

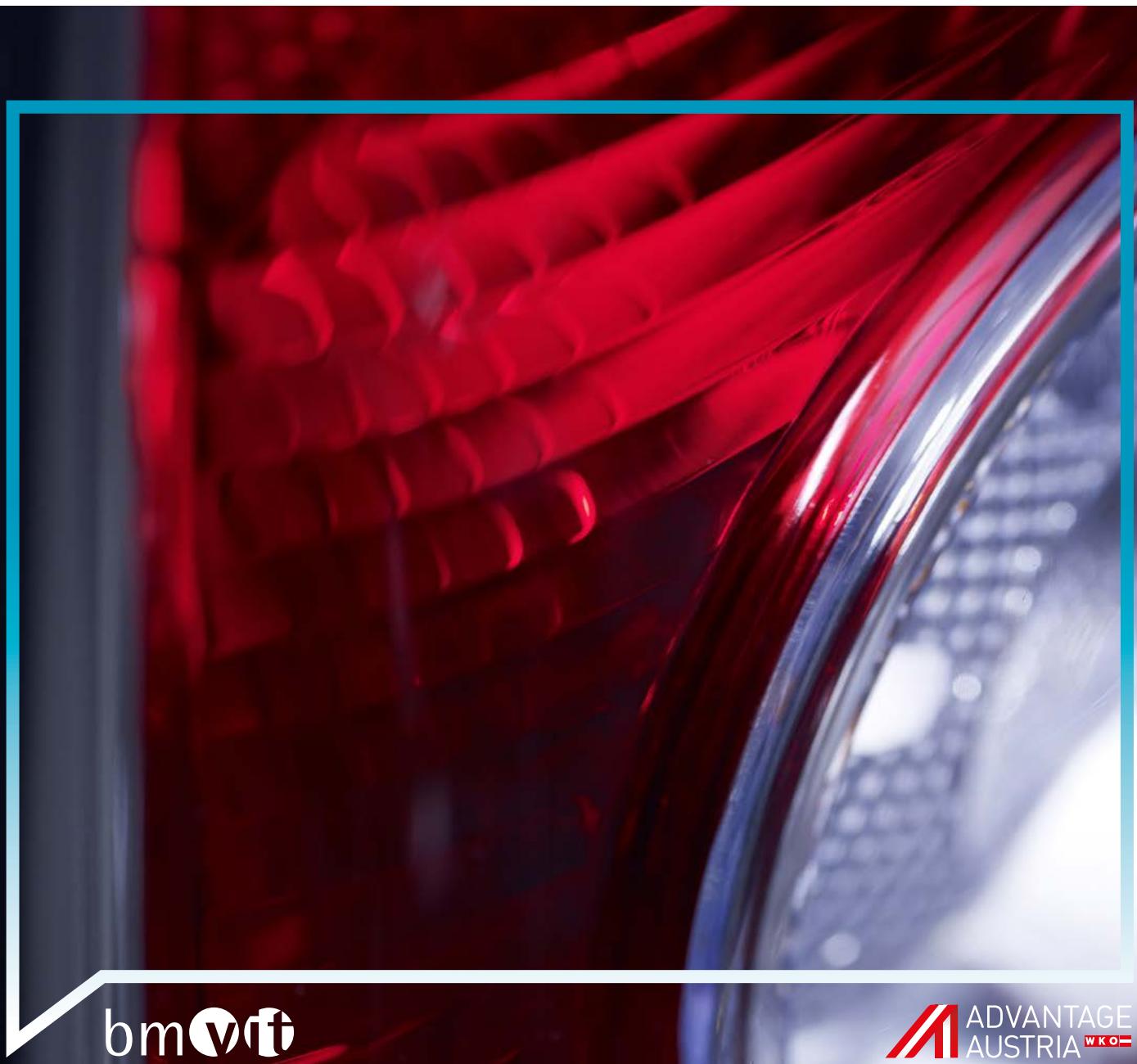
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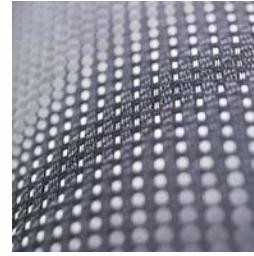
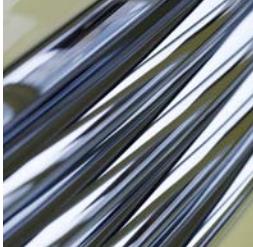


# FRESH VIEW

## on Automotive

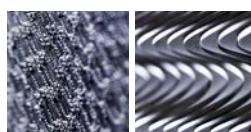
A joint Initiative with the Federal Ministry for Transport, Innovation and Technology





# SUR PRIS INGLY INGE NIOUS

[www.advantageaustria.org](http://www.advantageaustria.org)





# Automotive

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## THE AUSTRIAN AUTOMOTIVE INDUSTRY

### Companies from Austria are major players

What do a BMW engine and a VW emblem have in common? They both very probably come from Austria. Because all parts which are needed to build a car are produced in Austria. And also entire vehicles – from SUVs to fire engines. The international automotive branch is characterised by an intensive networking between the individual companies.

Austria, as a manufacturer and supplier of vehicles, vehicle parts and technologies, is an important player in the game.

### 奥地利的汽车行业

### 奥地利企业是行业的重要参与者

宝马发动机和大众标志有什么共同之处？两者极有可能都来自于奥地利。因为制造一辆汽车所需的所有部件都在奥地利生产下线，当然还包括从越野车到消防车的整车产品。各类企业所形成的紧密协作网络是国际汽车行业的一大特点。

奥地利作为车辆、车辆零部件和技术的制造商与供应商，是汽车行业的一位重要参与者。



## **Experts in an international network**

The Austrian automotive industry offers services to its international customers in many areas, whether it be body construction, electrics and electronics, engines or support services. The excellent reputation of the Austrian automotive industry is based on the high quality of the products which are manufactured by the more than 700 Austrian companies in the car and supplier industry.

The Trade Association for the Austrian Vehicle Industry provides current information about the companies and a product search engine on its website [www.fahrzeugindustrie.at](http://www.fahrzeugindustrie.at).

The Association of Metaltechnology Industries of the Automotive Supplier Industry also offers a comprehensive product data base: <http://www.metalltechnischeindustrie.at/en> In addition to the information provided in this brochure, you can find full details of the services offered by Austrian companies in the automotive industry on the pages of both organisations.

## **国际协作网络内的各类专家**

奥地利的汽车行业为许多领域的国际客户提供各个领域的产品和服务，包括车身制造、电气电子系统、发动机和支持服务。奥地利汽车行业的良好声誉建立在700多家国内机动车厂家和零部件供应商所生产的高品质产品之上。

奥地利汽车工业协会在其网站 [www.fahrzeugindustrie.at](http://www.fahrzeugindustrie.at) 上提供业内最新的企业信息和产品搜索引擎。

汽车零部件供应商工作组也在奥地利金属技术工业网站上提供了信息全面的产品数据库：<http://www.metalltechnischeindustrie.at/automotive-zulieferindustrie>。除了本手册所提供的信息外，您还可以登录上述两个协会组织的网站，进一步获取有关奥地利汽车企业可提供服务的详尽信息。

Furthermore automotive clusters have developed at two locations in Austria, where the facilitated cooperation between the companies provides a stimulus for innovations for new products and production processes. (AC Styria: [www.acstyria.com/en](http://www.acstyria.com/en), Automobil-Cluster Oberösterreich: <http://www.auto-mobil-cluster.at/en>).

In the field of research Austrian companies in the automotive industry are traditionally in close contact with the country's technical universities and other research institutions, which is why these important players in the branch are also presented fully in this publication. The results which have been and are being achieved, particularly in the development of engines and materials, are internationally top-rated.

The CEE automotive industry has been experiencing a considerable boom for years. Austria is located at the heart of the region and is optimally integrated in the supply chains. The Austrian automotive industry has the closest connections to Germany. Almost half of all Austrian exports flow into the neighbouring country to the north. In addition many German automotive groups have production locations in Austria or close ties to Austrian suppliers.

## Innovative Strength

In the past 25 years more than 8 billion euro have been invested in the development of the Austrian automotive industry. Almost 20,000 euro per workplace are spent here annually on research. New technologies and concepts can be quickly implemented through these initiatives. Quality, security and environmental awareness are in the foreground.

The Austrian automotive industry has leading worldwide expertise in engines and four-wheel drive and is specialized in engineering and prototype construction. The Austrian companies develop and produce complex elements, from four-wheel aggregates and combustion engines to cylinders or specific components. And already today Austrian companies are shaping the future of global mobility, for example through the supply of purely electrically powered heavy duty vehicles.

除此之外，奥地利在两个地方建立了汽车产业集群，通过集群企业之间更加便利的合作，大大促进了新产品和生产工艺的创新。

施泰尔马克州汽车产业集群：

[www.acstyria.com](http://www.acstyria.com),

上奥地利州汽车产业集群：

<http://www.auto-mobil-cluster.at>) 。

在研究领域，奥地利汽车行业内的企业保持着与国内各大技术大学和其他研究机构的密切联系，这是一项行业的传统，这也是我们将这些重要的行业参与者在本出版物上进行详细介绍的原因。科研领域所取得的和将要取得的成果均位列国际领先水平，特别是在发动机和材料的深度研发领域。

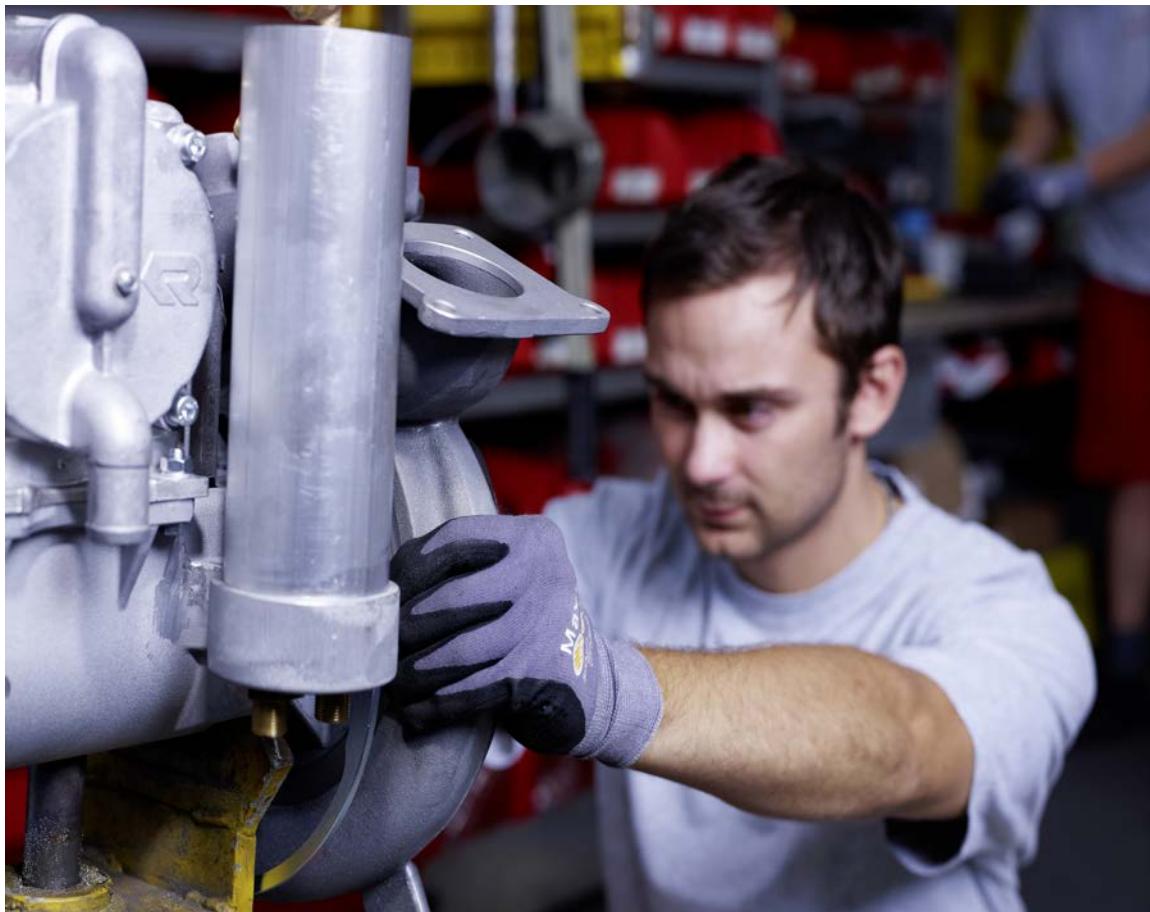
多年来，中东欧汽车工业一直经历着快速蓬勃的发展阶段。奥地利位于该地区的中心地带，以最佳的方式融入了供应链。奥地利汽车行业与德国的互联最为密切。几乎一半的奥地利出口产品都流向了北方邻国。另外，许多德国汽车集团有的在奥地利设立了生产基地，还有的与奥地利供应商保持紧密合作关系。

## 创新能力

在过去的25年里，奥地利汽车工业研发的投入超过80亿欧元。每个工作岗位每年花费近两万欧元用于研究。凭借这些举措和倡议，新技术和新方案得以快速实施。质量、安全和环保意识是重中之重。

奥地利汽车行业在发动机和全轮驱动方面拥有全球领先的专业知识，专长在于工程和样品制造。奥地利公司研发和生产复杂部件，从全轮驱动动力总成和内燃发动机到气缸或特定部件。如今的奥地利企业正致力于塑造全球移动出行的未来：例如纯电动重型卡车、电动消防车样车、电动摩托车和自行车，电动汽车的整车组装，以及零部件的研发和生产（面向未来的原型样车、电动汽车电池、面向未来的氢气罐。）

cles, the prototype of an electric fire engine, electrically powered motorbikes and bicycles, the assembly of a complete electro-car, as well as the development and production of parts and components (e.g. particularly future-oriented prototypes, batteries for electro-vehicles, future-oriented hydrogen tanks).



## Sustainable Mobility

The greatest changes in the automotive industry are to be expected above all in the areas of energy and the environment. As a result of increasing global environmental regulations and high costs for environmental resources, Austrian automotive manufacturers are turning to emission-optimised and energy-efficient products. Technically this is achieved through e.g. the further development of conventional combustion engines, the development of new drive systems, lighter vehicle construction or the development of assistance systems.

## 可持续的交通出行

汽车行业将在能源和环境方面迎来最为巨大的变化。鉴于全球范围环境法规的日益严格，环境资源成本高昂，奥地利汽车制造商正在转向排放优化和节能的产品，为此，可以通过传统内燃发动机的深度研发、新驱动系统的研发、车辆结构的轻量化和高效辅助系统的研发等技术措施达到既定目标。

Clean mobility is just one of the core areas of development which provides the Austrian automotive industry with incentives in the field of eco-powertrains, eco-materials and eco-design and smart production, and promotes the development of resource-saving solutions for all aspects of sustainability. The technology-neutral development is the prime objective here, not just purely electric vehicles with a longer range and plug-in hybrid vehicles.

Austria is one of Europe's top performers in resource-efficient and energy-saving lightweight construction, particularly thanks to its expertise in the use of different materials.

No matter whether steel, light metals, plastic, wood or composites: Austrian products are future-proof. In addition to the technical universities and colleges, which deliver a peak performance for the automotive industry, more than 50 non-university research bodies and institutes in Austria cooperate with companies.

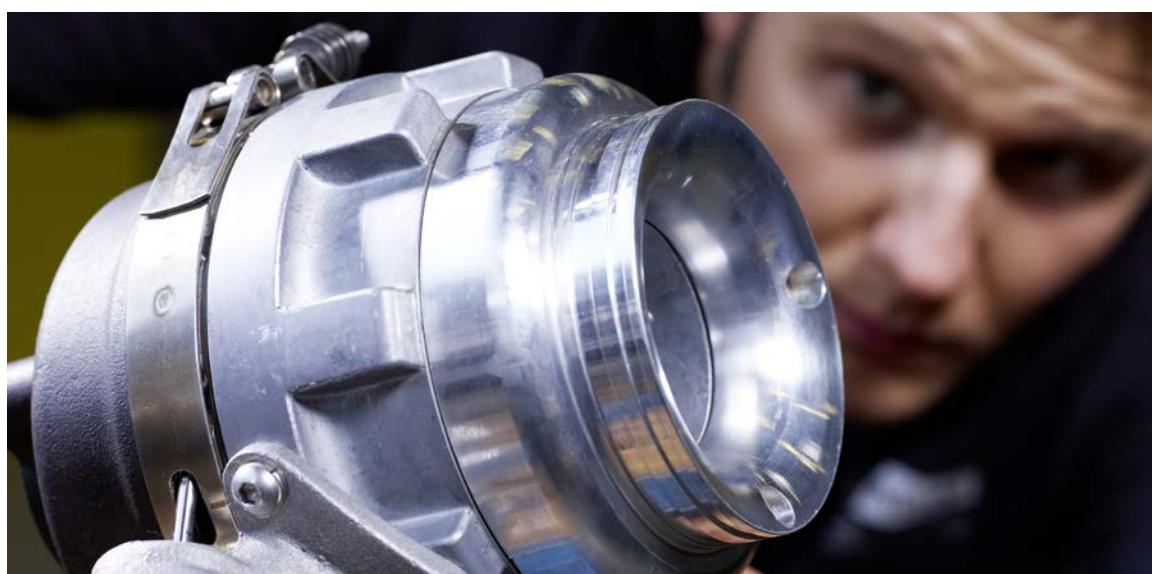
And when it comes to autonomous driving, users throughout the world profit from the Austrian high-tech. The domestic companies benefit from the perfect infrastructure and can not only use public test tracks but also take advantage of exemption regulations for vehicles, as well as enjoy financial support for research and investments.

清洁出行是发展的核心领域之一。它激励着奥地利汽车行业积极致力于生态动力系统、生态材料、生态设计和智能制造的发展，有助于促进可持续性理念下的各类资源节约型解决方案的研发。技术中立的进一步发展是首要目标。行业关注的不仅仅是具有更长续航里程的纯电动汽车和插电式混合动力汽车。

奥地利是欧洲在资源节约型和节能轻量化结构方面实力最雄厚的国家之一，这尤其要归功于在不同材料使用方面的专有知识。

无论是钢材、轻金属、塑料、木材还是复合材料—奥地利的产品无一例外都是面向未来而生。除了为汽车行业提供最佳绩效的技术大学和应用技术大学之外，奥地利还拥有50多所高校以外的研究机构和科研院所，都是企业的合作伙伴。

在自动驾驶领域，全世界各地的用户都可从奥地利的高科技中获益。国内企业受益于完善的基础设施，不仅可以使用公共测试路段，还能够享受车辆豁免条例规定，更有机会获得研究和投资的资金支持。

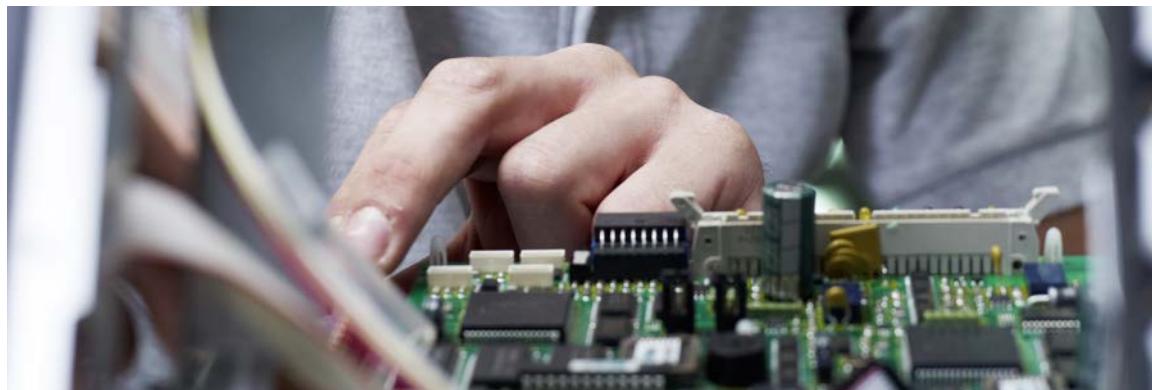


On the following pages receive an impression of the high quality offered by Austrian automotive companies and take advantage too of the quality and know-how in Austria.

Visit our international portal [www.advantageaustria.org](http://www.advantageaustria.org) and learn more about many other Austrian companies, their presence on the international market and Austria as a business location. As experts in internationalisation, we will be glad to support you in your search for suitable partners in Austria.

在以下的手册信息中，您可以了解到奥地利汽车企业所提供的高品质的产品与服务，也请您充分利用奥地利的高质量和专有知识优势，助力自身的发展。

欢迎您访问我们的国际门户网站[www.advantageaustria.org](http://www.advantageaustria.org)，了解更多其他奥地利公司的情况、这些企业海外代表处的联系方式，以及奥地利作为商业投资目的地的区位优势。作为国际化事务的专家，我们很乐意帮助您寻找合适的奥地利合作伙伴。



## LINKS TO FURTHER INFORMATION

ADVANTAGE AUSTRIA,  
THE Austrian economic portal abroad  
[www.advantageaustria.org](http://www.advantageaustria.org)

Association of Metalltechnology Industries  
[www.metalltechnischeindustrie.at/en](http://www.metalltechnischeindustrie.at/en)

Association of the Automotive Industry  
[www.fahrzeugindustrie.at](http://www.fahrzeugindustrie.at)

Austrian Ministry for Transport, Innovation and Technology  
[www.bmvit.gv.at/en](http://www.bmvit.gv.at/en)

Automotive Cluster (AC) of the Business Upper Austria  
[www.automobil-cluster.at/en](http://www.automobil-cluster.at/en)

Styrian Automotive Cluster ACstyria  
[www.acstyria.com/en](http://www.acstyria.com/en)

## 行业信息相关链接

ADVANTAGE AUSTRIA,  
奥地利经济海外门户网站  
[www.advantageaustria.org](http://www.advantageaustria.org)

奥地利汽车零部件供应商工作组  
[www.metalltechnischeindustrie.at/automotive-zulieferindustrie](http://www.metalltechnischeindustrie.at/automotive-zulieferindustrie)

奥地利汽车工业协会  
[www.fahrzeugindustrie.at](http://www.fahrzeugindustrie.at)

奥地利联邦交通、创新和技术部  
[www.bmvit.gv.at/en](http://www.bmvit.gv.at/en)

上奥地利州汽车产业集群  
[www.automobil-cluster.at](http://www.automobil-cluster.at)

施泰尔马克州汽车产业集群  
[www.acstyria.com](http://www.acstyria.com)



## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility

ENGINEERING

# A&C Automationssysteme & Consulting GmbH

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Austria | Österreich

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W www.AuC.systems



A&C Automationssysteme & Consulting GmbH is a technical office which is active in the international field of industrial system automation.

The core competencies lie in process control systems (DCS, MCS and QCS), as well as in local machine-level control systems.

With more than 35 years of project experience in various areas of industrial automation, the company has built up know-how in the most common automation systems in diverse industrial sectors. Furthermore it has a large network of various system providers, machine and plant engineers.

A&C customers benefit from the company's experience and contacts.

A&C自动化系统和咨询有限责任公司作为一家技术型企业，活跃于工业系统自动化的国际领域。

企业的核心竞争力在于过程控制系统 (DCS、MCS和QCS) 及本地机器近距离控制系统。

公司在工业自动化的各个领域有着超过35年的项目经验，并在各种工业领域最常见的自动化系统方面积累了大量的专有知识。此外，A&C公司也拥有着覆盖各类系统供应商、机械和设备制造商的庞大协作网络。

广大客户可得益于A & C公司的行业经验和合作资源。



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Machinery and systems for the automotive industry | Engineering | Autonomous driving | **E-Mobility**



# AB Mikroelektronik GmbH

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E info@ab-mikro.at  
W www.abelektronik.com



AN AVX GROUP COMPANY

AB Mikroelektronik is a competent service company, developing and manufacturing top-quality customer-specific electronic modules and subsystems. Special requirements are met, from the original idea to mass production with a primary focus on circuit design.

AB Mikroelektronik's core competence is the implementation of high power densities with minimal space requirements under extreme conditions (high temperatures, temperature changes, vibrations). Technology, function and process development are the basis for industrial products such as:

- various LED modules for vehicle front lighting
- ECU (electronic control units) for electric water pumps
- ECU for electric air compressors
- Control units for all-electric scooters and motorcycles

AB微电子有限公司是一家出色的服务型企业，致力于研发和制造高质量的客户专用电子模块和组件。AB微电子公司可以满足从最初设想到底量的各种特殊要求。企业重点聚焦电路设计。

AB微电子有限公司的产品可在极端条件（高温、温度变化、振动）和最小空间要求下实现高功率密度，这正是企业的核心竞争力。技术、功能和工艺研发是工业化产品的基础。企业产品包括：

- 用于车辆前照灯的各种LED模块
- 电动水泵的ECU（电子控制单元）
- 电动空气压缩机的ECU
- 全电动滑板车和摩托车的控制单元





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**AICHELIN**  
Group

AICHELIN Holding - with its production companies AICHELIN, AFC-Holcroft, EMA Indutec, SAFED, BOSIO, and NOXMAT - is a leading provider of high quality plants and systems for heat treatment solutions - especially for the automotive industry - such as industrial furnaces, induction hardening plants, industrial gas burners as well as related services. Their headquarters are located in Mödling near Vienna.

The company's roots date back to 1868. With a turnover of around 200 million euros and more than 1,000 employees, it is among the world's top three companies in heat treatment plants. AICHELIN Group is owned by Berndorf AG.

AICHELIN控股有限公司是一家提供各类高品质工厂设备和系统的热处理解决方案领先供应商，旗下的生产企业包括AICHELIN、AFC-Holcroft、EMA Indutec、SAFED、BOSIO和NOXMAT。业务重点针对汽车行业，为行业提供工业炉、感应淬火设备、工业燃气燃烧器及相关服务。集团总部位于维也纳附近的默德林。

企业的历史可追溯到1868年，目前营业额约2亿欧元，员工人数超过1000人，是世界上三大热处理设备供应企业之一。AICHELIN集团的所有者是Berndorf股份公司。



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# AIT Austrian Institute of Technology

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The AIT Austrian Institute of Technology has extensive know-how in the field of Intelligent Vision Systems with a focus on camera-based sensor technology for assistive and autonomous systems to support the driver as well as to increase safety and efficiency.

Application areas are various industrial domains, construction and agriculture as well as the transport and railway sector with mobile working machines and rail-bound vehicles. Innovative AIT assistance systems increase safety in manned and unmanned aeronautics.

AIT expertise in the fields of electric drives, traffic simulation, human machine interface and safety enables the development and evaluation of innovative, safe, efficient and environment-friendly mobility solutions.

AIT奥地利国家技术研究院在智能视觉系统领域拥有广泛的专有知识，专注于基于摄像头的传感器技术，这项技术适用于辅助和自动系统，为驾驶员提供驾驶辅助，亦可提高安全性和效率。

该技术可应用于工业领域、建筑业和农业，以及与移动作业机械和轨道车辆相关的运输和铁路行业。除此之外，创新的AIT辅助系统提升了载人和无人航空飞行的安全性。

AIT在电驱动、交通仿真模拟、人机界面和安全领域的专有知识有助于对创新、安全、高效和环保的移动解决方案进行研发和评估。

3D driver assistance system for rail vehicles



Optical assistance for  
autonomous flying systems





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PRODUCTS  
ENGINEERING

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W www.albatools.com



Alba tooling & engineering GmbH is an internationally active group of companies with approximately 450 employees. The company is headquartered in Salzburg, Austria.

Alba develops and manufactures highly complex tools, machines and equipment for the automobile supply industry and, as a reliable systems partner, provides individual services on site.

Alba tooling & engineering GmbH is the global tool, plant construction and service partner for OEMs and tier 1 suppliers, as well as special applications in the field of PUR (polyurethane).

Alba 模具及工程有限公司是一家拥有450名员工的国际性集团公司。公司总部设在奥地利的萨尔茨堡。

Alba公司为汽车零部件供应行业研发和制造高度复杂的模具、机器和设备。同时，作为可靠的系统合作伙伴，公司也提供现场的个性化服务。

Alba 模具及工程有限公司是原始设备制造商和一级供应商在工具制造、设备制造和服务领域以及PUR（聚氨酯）领域特殊应用的全球合作伙伴。



## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility



# ALU TP GmbH

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W www.alu-tp.com



ALU TP GmbH specialises in automation technology profiles for the engineering industry. More than 170 automation technology profiles with a wide variety of cross-sections and various groove widths cover a wide range of applications in the automation field.

The ALU TP automation profiles are modular, easy to machine and can be mounted quickly. The use of ALU TP automation profiles means that any constructions can be set up cleanly and quickly without the need for any further surface treatment.

Constructions built with ALU TP automation profiles can be easily extended or converted at any time.

ALU TP有限公司专注于机械制造的自动化型材，可提供超过170种不同横截面和不同槽宽的自动化型材产品，满足自动化领域的广泛应用。

ALU TP 自动化型材为模块化设计，易于加工处理和快速安装。使用ALU TP自动化型材后，客户可干净快速地构建出任何结构，而且不需要做进一步的表面处理。

使用ALU TP自动化型材建造起来的结构可随时进行轻松延展和改装。





## Automotive

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## PRODUCTS

## AMAG

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W www.amag.at

**AMAG**  
AUSTRIA METALL

AMAG produces and develops aluminium sheets and recycling cast alloys for highest demands in the automotive and transport industry.

Whether sheets with excellent forming properties for structural applications and exterior shells, brazing sheets for coolers and heat exchangers or bright sheets for decorative automotive parts – AMAG products are crucial when it comes to lightweight construction of automobiles.

The recycling cast alloys of AMAG are delivered to the customer in the form of liquid aluminium and ingots and are used not only in motors, but also in bodies and chassis.

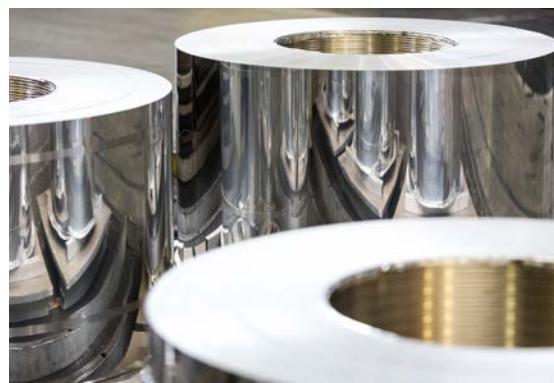
New: With the new hot and cold rolling mill, from now on AMAG meets the high demand for larger products up to 2,200 mm wide.

AMAG奥地利金属股份公司生产与研发铝板和可循环利用铸造合金，以满足汽车与交通运输行业的最高要求。

无论是拥有优良成型性能、用于结构应用和外壳的板材，还是用于冷却器和热交换器的钎焊板，或者是用于汽车装饰件的亮面板材，AMAG公司的产品都对汽车轻量化结构起到了至关重要的作用。

AMAG公司的可循环利用铸造合金一般是以液态铝和铝锭的形式提供给客户，不仅适用于发动机，也可用于车身和底盘。

最新发展：从现在开始，AMAG公司利用新的热轧和冷轧技术，可满足宽达2200毫米产品的大量市场需求。



## Automotive

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# ANGER MACHINING GmbH

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PRODUCTS  
ENGINEERING

**ANGER**  
MACHINING

The Austrian company ANGER MACHINING headquartered in Traun has been developing systems for the machining of serial parts, structural parts, and turn-key solutions in the automotive industry since 1982.

ANGER systems are perfectly suited for solving production challenges from demand of scalable productivity, lower life cycle cost, demand of flexibility, to requirement of precision and volume.

Leading automotive companies such as Chrysler, Daimler, VW, ZF, Magna and many more rely on ANGER technology.

安格尔机械制造有限公司是一家总部位于特劳恩的奥地利企业，自1982年以来一直深耕汽车行业，专注研发用于加工批量件和结构件的高品质和可直接交付使用的机械解决方案。

安格尔系统非常适合解决生产制造所面临的各类挑战，涉及可扩展生产力、低生命周期成本、灵活性要求、精度要求和产量要求。

汽车行业许多有影响力的领先企业如：克莱斯勒、戴姆勒、大众、采埃孚和麦格纳等等都是安格尔公司的常年客户。





## Automotive

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PRODUCTS  
ENGINEERING

# ANTEMO Anlagen & Teilefertigung GmbH

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The company ANTEMO is specialized in prototyping and small serial production in 5-axis cnc milling & turning and also in the 3D printing of high temperature polymers in a FFF process.

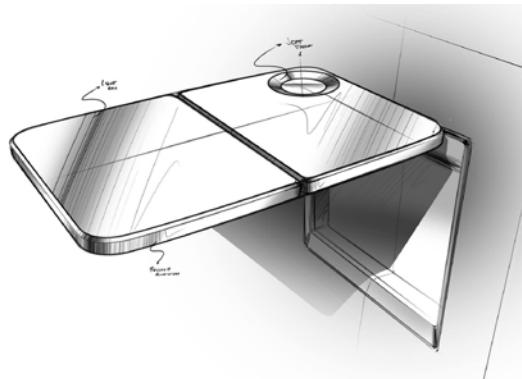
The company's five business sectors include aviation & aerospace, semiconductor industries, medical devices, mechanical engineering and construction and the development of components/moulds for injection moulding and RTM technology.

This means that the company is in a position to offer its customers a full service range from a single source, from the initial development process to the final assembly, which means that they can guarantee the highest level of flexibility, quality and delivery performance.

ANTEMO设备及零部件制造有限公司专注于打造五轴数控机床铣削和车削样机与小批量生产，以及FFF工艺中耐高温聚合物的3D打印。

公司的五大业务领域包括航空航天、半导体工业、医疗设备、机械设备制造，以及研发用于注塑成型和RTM技术的辅具、部件和模具。

公司可为其客户提供来自单一供应商的、从最初研发到最终组装的全套服务，同时可保证最高水平的灵活性、质量和交付能力。



## Automotive

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PRODUCTS

# Arctic Cat GmbH

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Arctic Cat was founded in 1962 and is one of the largest manufacturers of All Terrain Vehicles (ATVs), Side by Sides (SbS) and snowmobiles. The vehicles are well known for their versatile usage as well as their high quality.

The vehicles are registered according to EU road regulations and can be used as on- or off-road machines. Snow removal services, rescue organizations and also the military rely on ARCTIC CAT ATVs and SbSs.

ARCTIC CAT was taken over by TEXTRON INC in March 2017. All dirt vehicles (ATVs & SbSs) will be offered in future under the new umbrella brand TEXTRON OFFROAD.

成立于1962年的北极猫有限公司是把式全地形车 (ATVs)、排座式全地形车 (SbS) 和雪地车的最大制造商之一。这些车辆以其多用途和高质量而闻名。

把式全地形车 (ATVs) 和排座式全地形车 (SbS) 均拥有欧盟道路许可，既可行驶于普通道路也可以越野。铲雪服务机构、救援组织和军队对北极猫公司越野性能强劲的全地形车产品给予高度信赖。

2017年3月，北极猫被德事隆公司收购。此后所有的越野车 (ATVs 和 SbSs) 都将使用德事隆公司TEXTRON OFFROAD品牌商标。





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

# AT & S, Austria Technologie & Systemtechnik AG

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AT & S Austria Technologie & Systemtechnik AG - First choice for advanced applications

AT&S is the European market leader and one of the globally leading manufacturers of high-value printed circuit boards and IC substrates. AT&S industrialises leading-edge technologies for its core business segments Mobile Devices & Substrates, Automotive, Industrial, Medical and Advanced Packaging.

AT&S has a global presence, with production facilities in Austria (Leoben and Fehring) and plants in India (Nanjangud), China (Shanghai, Chongqing) and Korea (Ansan, near Seoul). The company employed an average of 9,526 people in the financial year 2016/17.

For more information: [www.ats.net](http://www.ats.net)

AT & S 奥地利科技及系统技术股份公司—先进应用的首选

AT&S公司是高端印制电路板和IC基板欧洲市场领头羊及全球范围领先的制造商。集团致力于生产具有前瞻性技术的产品，并将核心业务定位于以下领域：移动设备和基板、汽车、工业、医疗和先进封装领域。

AT&S公司在全球范围内开展业务，分别在奥地利（莱奥本、费灵）、印度（南加古德）、中国（上海、重庆）和韩国（安山，首尔附近）拥有生产基地。2016至2017财年间，集团年平均员工数为9526人。

更多信息请浏览：[www.ats.net](http://www.ats.net)



## Automotive

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PRODUCTS  
ENGINEERING

# Austria Druckguss GmbH & Co KG

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As a member of Zhongding Group ADG benefits synergistically from being part of a multinational corporation which operates in most branches of the automotive industry.

ADGs core competence is the production of high complex aluminium diecasting components at Gleisdorf. Being centrally located in the heart of Styria and its autocluster, ADGs customers benefit from the local infrastructure.

The continuous development since 1978 represents ADG as a highly competitive and competent partner in the automotive industry.

As a dedicated company ADG is aware of its social and environmental responsibilities and its role as a reliable employer. ISO 9001, IATF 16949, ISO 14001 and EN/ISO 45001 certified.

奥地利压铸有限公司（ADG）是中鼎集团的成员企业，该集团是汽车行业的一家涉猎广泛的跨国企业。ADG公司作为集团的一员，享受着协同效益所带来的诸多裨益。

公司的核心竞争力在于格莱斯多夫生产制造的高复合铝压铸件。生产基地位于施泰尔马克州汽车产业集群内，企业客户从当地的基础设施中收益颇多。

ADG公司从1978年开始不断发展壮大，如今已成为汽车行业中极具竞争力和坐拥雄厚实力的合作伙伴。

ADG公司是一家富有责任感的企业，是一位值得信赖的雇主，也很清楚企业在社会与生态环境方面所担负的责任。企业通过了以下质量管理体系认证：ISO 9001、IATF 16949、ISO 14001和EN/ISO 45001。





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

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AVL is the world's largest independent company for development, simulation and testing technology of powertrains (hybrid, combustion engines, transmission, electric drive, batteries and software) for passenger cars, trucks and large engines.

- **Development of Powertrain Systems:**  
AVL develops and improves all kinds of powertrain systems and is a competent partner to the engine and automotive industry.
- **Engine Instrumentation and Test Systems:**  
The products of this business area comprise all the instruments and systems required for engine and vehicle testing.
- **Advanced Simulation Technologies:**  
The developed simulation software is focusing on design and optimisation of powertrain systems and covers all phases of the development process.

李斯特内燃机及测试设备有限公司（AVL）是全球范围从事乘用车、卡车和大型发动机驱动系统（混合动力、内燃机、变速箱、电驱装置、电池和软件）研发、仿真和测试技术规模最大的独立企业。

- **驱动系统的研发：**  
AVL公司进行各类驱动系统的研发和改进，是发动机行业和汽车工业得力的合作伙伴。
- **发动机测量仪表和测试系统：**  
这个业务领域的產品包括发动机和车辆测试所需的各类仪器和系統。
- **先进的仿真技术：**  
企业所开发的模拟仿真软件主要专注动力传动系统的设计和优化，涵盖了开发过程的所有阶段。



## **Automotive**

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# B&R Industrial Automation GmbH

PRODUCTS

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**PERFECTION IN AUTOMATION**  
A MEMBER OF THE ABB GROUP



B&R is a leading company in the field of industrial automation. Headquartered in Austria with more than 180 offices B&R is represented all over the world.

As an innovation leader, B&R offers a scalable automation platform with advanced technologies in order to increase productivity in modern manufacturing and production. B&R provides perfect solutions for process automation, drive and control technology, visualization and integrated safety technology for its customers.

With its innovative automation solutions, B&R sets new standards in automotive production that helps to gain efficiency and maximise plant availability.

贝加莱（B&R）工业自动化有限公司是一家自动化技术领域的全球领导厂商。总部设在奥地利的贝加莱公司在全世界拥有超过180家分支机构。

作为创新领导者，贝加莱公司提供具有先进技术的可扩展自动化平台，以提高现代制造和生产的生产率。贝加莱公司为其客户提供过程自动化、驱动和控制技术、可视化和集成安全技术领域的完美解决方案。

凭借其创新的自动化解决方案，贝加莱公司设立了汽车生产行业的新标准，有助于提高效率和实现设备利用率的最大化。





## Automotive

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### PRODUCTS

## Banner GmbH

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Banner produces and sells over 4.5 million starter batteries annually. The family-owned firm employs a workforce of around 800 across Europe.

Banner products are sold in more than 60 European, African and Asian states via direct importers. Future-oriented technology and outstanding quality underline the international reputation of these exemplary products with "buffalo power", which are also characterised by the Banner logo.

Banner batteries are used for the first fitting of numerous models from Audi, BMW, Caterpillar, Jungheinrich, Kässbohrer, Liebherr, Mercedes, Mitsubishi, Porsche, SEAT, Volvo and VW.

班纳蓄电池有限公司每年生产和销售超过450万个起动用电池。这个家族企业在欧洲范围内拥有大约800名员工。

班纳公司的产品通过直接进口商在欧洲、非洲和亚洲的60多个国家进行销售。面向未来的技术和卓越的品质是这些具有“水牛力量”一如班纳企业标识的象征含义一的卓越产品在国际上赢得良好声誉的基础。

班纳公司的蓄电池产品用于诸多车型的原始装配，这些车型来自众多知名品牌，例如：奥迪、宝马、卡特彼勒、永恒力、凯斯鲍尔、利勃海尔、梅赛德斯、三菱、保时捷、西亚特、沃尔沃和大众等等。

Banner starter batteries



The most modern battery plant in Europe



## **Automotive**

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# BECOM BLUETECHNIX GmbH

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BECOM BLUETECHNIX enables machines to perceive their environment like never before.

As an expert in 3D Time of Flight (ToF) depth sensor systems BLUETECHNIX offers a unique modular sensor platform specifically targeted at automotive applications:

- In-Cabin Monitoring
- Body-Tracking
- Gesture Control
- Obstacle Detection

The BECOM Group covers the whole development process for optical systems from design to certification to mass production according to automotive quality standards.

The accredited in-house EMC laboratory in Vienna offers various Electromagnetic Compatibility (EMC) services including development support for automotive customers.

BECOM BLUETECHNIX 有限责任公司让机器能以前所未有的方式来感知环境。

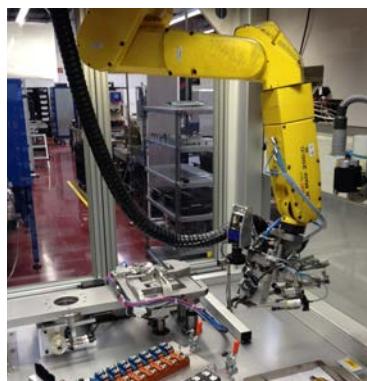
作为飞行时间法 (ToF) 3D成像深度传感器系统的专家，BLUETECHNIX公司提供了一个独特的模块化传感器平台，专门针对汽车领域的应用：

- 车内监控
- 人体跟踪
- 手势控制
- 障碍物探测

BECOM集团按照汽车质量标准提供快速和具有成本效益的解决方案，从设计到认证，再到批量生产，业务涵盖了光学系统的整个开发过程。

公司自有位于维也纳的电磁兼容性 (EMV) 实验室经过认证，可提供各种电磁兼容性服务，包括为客户在汽车标准测量方面提供研发支持。

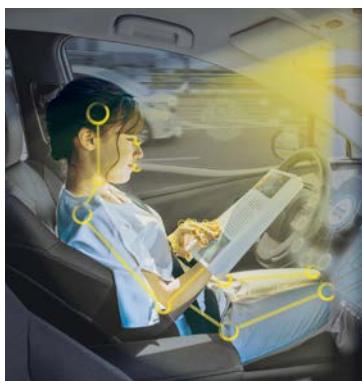
Automotive qualified production



EMC / ESD accredited laboratory



Multi-ToF platform for in-cabin applications



RESEARCH  
 PRODUCTS  
 ENGINEERING



## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

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Berndorf Band Group has a global reputation as a leading full-service provider for steel belt supported processes. The Austria-based company is an international manufacturer of steel belts, belt systems and supporting components.

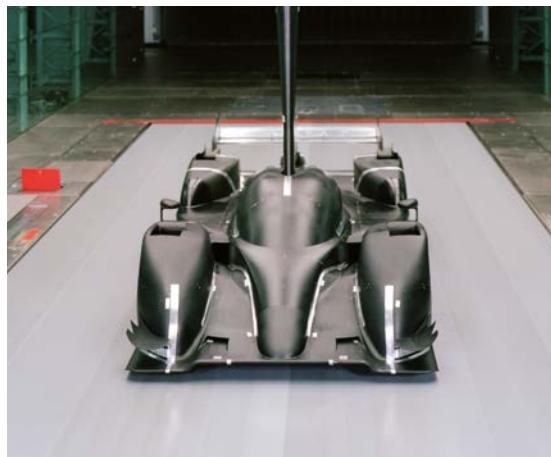
For automotive testing applications it takes belts of the highest quality to live up to the exacting standards. The experts from Berndorf Band Group have come up with special belts for the task.

They are made principally from the high-end material NICRO 52.6, which is characterised by its exceptional strength and durability.

百德福钢带有限公司是钢带支撑工艺领域的全方位服务提供商，产品享誉全球。这家总部位于奥地利的企业是各个行业钢带、皮带系统和配套部件的制造和销售商。

汽车测试应用需要最高质量的钢带才能符合严格的标准。来自百德福钢带有限公司的专家为此研发了具有特殊性能的测试用钢带，主要由高端材料NICRO 52.6制成。

这种材料具有出色的强度和耐久性，完全符合汽车测试设备要求的条件。



## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility



# BMW Group Werk Steyr

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The Steyr plant is an essential component in the BMW Group's global production network.

As the Group's largest engine plant, it builds three-, four- and six-cylinder diesel and petrol engines, which are fitted in BMW and MINI cars at the company's vehicle plants around the world. BMW Group Plant Steyr is also responsible for development of all BMW and MINI diesel engines. The expertise for company-wide production of engine components is also concentrated at this location.

With an engine rolling off the assembly line on average every 14 seconds, the plant produces several hundred different engine variants and achieves an output of more than 6,000 engines per workday at peak times.

宝马集团斯太尔工厂是宝马集团全球生产网络的重要组成部分。

斯太尔工厂是宝马集团最大的发动机工厂，生产三缸、四缸和六缸柴油和汽油发动机。这些发动机安装在世界各地汽车厂的宝马和MINI品牌汽车上。斯太尔工厂还负责宝马和MINI品牌所有柴油发动机型号的研发，并且汇聚了集团内发动机部件生产的专有知识和技术能力。

在这里，平均每14秒就有一台发动机从装配线上下线。该工厂生产着数百种不同的发动机型号，高峰时间每个工作日生产超过6000台发动机。





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

## BOXMARK Leather GmbH & Co. KG

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**BOXMARK®**  
Best in Leather Interior

BOXMARK is one of the world's leading leather manufacturers and processors headquartered in Austria, with production locations in Europe, America and Asia.

The products range from area-measured leather, to interior components and finished interiors and exteriors. In particular BOXMARK supplies the premium segment of the automotive, furniture, railway, ship and aircraft industry. The company focuses predominantly on international trade. 99% of the products are exported.

As an international supplier of complete solutions, with its research and development centres BOXMARK also plays a crucial role in the industry when it comes to developing and producing automotive interiors.

BOXMARK皮革有限公司是全球范围领先的皮革制造商和加工商之一，总部位于奥地利。公司在欧洲、美洲和亚洲均设有生产基地。

企业的产品包括经尺寸测量的皮革、内饰部件以及内饰和外饰成品。特别值得一提的是，BOXMARK公司是汽车、家具、铁路、船舶和飞机产业高端市场的供应商。该公司主要专注于国际贸易业务，99%的产品用于出口。

作为完整解决方案的国际供应商，BOXMARK公司的研发中心也在汽车内饰的研发和生产方面发挥着至关重要的作用。



## Automotive

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# BRP-Rotax GmbH & Co KG

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BRP-Rotax GmbH & Co. KG, a subsidiary of BRP Inc., is located in Gunskirchen, Upper Austria, where it develops and manufactures premium-class drive systems for power sports vehicles.

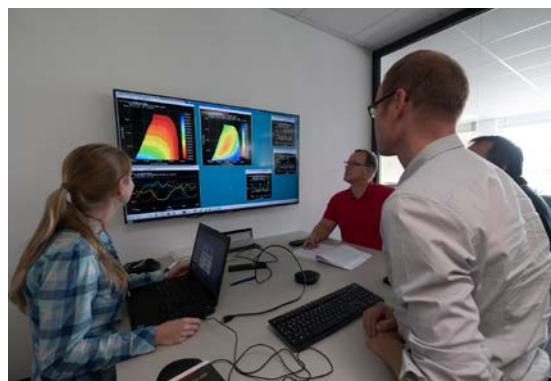
The high-tech premium engines are at the heart of legendary products such as Ski-Doo and Lynx snowmobiles, Sea-Doo jet boats, Can-Am off-road and side-by-side vehicles, Can-Am Spyder, as well as motorcycles, karts, light and ultralight aircraft.

The focus lies on the development of environmental friendlier technologies with higher energy efficiency and less emissions for a dynamic performance and a unique driving experience.

BRP-Rotax有限公司是BRP有限公司的子公司，位于上奥地利州的贡斯基兴，在当地研发和制造用于超级跑车的高端驱动系统。

尖端技术发动机是公司旗下一系列传奇产品的心脏，包括：Ski-Doo和Lynx雪地摩托车、Sea-Doo喷射艇、Can-Am越野车和全地形车组、Can-Am Spyder三轮超跑，以及摩托车、卡丁车、轻型和超轻型飞机。

企业重点聚焦环境友好型技术的开发，致力于更高的能源效率和更少的排放，从而实现理想的动态性能，提供独特的驾驶体验。





## Automotive

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## PRODUCTS

# Bulmor industries GmbH

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irion LANCER JUMBO

**bulmor**  
*strong sideloader solutions*

Bulmor industries operates internationally as a premium manufacturer in the sideloader sector, a niche field in intralogistics.

The company and its 150 employees produce industrial 3-20 tonne sideloaders and 2-12 tonne multidirectional sideloaders for handling long and heavy goods, as well as ambulift vehicles for airports to allow safe boarding for passengers with restricted mobility.

Bulmor lifting vehicles are real powerhouses, designed and produced in Austria to customer specifications and individual operational requirements. The machines are renowned for their high durability and cost-effectiveness, as well as the high quality standards set by their manufacturer.

Bulmor工业有限公司是侧面叉车行业的优质制造商，企业在全球范围内开展业务，所从事的行业是企业内部物流领域的一个利基市场。

公司拥有150名员工，为工业企业生产用于处理长货和重型货物3-20吨侧面叉车和2-12吨多向侧面叉车，以及用于机场的可升降登机车，可协助行动不便的乘客安全登机。

摇臂式起重车是真正的动力王，能够根据客户规格和使用要求在奥地利完成设计和生产。这些机器具有高耐用性和出色的成本效益，可满足制造商所设定的高质量标准，也因此闻名遐迩。

Sideloader for safe handling of long and heavy goods



Multidirectional sideloader - ideal for small spaces



Ambulift for passengers with reduced mobility



## Automotive

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# Carbon-Solutions Hintsteiner GmbH

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Carbon-Solutions Hintsteiner is Austria's leading competence centre for carbon-fibre technology in prototyping and small-batch production. As part of the Hintsteiner Group the company has more than 35 years of specialised experience in the area of fibre-reinforced composites.

Carbon-Solutions is a leading expert in the development and production of customized and high-effective solutions. The production capabilities are fully tailored to the individual requirements of each customer.

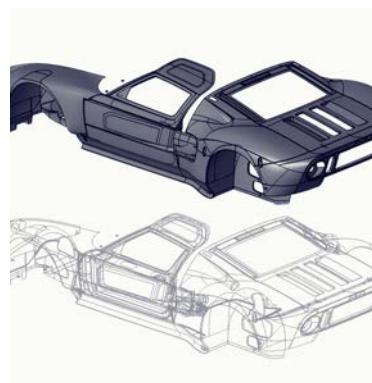
Technologies: autoclaves - low-pressure - infusion - L-RTM – wet lamination Areas of expertise: automotive, medical, motorsport, defence, aviation

Hintsteiner碳解决方案有限公司是样品制造和小批量生产方面奥地利领先的碳纤维技术能力中心。Hintsteiner集团旗下的这家公司在纤维增强复合材料领域拥有超过35年的专业经验。

碳解决方案公司是研发及生产客户定制和具有成本效益解决方案的领先专家。生产能力完全根据每位客户的个性化需求来量身定制。

核心技术：高压灭菌 - 低压 - 灌注 - L-RTM - 湿式层压

行业领域：汽车、医疗技术、赛车、防务装备、航空





## Automotive

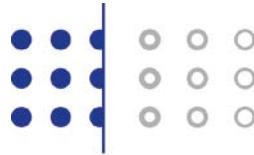
Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
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PRODUCTS  
ENGINEERING

## Carcoustics Austria Ges.m.b.H.

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carcoustics

Carcoustics develops and manufactures solution-oriented, acoustically and thermally effective components for the automotive industry and other industrial sectors. The precise knowledge of various technologies and materials enables the development of individual tailor-made solutions.

Two development sites of the international company are located in Austria: the Tech-Center Thermoforming in Klaus and the TechCenter Aluforming in Rankweil.

In the individual technology centres, new products and manufacturing technologies are industrialised and perfected before they are transferred to the Carcoustics production sites in Europe, USA, Mexico and China such as the production plant in Klaus, Austria.

卡酷思公司为汽车行业和其它工业领域提供解决方案，研发和制造各类声学和热效组件。凭借对各种技术和材料的精确了解，公司具有能力开发出个性化的定制解决方案。

这家国际公司的两个研发基地均位于奥地利：位于克劳斯的热成型技术中心和位于兰克韦尔的铝成型技术中心。

新产品和制造技术在各个技术中心经过工业化和完善，之后转移到欧洲、美国、墨西哥和中国的卡酷思生产基地，其中包括位于奥地利克劳斯的生产工厂。

Innovational product development  
at Carcoustics



Carcoustics component:  
outer tunnel insulation



**Automotive**

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RESEARCH

# CEST Kompetenzzentrum für elektrochemische Oberflächentechnologie GmbH

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CEST is the Austrian Centre of Excellence focussing on electrochemical surface technology.

European lead researchers are connecting industry and universities to assure highest scientific quality in research and development projects in the areas of

- Corrosion – root cause analysis, developing approach to solving the problem, scientific guidance during implementation process
- Corrosion protection – deposition of coatings and alloys, Cr(VI) free coatings
- Functional surfaces – plating of composite materials and plastics

Fast and flexible work style, well equipped with state of the art analytical devices for surface characterization e.g. SEM, FIB, XRD, GD-OES, RAMAN, UV-VIS, IR spectroscopy etc.

CEST电化学表面技术能力中心有限公司是专注于电化学表面技术的奥地利卓越中心。

欧洲顶尖的研究人员积极搭建工业和大学之间的桥梁，确保在科研项目中实现最高的科研质量：重点研究领域包括：

- 腐蚀—根本原因分析，设计解决问题的方法，实施过程中的科学指导
- 腐蚀防护—合金和涂层的沉积，无铬（VI）涂层
- 功能表面—复合材料和塑料的电镀

快速灵活的工作方式，配备最先进的表面表征分析设备，例如：扫描电子显微镜（SEM），聚焦离子束电镜（FIB），X射线衍射仪（XRD），辉光放电光谱仪（GD-OES），拉曼光谱仪（RAMAN），紫外-可见光吸收光谱仪（UV-VIS），红外光谱仪等





## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components | Passenger compartment | **Electronics** | Power-train & chassis | Accessories | Other vehicle parts | Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility

PRODUCTS  
ENGINEERING

## cms electronics gmbh

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W www.cms-electronics.com



cms electronics - the electronics manufacturing service partner, offering one-stop-shopping for electronic assemblies.

Electronics all-inclusive:

- Development
- Material management incl. purchasing
- PCB assembly
- Automation solutions and testing procedures
- Terminal device assembly
- Small series and prototyping

The strengths of cms:

- Electronics manufacturing services offering first-class quality and maximum efficiency
- Fully-automated production solutions based on the latest technology
- Manually produced assemblies at optimised overall costs
- Manufacturing sites in AT, HU, DE
- Offices in DE, CN (Shenzhen and Hong Kong) and TR

Numerous awards for product quality, delivery reliability and flexibility; ISO/TS 16949, ISO 13485, ISO 9001 and ISO 14001 certification.

cms电子产品有限公司是电子产品制造服务领域的合作伙伴，为电子组件提供一站式采购服务。

电子产品业务全覆盖：

- 产品开发
- 材料管理，包括采购
- 电路板装配
- 自动化解决方案和测试程序
- 终端设备组装
- 小批量和样品制造

cms公司的优势：

- 电子产品制造服务，提供一流的质量和最高的效率
- 基于最新技术的全自动化生产制造解决方案
- 手工生产组件，总体成本得到优化
- 位于奥地利、匈牙利和德国的生产基地
- 位于德国、中国（深圳和香港）和土耳其的办事处

因产品高质量、交付可靠性和灵活性荣膺各类奖项；获得ISO / TS 16949、ISO 13485、ISO 9001和ISO 14001质量管理体系认证。



## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility



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PRODUCTS  
ENGINEERING

# Cryoshelter

The Styrian company Cryoshelter offers excellent solutions in the field of second-generation LNG tanks, based on the latest technical standards. Cryoshelter therefore has the largest storage capacity on the market, the longest hold times and the largest capacity in the given installation space.

LNG tanks bridge the way to a cleaner and more economic mobility of heavy duty vehicles. The LNG in the smart Cryoshelter tanks drastically reduces the exhaust emissions of lorry and bus engines and represents a significant step towards a diesel-free future.

Cryoshelter is a part of the EU Horizon 2020 programme for research and innovation and stands for scientific excellence, competitiveness and market leadership, as well as for competence.

位于施泰尔马克州的Cryoshelter有限公司依据最新的技术标准，为第二代液化天然气储罐领域提供卓越的解决方案。Cryoshelter公司拥有市场上最大的存储容量、最长的存储时间，并且可以在给定安装空间内实现最大容量。

液化天然气储罐为重型车辆未来清洁和更经济的出行铺平了道路。Cryoshelter公司智能储罐中的液化天然气可大大减少卡车和公共汽车发动机的废气排放，这是迈向无柴油未来的重要一步。

Cryoshelter公司是欧盟地平线2020计划研究和创新项目的参与企业，同时也是科学卓越、竞争力和市场领导地位及能力的代表。





## Automotive

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Machinery and systems for the automotive industry | **Engineering** | Autonomous driving | E-Mobility

PRODUCTS  
ENGINEERING

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CT Engineering – the full-service provider for innovative products: development and design support, prototyping, quality management and testing.

CT Engineering offers its know-how and many years of experience in all segments in which innovative and efficient solutions are required. Decades of experience in technically demanding projects, in-depth technical and commercially-oriented training, highly motivated employees and a network of selected partners guarantee that ideas and concepts can be optimally implemented.

CT Engineering creates concepts, develops the required components and facilitates a smooth transition to mass production - the one-stop solution.

CT工程有限公司—创新产品的全方位服务提供商：研发和设计支持、样品制造、质量管理和测试。

在需要创新和高效解决方案的所有领域，CT工程公司为高技术要求项目提供专业知识和长年的经验。基础牢固的技术和商业导向培训、积极性高的员工及精选的合作伙伴协作网络保证了设想和方案的最佳实施。

CT工程公司为客户提供一站式的解决方案，从制定方案开始，开发所需的组件，最终促成客户企业平稳过渡到批量生产。



## **Automotive**

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# Descom Engineering GmbH

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PRODUCTS  
 ENGINEERING



Descom Engineering is the centre of expertise for engineering, tool and mould making, jig and gauge construction, as well as fibre composite parts for the automotive and aviation industries.

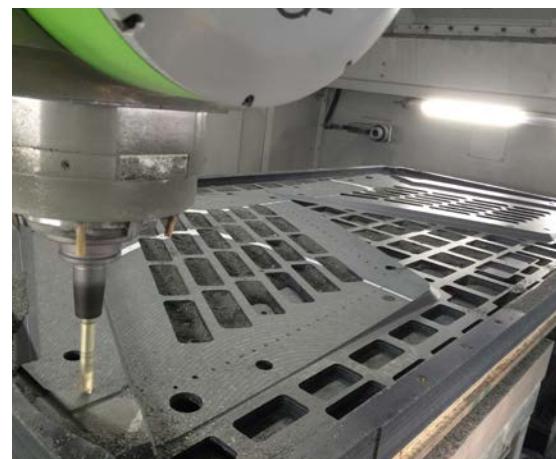
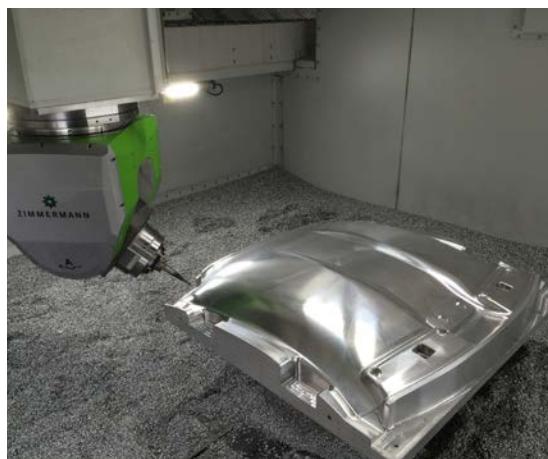
The high end 5-axis machining facilities enable the production of components up to a size of 6m in one piece.

With its laser technology and measuring arm, the in-house measurement technology ensures that the quality standards of Descom Engineering customers are met. The product portfolio ranges from leisure articles to structural components for the aviation industry.

Descom工程有限公司是一家专业技术中心，所从事的领域包括工程、工具和模具制造、夹具和量规制造以及汽车和航空工业纤维复合材料零件。

高端五轴加工中心可生产单件尺寸达6米的部件。

借助激光技术和测量臂，企业内部的测量技术可确保满足Descom工程公司客户的质量标准。产品范围包括从休闲类用品直到用于航空工业的结构部件。





## Automotive

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## PRODUCTS

# DEWETRON GmbH

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DEWETRON

DEWETRON is an Austrian manufacturer of precision test & measurement systems designed to help their customers make the world more predictable, efficient and safer.

DEWETRON's strength lies in customized solutions which can be immediately put into use, while at the same time be quickly adapted to the changing needs of the test environment and sophisticated technology of the energy, automotive, transportation and aerospace industries.

More than 25 years of experience and innovation mean that DEWETRON has earned the trust of the global measurement technology market. More than 20,000 DEWETRON measurement systems and over 300,000 measurement channels are constantly in use in well-known companies worldwide.

DEWETRON employs over 150 people in 25 countries and is part of the TKH Group.

DEWETRON有限公司是一家奥地利精密测试和测量系统制造商，旨在帮助客户企业将这个世界打造得更加可预测、更有效，更安全。

量身定制的测量解决方案是DEWETRON公司的核心优势，这些解决方案一方面可以直接投入使用，另一方面也能快速适应来自汽车、交通运输和航空工业不断变化的测试环境和先进技术的要求。

凭借超过25年的经验和创新，DEWETRON公司赢得了全球测量技术市场的信任。全球各大知名企业使用着来自DEWETRON公司的20000多套测量系统和超过300000的测量通道。

DEWETRON公司在25个国家拥有150多名员工，该企业也是TKH集团的一员。



## Automotive

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W www.dlouhy.at

PRODUCTS



Dlouhy is a family business based in Vienna and Tulln (Austria) with 140 years of experience in the construction of custom-built and special vehicles. The company has specialized in solutions for the rescue services for a number of decades.

Products range from chairs of lightweight construction for carrying patients to the conversion of all base vehicle models into every type of emergency medical rescue vehicle. In addition a wide selection of special vehicles for various applications and operational requirements are on offer.

Dlouhy provides complete solutions and systems - from the concept and design of vehicle interiors to the supply of high-tech equipment and all related services.

Dlouhy有限公司是一家在奥地利的维也纳和图尔恩设有生产基地的家族企业，在定制车辆和特种车辆制造领域拥有140年的经验。几十年来，公司一直专注于救援服务的解决方案。

公司产品一应俱全，从为搭乘病人所准备的轻质结构椅子直到在各种基础车型上进行整个紧急医疗救援车辆的改装。此外，企业还提供适用于各种应用和操作要求的特种车辆。

从车辆方案和空间设计到高科技设备和所有相关的服务，Dlouhy公司可以提供完整的解决方案和设备系统。





## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility

PRODUCTS  
ENGINEERING

# DS AUTOMOTION GmbH

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Austria | Österreich

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E info@ds-automotion.com  
W www.ds-automotion.com



Driverless Solutions for your Success

## Automated Guided Vehicles by DS AUTOMOTION

Headquartered in Linz, DS AUTOMOTION GmbH has been specializing in the development and production of Automated Guided Vehicle Systems (AGVs) for more than 30 years and is now one of the world's leading suppliers in this segment. Apart from general AGV logistics applications in various industries, DS AUTOMOTION is specialized in the automotive, agricultural, hospital & healthcare sectors, as well as intralogistics.

With "Made in Austria" quality standards, DS AUTOMOTION is a pioneer in the industry 4.0. Customers such as BMW, Fendt, Zott, JCL, MAN, Bosch, SKF and VW are impressed by the optimization of transport tasks and the 24/7 availability of the autonomous vehicles.

Please contact DS AUTOMOTION for any questions regarding transport automation:  
[www.ds-automotion.com](http://www.ds-automotion.com)

## DS自动化有限公司的无人驾驶自动导向运输车

DS自动化有限公司总部位于林茨，30多年来一直专注于自动导引车系统（AGV）的研发和生产，这家创新企业现已成为该领域的全球领先供应商之一。DS自动化有限公司的客户主要来自于汽车、农业、医院和医疗健康行业及企业内部物流领域。

DS自动化有限公司凭借“奥地利制造”的质量标准，成为工业4.0领域的先行者。企业对运输车辆的优化和自动导向车辆全天候不间断的可用性让宝马、芬特、卓德、JCL、曼、博世、斯凯孚和大众等客户印象深刻。

有关运输自动化的任何问题，敬请联系DS自动化有限公司：[www.ds-automotion.com](http://www.ds-automotion.com)



**Automotive**

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## Ebbinghaus Styria Coating GmbH

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EBBINGHAUS  
STYRIA COATING



Ebbinghaus Styria Coating is a leading industry specialist in functional and decorative coatings for metal surfaces.

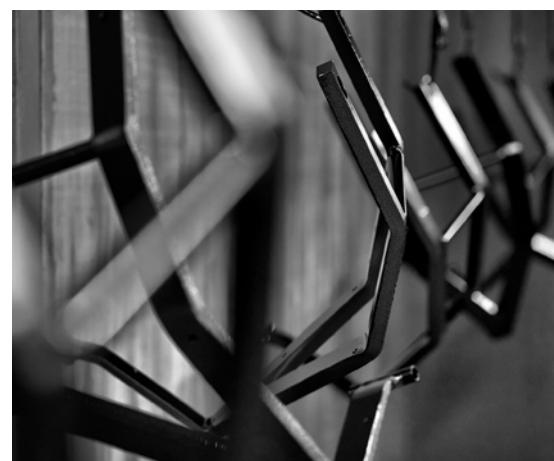
At its plant in Graz, Austria, Ebbinghaus Styria Coating offers cataphoretic coating, as well as powder coating, wet painting and PVC coating. This service portfolio means that articles of varied dimensions can be coated – from small parts like screws to sheet metal parts of different sizes and geometrical shapes to complete vehicle body sides.

Emphasis is placed on quality and manufacturing expertise. In addition to coating, logistics services such as order picking and special packaging are carried out.

施泰尔马克州Ebbinghaus涂料有限公司是金属表面功能性和装饰性涂料的领先行业专家。

这家企业位于奥地利格拉茨的工厂提供电泳涂料、粉末喷涂、湿法喷涂和PVC涂料。产品服务组合适用于涂覆各种尺寸的物品—从螺钉等小零件到不同尺寸和几何形状的钣金零件，再到整个车身侧面。

企业十分注重质量和制造专业知识，除涂料外还提供订单拣选和特殊包装等物流服务。





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

# Ebner Industrieofenbau

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# EBNER

EBNER Industrieofenbau is a global, family-owned company and market leader for heat treatment facilities for the metals industry.

EBNER specializes in research, development, fabrication, installation and commissioning of heat treatment facilities for the steel, aluminium and copper-base metals industry.

EBNER's pioneering concepts in modern burner technology create new perspectives in offering environmentally friendly and energy efficient solutions.

The automotive industry imposes strict quality requirements on the material it uses. EBNER is the right partner for precision and efficiency in heat treatment.

艾伯纳工业炉制造公司是一家全球性的家族企业，也是金属半成品行业热处理设备的市场领导者。

企业专注于钢铁、铝和有色金属行业热处理设备的研究、开发、制造、安装和调试运营。

艾伯纳工业炉制造公司在现代燃烧器技术方面的开创性设计为引领未来的环保节能解决方案提供了新的视角。

在汽车行业，必须满足对所用材料严格的质量要求。在热处理精度和效率方面，艾伯纳公司是最佳的合作伙伴。



**Automotive**

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# EGSTON Automotive Eggenburg GmbH

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EGSTON is one of the world's leading suppliers of inductive components. Over 50 years of experience, a global production and sales network, and numerous patents guarantee the perfect solution for product development and serial production.

EGSTON develops, tests, and manufactures customised inductive components such as chokes, transformers, transmitters and electromagnetic coils. Our facilities and processes represent state-of-the-art technology to ensure the highest quality standards worldwide, leading know-how, and prompt and reliable delivery.

The ideas, requests and requirements of the customers are EGSTON's basis for the entire process of developing complex components.

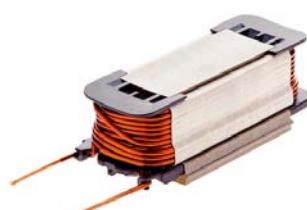
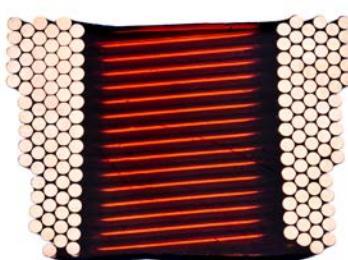
EGSTON is certified with ISO/TS 16949 (2002) and ISO 9001 (2000).

EGSTON公司是世界领先的电感元件供应商之一，凭借着超过50年的经验、全球生产和销售网络及众多专利，企业可为产品研发和批量生产提供完美的解决方案。

EGSTON公司研发、测试和制造定制的电感元件，如扼流圈、变压器、变送器和电磁线圈。企业的设施和工艺流程是最先进制造技术的代表，也确保了全球最高的质量标准、领先的专业知识和及时可靠的交付。

从客户的想法、愿望和要求出发，EGSTON公司提供复杂组件的整个研发过程服务。

企业通过了ISO / TS 16949 (2002) 和ISO 9001 (2000) 质量管理体系认证。





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

## Ejot Austria GmbH & Co KG

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**EJOT®**

EJOT Austria is part of the EJOT group and acts as an independent subsidiary in Austria. The Austrian distribution company is also responsible for the region of Southeast Europe and manages sales activities in 6 further countries.

Specializing in advanced fastening technology, EJOT works with customers from the automotive and supplier industries, electrical engineering, electronics and construction industry.

EJOT offers a broad range of innovative fastening elements, such as self-tapping screws for metal and plastics, engineered plastic and metal formed parts, a complete range of fasteners for roofing and cladding and the ejotherm® programme for fixing external thermal insulation composite systems.

毅结特（奥地利）有限公司隶属于毅结特集团，是该集团在奥地利的独立子公司。这家在奥地利的销售企业还负责东南欧地区，并且管理着另外6个国家的销售业务。

毅结特公司专注于先进的紧固技术，与汽车制造商和供应商、电气工程、电子以及建筑和隔热复合系统行业的客户精诚合作。

毅结特公司提供各类创新型的紧固元件，例如用于金属和塑料的自攻螺钉、工程塑料和金属成型零件，用于大楼房顶和外墙的全系列紧固件以及用于固定外部隔热复合系统的 ejotherm® 产品。

EJOWELD® - Lightweight design made easy



## Automotive

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# EMCO-TEST Prüfmaschinen GmbH

PRODUCTS

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EMCO-TEST is the technology leader for hardness testing machines. Many years of experience and high quality standards guarantee 360° full service competence.

Pursuing his vision of "constructing machines that do not simply do everything, but do everything simply" Ernst Alexander Maier developed his company EMCO-TEST to become a global specialist in the field of hardness testing. Today, 60 years later, the company is the biggest manufacturer of hardness testing machines with the most modern and most efficient technologies in Europe.

The DuraLine product range - semi- or fully automatic hardness testing according to all standardised test procedures such as Rockwell, Vickers, Brinell and Knoop - represents a quantum leap in the simple and efficient operation of hardness testing machines.

EMCO-TEST试验机有限公司是硬度试验机技术的领导者。企业多年的行业经验和高质量标准保证了其360°全方位的服务能力。

在“我们需要造的机器不是简单地做所有事情，而是要使所有的事情变得简单”这一愿景的指引下，恩斯特-亚力山大·迈尔（Ernst Alexander Maier）将所经营的企业EMCO-TEST公司打造发展成为硬度测试领域的全球专家。成立60年后的今天，公司已经成为欧洲最先进、技术最高效、规模最大的硬度试验机制造商。

DuraLine产品系列可根据所有标准化测试程序（如罗克韦尔、威格士、布氏硬度和努氏硬度）进行半自动或全自动硬度测试，代表着硬度测试机在简单高效运行方面的巨大飞跃。





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

## EMPL Fahrzeugwerk Ges.m.b.H.

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EMPL is the leading European manufacturer of customised superstructures for truck chassis. The products, which are tailor-made to meet the customers' specific application requirements, are well known worldwide and have an excellent track record.

As an experienced partner in the field of "fire engines", "commercial vehicles" and "logistic products" EMPL offers a wide range of tailor-made quality products.

EMPL is permanently developing special solutions for the use by governmental institutes and private companies such as fire brigades, highway authorities, police departments or public transportation companies. Therefore the range of vehicles – suitable for all chassis brands – is very wide.

EMPL车辆底盘有限公司是定制卡车底盘上部结构欧洲领先的制造商。这些产品均根据客户的特定应用要求量身定做，企业在全球享有盛誉，拥有着出色的业绩记录。

EMPL公司是“消防车”、“商用车”和“物流产品”领域经验丰富的合作伙伴，可提供各种量身定做的优质产品。

EMPL公司不断为政府机构和私营企业研发特殊解决方案，如消防队、道路管理和养护部门、警察局和公交公司。企业产品适用于所有品牌的底盘，涉及的车辆范围非常广泛。



## **Automotive**

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Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility



# **ENGEL AUSTRIA GmbH**

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PRODUCTS  
ENGINEERING

**ENGEL**  
be the first

With its high degree of systems solutions and automation expertise, its own Centre for Lightweight Composite Technologies and its global presence, the injection moulding machine manufacturer ENGEL, headquartered in Schwertberg, Upper Austria, is one of the preferred technology partners of the international automotive industry.

ENGEL seamlessly integrates mechanical engineering and automation, process development and Industry 4.0. This is the only way to fully utilise efficiency and quality potentials, and to economically bring even the newest technologies into series production.

With group revenues of 1.36 billion Euro, the family-run enterprise is the largest global manufacturer of injection moulding machines.

注塑机制造商恩格尔公司总部位于上奥地利州施韦特贝格，拥有尖端的系统解决方案和自动化专有知识。企业旗下建立了轻量复合材料技术中心，并在全球开展业务，是国际汽车行业的首选技术合作伙伴之一。

恩格尔公司无缝集成了机械工程和自动化、工艺开发和工业4.0。这是充分利用效率和质量潜力，以高经济效益的方式将最新技术带入批量生产的唯一途径。

这家家族企业集团的年销售收入达到13.6亿欧元，是全球最大的注塑机制造商。





## Automotive

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RESEARCH  
ENGINEERING

# Engineering Software Steyr GmbH

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ESS develops software products for the automotive and paint shop industries.

The software-tool ALSIM allows the simulation of a whole paint shop, including pre-treatment and secondary processes (e.g. PVC). A second business area provides simulation services and software products in the field of CFD that use and combine many different calculation methods.

There is a wide range of possible applications in the automotive industry. Specific CFD knowledge is not needed thanks to an easy-to-use graphical interface.

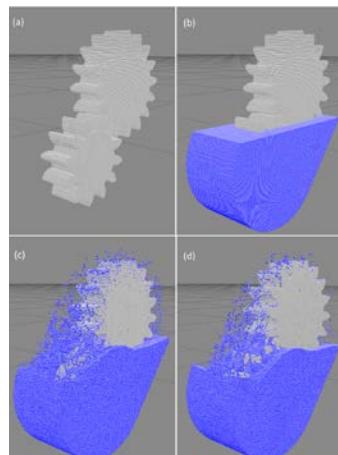
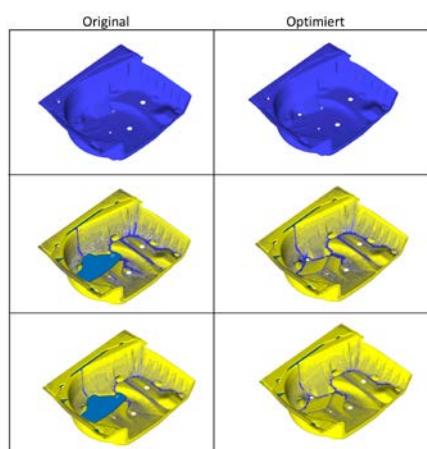
In addition, the gap between design and simulation is closed with the help of a preprocessing tool that fully automatically generates a high-quality mesh.

斯太尔工程软件有限公司（ESS）为汽车和油漆行业开发软件产品。

仿真软件工具ALSIM可模拟整个工业涂装车间，包括预处理和二次加工（例如PVC）。企业的第二大业务是提供计算流体动力学方面的模拟服务和软件产品，这些产品和服务采用并组合了多种不同的计算方法。

ESS公司的产品可应用于汽车行业的不同领域。软件采用易于使用的图形界面，因此不需要操作者具有特定的计算流体动力学专业知识。

另外，预处理工具也弥合了设计和仿真之间的差距，该工具能够完全自动生成两者之间高质量的啮合。



**Automotive**

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## EVO-tech GmbH

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PRODUCTS

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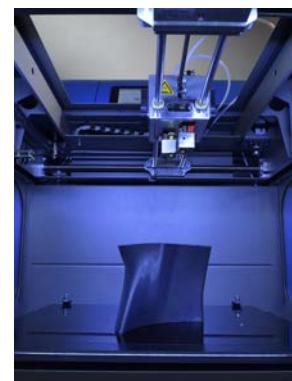


EVO-tech is an Austrian company based in Schörfling am Attersee. Since it was founded by the director Markus Kaltenbrunner, the company acts as a full-service supplier in the area of additive manufacturing and professional 3D printing with distinct consulting and service components. As such, EVO-tech develops and produces FFF printers for additive production.

A further focus lies on the development and adaptation of filaments and engineering plastics. The company's target markets are Austria, Germany, Switzerland and Italy.

EVO-tech技术有限公司是一家总部位于阿特湖畔舍尔富林的奥地利企业。自总经理马库斯·卡尔腾布鲁纳 (Markus Kaltenbrunner) 创立这家企业以来，该公司逐渐成长为增材制造和专业3D打印领域的全方位服务供应商，拥有独特的咨询和服务组件。EVO-tech公司研发和生产用于增材制造的FFF打印机。

除此之外，企业也十分关注长丝和工程塑料的研发与改进。公司的目标市场为奥地利、德国、瑞士和意大利。





## Automotive

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PRODUCTS  
ENGINEERING

# Faschang Werkzeugbau GmbH

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FASCHANG®

Since the company was founded in 1988, Faschang has helped its customers become even more competitive with intelligent, complete technical solutions. That is the driving force behind Faschang Werkzeugbau in Weng im Innkreis.

There are more than 120 highly qualified employees currently developing and manufacturing in the 9000m<sup>2</sup> production area.

The company offers:

- Customer specific fixtures (adhesive, measurement, inspection equipment,...)
- Tools (punching, bending, moulding die,...)
- Punching and bending parts in series production
- Quality turned and milled parts

Faschang is known as „THE Solution Provider“ and „a one-stop shop“, working together with a variety of customers.

自1988年公司成立以来，Faschang工具制造有限公司通过智能、完整的技术解决方案帮助客户提升竞争力。这是这家位于奥地利翁因克莱斯的企业背后的驱动力。

目前在9000平方米的生产区域内，有120多名高素质的员工致力于研发和制造工作。

公司提供的产品包括：

- 客户定制的固定装置（粘合、测量、检测设备.....）
- 工具（冲压、弯曲、深拉伸成型模具.....）
- 批量生产中的冲压和弯曲零件
- 高质量转向和铣削零件

Faschang公司作为“解决方案提供商”和“一站式服务商”获得业界赞誉，企业与各类客户开展合作。



**Automotive**

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## Fasching Salzburg GmbH

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PRODUCTS  
ENGINEERING



Fasching Salzburg develops, produces and distributes belts for the automotive industry and disability technology. The company scores with its strong technical and personal competence, its own independent technologies and proprietary tools.

The product range includes 2-point and 3-point belts (shoulder harness belts) and special belts (H-belts) available as static, ALR (automatic locking retractor) and ELR (emergency locking retractor) versions.

Fasching supplies high quality belt systems and special applications for buses (mini, midi and coaches), for utility and special vehicles and agricultural machines, as well as for the armed forces.

萨尔茨堡Fasching有限公司为汽车工业和残疾人出行研发、生产和销售安全带。公司凭借其强大的技术和个人能力、自主技术和专有工具而获得业界的广泛好评。

公司产品范围包括2点和3点安全带（肩带安全带），以及特殊安全带（H型安全带）。这些安全带有静态、ALR（自动锁定卷收器）和ELR（紧急锁定卷收器）三种型号。

Fasching公司为公共汽车（小型、中型和长途汽车）、商用和特种车辆，以及农业机械和军队提供高质量的安全带系统和特殊应用产品。





## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components | Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts | Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility

PRODUCTS  
ENGINEERING

# FerRobotics Compliant Robot Technology GmbH

Altenberger Straße 69  
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Austria | Österreich

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W www.ferrobotics.com



FerRobotics is the international technology leader in sensitive automation and makes robots feel what they are doing. This industrial gold standard brings tricky handwork like sanding, grinding, deburring, handling, etc. up to an industry 4.0 automation level.

All branches benefit from the closure of these gaps in automation, including the automotive and aviation industries. The company's Active Compliant Technology ACT automates complex processes on a cost-effective basis, while at the same time improving production quality and cutting down cycle times.

Top results can be achieved immediately through the smart, out-of-the-box integration of both ACT standard tools and the special ACT function package into new or existing robotic systems.

FerRobotics柔性机器人技术有限公司是接触敏感自动化领域的国际技术领导者，他们的主动柔性技术（ACT）让机器人能够感知到正在做的事情。这一工业4.0的高标准提高了如打磨、磨削、去毛刺、处理等诸多棘手的手工工作的自动化水平。

这些自动化领域的空白得以填补，所有行业均从中收益，其中包括汽车和航空业。公司机械臂末端装置使用的主动柔性技术可在经济高效的基础上实现复杂流程的自动化，同时缩短生产周期，并提高生产质量。

ACT标准产品和特殊整体解决方案可开箱即用地智能集成到新的或现有的机器人系统中，立即实现最佳的结果。

Automated contact-sensitive  
grinding of car body



ASK: Package solution for  
grinding of roof-joints



ABG: Cooperative belt grinding  
device for smaller parts



# FH JOANNEUM GesmbH – Institute of Automotive Engineering

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**FH JOANNEUM**  
Fahrzeugtechnik /  
Automotive Engineering

Since 1996, the Institute of Automotive Engineering at the FH JOANNEUM University of Applied Sciences in Graz / Austria has been training young, technically interested people to become globally successful engineers.

The institute also offers cooperation in research to industrial partners. The test field of the institute is equipped with two combustion engine test rigs with exhaust emission measurement, friction resistance tester, tilting bed, flow quantity measuring device, transmission test bed, climatic chamber (-50 to +50 °C for cold start tests and testing of vehicle air-conditioning) and a VT-SHED conditioning system.

The exhaust emission measurement at the chassis dynamometer, as well as the hydrocarbon evaporation emissions measurement (VT-SHED), are accredited according to European and USA standards.

自1996年以来，位于奥地利格拉茨的约安诺姆应用科学大学（FH JOANNEUM）汽车工程技术学院的“车辆技术和汽车工程”专业一直致力于培养对技术感兴趣的年轻人才，旨在将他们塑造成全球范围取得成功的工程师。

学院还为工业合作伙伴提供研究上的合作机会。专业试验场配备两套带有尾气排放测量系统的发动机试验台，分别带有滚动、摩擦、旋转、流量和传动测试装置。除此之外，试验场还配备了一个温度范围为-50° C至+ 50° C的气候室，用于冷启动测试和车辆空调检测，以及一套VT-SHED空调设备。

滚动试验台的尾气排放测量系统以及碳氢化合物蒸发排放（VT-SHED）测量实验室均按照欧洲和美国标准通过了认证。





## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
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RESEARCH  
PRODUCTS  
ENGINEERING

# FILL Gesellschaft m.b.H.

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Fill, founded in 1966, is a leading international machine and plant engineering company for a wide range of industries, and is completely family-owned.

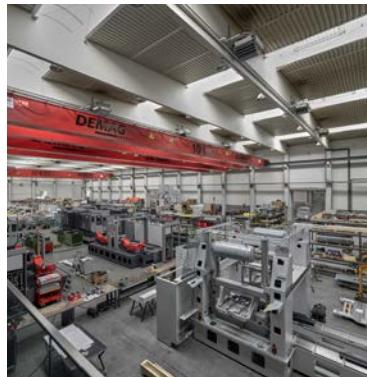
Fill is THE ideas factory for tailor-made complete solutions and composes the best processes internationally in each field of business. Automotive, Aerospace, Sport, Energy, and Timber & Construction.

With many years of experience and technical proficiency, Fill takes overall responsibility for even the most complex automation processes.

Fill有限公司成立于1966年，是一家领先的国际机械和设备工程公司，业务范围广泛，企业100%为家族所有。

Fill公司是一家可提供量身定制的完整解决方案的创意工厂，并为汽车、航天、运动、能源以及木材和建筑等各个业务领域打造国际范围最佳工艺流程。

凭借多年的经验和专业技术能力，即便是最复杂的自动化工艺流程，Fill公司的团队也能够做到全面负责。



## Automotive

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# Franz Achleitner GMBH

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PRODUCTS  
ENGINEERING

The company Achleitner is highly valued by customers all over the world for its protected logistics, safety and special vehicles.

Achleitner's innovative products include:

- the militarised and / or protected SURVIVOR 4x4 family – PMV SURVIVOR II, HMV SURVIVOR I, MMV SURVIVOR with high accessibility
- Special protection vehicles based on the Land Cruiser 200 or a conventional transporter
- Troop carrier, command vehicle or other special requirements: CARRIER 4x4, MANTRA 4x4, GESON 4x4
- tailor-made customer solutions

Achleitner公司因其防护严密的物流、安全和特种车辆而受到全球客户的高度赞誉。

Achleitner的创新产品包括：

- 军用改良的和／或有防护的SURVIVOR 4x4家族系列-- PMV SURVIVOR II, HMV SURVIVOR I, MMV SURVIVOR，具有高强越野性能
- 基于兰德酷路泽200车型或传统运输车之上的特殊防护车辆
- 运兵车、指挥车或其他特殊要求产品：CARRIER 4x4, MANTRA 4x4, GESON 4x4
- 量身定制的客户解决方案

High protected PMV SURVIVOR II  
for special forces



Interior protected security vehicle  
LAND CRUISER 200



Special armored HMV SURVIVOR I  
with ladder system





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

# Fried.v.Neuman GmbH, Neuman Aluminium

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**NEUMAN**  
**ALUMINIUM**

The know-how of the Neuman Aluminium Group encompasses the development and production of high-quality aluminium parts and offers innovative solutions for the automotive, construction, electronics, safety engineering and packaging industries.

Unique is the continuous production from the melt to the ready-to-install component. The company operates worldwide in 16 plants in Europe, Asia and North America. In 2017 a further new plant was opened in Lagos de Moreno, Mexico, to supply the growing automotive industry.

The 5 service areas of the Neuman Aluminium Group are:

- Slug production and forging rod production
- Impact extrusion
- Direct extrusion
- Lightweight solutions automotive Chassis sector (Raufoss)
- Profile processing (PWG)

Neuman铝业集团在研发和生产高品质铝部件方面拥有丰富的专有知识，并为汽车、建筑、电子技术、安全工程和包装行业等领域提供创新解决方案。

企业的业务范围涵盖从熔体到可立即安装部件的全流程生产，这也是企业的独特优势。公司业务遍布全球，在欧洲、亚洲和北美设有16家工厂。2017年，Neuman公司在墨西哥拉各斯德莫雷诺开设了另一家新工厂，为不断发展的汽车工业提供服务。

Neuman铝业集团的五大业务领域是：

- 生产金属块和锻造杆
- 冲击挤压
- 直接挤压
- 为汽车底盘部门提供轻量化解决方案（罗福斯公司）
- 型材成型和加工（PWG）



## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility



# Fronius International GMBH

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Fronius International is an Austrian owner managed company. With a global workforce of 3,817 employees, the company operates in the areas of welding technology, photovoltaics and battery charging technology.

Fronius generates its export share of around 90 percent through 28 international companies as well as sales partners and representatives in more than 60 countries.

1,242 patents for product development demonstrate the innovative spirit within the company to the world market.

At Fronius sustainable development means the equal implementation of environmental and social aspects and economic factors.

Fronius国际有限公司是一家由奥地利企业主自己管理并决策负责的企业。公司在全球范围拥有3817名员工，在焊接技术、光伏和电池充电技术领域开展业务。

Fronius公司拥有28家国际公司，并在60多个国家拥有销售合作伙伴和代表，实现了约90%的出口份额。

面对全球市场，1242项产品发明专利也充分展现了企业的创新精神。

对于Fronius公司而言，可持续发展意味着环境、社会和经济三个方面的齐头并进，三者应同等对待。





## Automotive

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PRODUCTS  
ENGINEERING

# Fuchshofer Präzisionstechnik GmbH

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Fuchshofer was founded by Hannes Fuchshofer in 1994 as a “one-man show”.

Constant further development and steady growth has made this company what it is today: a professional and reliable partner in the field of CAM-CNC precision technology with 86 employees in a 4600m<sup>2</sup> company building.

### Core competencies

- CAM-CNC precision technology
- Additive manufacturing
- Ultrasonic grinding technology
- Special machine construction & assembly

Well-known companies in the aviation, aerospace, automotive, electrical and medical industries rely on the strengths of Fuchshofer Präzisionstechnik:

- Short-term delivery dates
- High standard of quality
- Fast reaction time

Fuchshofer精密技术有限公司由汉纳斯·弗克斯霍夫于1994年创立，成立伊始是一家“一人企业”。

持续不断的进一步发展和稳定的增长使当初的“一人企业”成长为如今CAM-CNC精密技术领域专业可靠的合作伙伴。企业目前拥有86名员工，企业大楼面积达4600平方米。

### 核心技术能力：

- CAM-CNC精密技术
- 增材制造
- 超声波研磨技术
- 特种机械制造和安装

来自航空、航天、汽车、电子工业和医疗技术等行业的知名企业依赖Fuchshofer精密技术有限公司的核心优势：

- 交货期短
- 质量标准高
- 反应时间快



## **Automotive**

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components | Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts | Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility



# **GD European Land Systems - Steyr GmbH**

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RESEARCH  
PRODUCTS  
ENGINEERING

**GENERAL DYNAMICS**  
European Land Systems-Steyr

General Dynamics European Land Systems (GDELS) is a General Dynamics Corporation company with locations throughout Europe in Germany, Austria, Spain and Switzerland.

More than 1870 GDELS employees with first-class technical training develop, produce and supply wheeled, tracked and amphibious vehicles, as well as other combat systems, artillery and ammunition for customers around the world.

As one of the leading manufacturers in Europe in the field of ground-based combat systems, GDELS concentrates on four selected business areas (tracked vehicles, wheeled vehicles and bridges, as well as artillery and ammunition) with the aim of promoting the synergies and coordination between its 9 plants.

通用动力欧洲陆地系统公司（GDELS）是一家通用动力旗下的公司。欧洲范围内，企业在德国、奥地利、西班牙和瑞士设有分公司。

GDELS拥有超过1870名接受过一流技术培训的员工，为世界各地的客户研发、生产和供应轮式、履带式和水陆两用车辆，以及其他作战系统、火炮和弹药。

作为欧洲地面作战系统领域的领先制造商之一，GDELS专注于四个业务领域（履带式车辆、轮式车辆、桥梁以及火炮和弹药），并致力于增进下属9个工厂的协同作用，加强协调。

ASCOD



EAGLE 4x4 and 6x6



PANDUR 6x6





## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | **Electronics** | Power-train & chassis | Accessories | Other vehicle parts |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility

## PRODUCTS

# Gebauer & Griller Kabelwerke GmbH

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**Gebauer & Griller**

Gebauer & Griller is an international group in Austrian family ownership that has been producing high quality, technologically sophisticated wires, cables and wiring systems for applications in automobiles, elevators and industry for more than 75 years.

Its customers include renowned companies such as Audi, BMW, Daimler, Kone, Otis and Siemens. The 4107 employees generated a turnover of 436 million euro in 2016/17.

### Locations:

Vienna: company headquarters / Linz: metal works / Poysdorf: cable manufacturing plant and development and competence centre / Mikulov [CZ], Velke Levare [SK], Bangalore [India], San Juan del Río [Mexico]: cable assembly / Balti [Moldova]: cable manufacturing plant / Southfield, MI [USA]: sales & engineering office / Munich, Sindelfingen, Ingolstadt [Germany]: engineering offices / Shenyang [China]: cable assembly

Gebauer & Griller电缆工程有限公司是一家奥地利家族所有的国际企业集团，超过75年来一直致力于为汽车、电梯和工业应用生产高质量、技术先进的电线、电缆和管线系统。

公司客户包括奥迪、宝马、戴姆勒、通力、奥的斯和西门子等知名企业。2016/17年度，这家拥有4107名员工的集团公司营业额达4.36亿欧元。

### 生产基地：

维也纳：公司总部 / 林茨：金属加工厂 / 波伊 斯多夫：电缆制造厂和研发中心 / 米库洛夫（捷克）、Velke Levare（斯洛伐克）、班加罗尔（印度）、圣胡安德里欧（墨西哥）：电缆装配 / 巴尔蒂（摩尔多瓦）：电缆制造厂 / 密歇根州南菲尔德（美国）：销售、研发和设计办公室 / 慕尼黑、辛德芬根、英戈尔施塔特（德国）：设计办公室 / 沈阳（中国）：电缆装配



## Automotive

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Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility



# GGB Austria GmbH

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PRODUCTS  
ENGINEERING



GGB provides more than 50 auto bearing solutions for automotive applications. GGB automotive bearings and truck bushings offer many advantages, contributing to a superior driving performance:

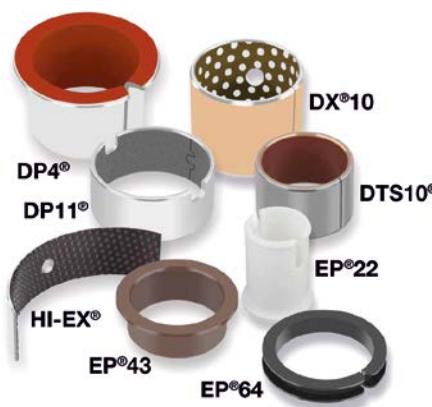
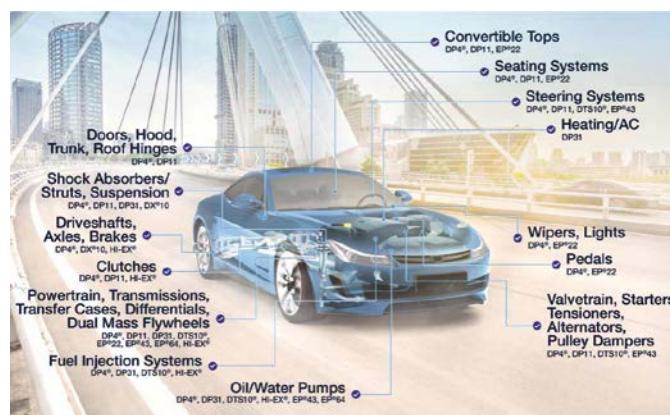
- Long life, reliable and smooth operation
- High wear resistance performance
- Self-lubricating
- Low coefficient of friction and breakaway torque, no stick-slip effect
- Compatible with most standard oils and lubricants
- High-precision and dimensionally stable

The company's environmentally friendly, lead-free bearings reduce installation, operating and maintenance costs and are compliant with the European Union's End of Life Vehicles (ELV) directive on the elimination of hazardous materials.

GGB (奥地利) 有限公司为汽车行业提供50多种汽车轴承解决方案，其中包括用于铰链和减震器的滑动轴承以及变速箱轴承，产品的众多优点有助于实现驾驶性能的改善：

- 使用寿命长，性能可靠，运转平稳
- 高耐磨性能
- 自润滑
- 摩擦系数和最小开机转矩的数值低，无粘滑效应
- 与大多数标准油品和润滑剂兼容
- 高精度和尺寸稳定不变形

公司的环保无铅滑动轴承不仅降低了安装、运营和维护成本，而且还符合欧盟关于消除危险材料的报废车辆标准指令。





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

## Gruber & Kaja High Tech Metals GmbH

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For 67 years Gruber & Kaja has been a high performer in the provision of pre-finished and pressure-tight aluminum high pressure die cast parts.

Gruber & Kaja predominately support truck and automobile manufacturers, as well as their suppliers, with high standards of quality, complexity and delivery reliability.

The continually improved products and processes have, for many years, contributed significantly to the efficiency and durability at companies such as Audi, BMW, VW and Wabco.

Gruber & Kaja高科技金属有限公司67年来在提供预制型压力密封铝高压压铸件产品领域，包括机械加工和装配，一直有着出色的表现。

Gruber & Kaja公司主要服务于两轮车、卡车和汽车制造商及其供应商，其产品和服务遵循高质量标准，企业可提供高复杂性的产品，并确保交付的可靠性。

多年来，公司不断改进自身产品和工艺，为奥迪、宝马、大众和威伯科等公司产品的效率和耐用性提升做出了重大贡献。



## **Automotive**

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# **GST - Gesellschaft für Schleiftechnik GmbH**

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Since it was founded in 1992, the GST company has firmly established itself on the market as a reliable and flexible partner of the automotive industry and the mechanical engineering sector.

The company's core competency is the production of customized cylindrical grinding machines and processing solutions to satisfy the highest requirements.

In addition GST is known for the provision of a broad range of services, including the retrofitting and overhauling of machines which have outlived their prime time. Furthermore the company is always there for its customers, from the first consultation, planning and design engineering to the final commissioning, machine capability tests and regular maintenance services.

自1992年成立以来，GST磨削技术有限公司以汽车行业和机械工程领域贴近客户需求、灵活可靠的合作伙伴形象稳立足于市场。

企业的核心技术能力：生产定制外圆磨床，提供加工解决方案，以满足客户最高的要求。

GST公司的服务范围广泛，包括对老旧机器的现代化升级和改装。公司可为客户提供全方位的服务，从最初的咨询规划和工程设计直至调试运行、机器能力测试和定期维护服务，一应俱全。





## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | **Electronics** | Power-train & chassis | **Accessories** | Other vehicle parts |  
Machinery and systems for the automotive industry | **Engineering** | Autonomous driving | E-Mobility

## PRODUCTS

# HellermannTyton GmbH

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W www.HellermannTyton.at

# HellermannTyton

HellermannTyton is a leading manufacturer and supplier of products for fastening, fixing, installing, connecting, insulating, protecting and identifying electrical cables and data network infrastructure. Furthermore the company also develops parts for customer-specific industrial applications.

The HellermannTyton team is always at hand, discussing new conceptual solutions with its customers and tailoring them to meet their exact requirements. Decisions are made without detours. The company bundles its expert knowledge with that of the customer in order to achieve the very best results for each project.

HellermannTyton is represented worldwide by 37 companies on all five continents. Eleven of these sites are facilities producing more than 75,000 products to facilitate the work of their customers.

海尔曼太通有限公司是紧固、固定、安装、连接、绝缘和保护产品以及电缆、管线和数据网络基础设施标识领域的领先制造商与供应商。除此之外，海尔曼太通公司还为客户提供特定的工业应用研发零部件。

海尔曼太通公司的团队随时待命，与客户共同开发新的设计和解决方案，并可根据客户的具体要求进行定制。不用走弯路就能做出正确的决策。企业将其自身和客户的专有知识结合在一起，以便在每个项目中呈现最佳的结果。

海尔曼太通公司在全球五大洲拥有37家公司，其中11个生产基地提供超过75000种产品，为公司的客户带去便利。



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# **HENN GmbH & Co KG**

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PRODUCTS



HENN, a world market leader in the field of intercooler connectors, has been developing and producing innovative connection systems for intercooler systems and coolant systems in the automobile industry since 1990.

In addition to the production of coupling clips, HENN also produces the necessary crimping machine. Customers include automobile and hose manufacturers in Europe, USA and Asia.

HENN connection technology is protected by 122 patents and registered designs. Limited space in engine compartments and more demanding technical requirements as a result of „downsizing“ are the reason why the company's connection systems - designed for fast, tool-free installation - can be found on the production lines of many automobile brands.

HENN有限公司是中冷器连接器领域的全球市场领导者，自1990年以来一直致力于为汽车行业的中冷器系统和冷却系统研发和生产创新型的连接系统。

除了生产联轴夹之外，HENN公司还生产必要的压接机。企业的客户中包括欧洲、美国和亚洲的汽车和软管制造商。

HENN公司的连接技术已获得122项专利保护和实用新型设计的保护。发动机在“缩小尺寸”后，发动机舱内的空间有限，技术要求更高。HENN的产品专为快速、免工具安装而设计。这也是为什么许多量产的汽车品牌中都能找到这家企业连接系统的原因。





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PRODUCTS  
ENGINEERING

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**HIRSCHMANN**  
Industrial Sensors

Hirschmann Automotive GmbH is an internationally active company, employing around 4,800 people in several locations around the world.

In the fields of automotive, industrial sensors and renewable energy, Hirschmann Automotive GmbH develops and produces customer-specific systems as well as catalogue products which are highly appreciated by hundreds of customers every day.

赫斯曼汽车技术有限公司是一家在国际市场上十分活跃的企业，在全球多地设有生产基地，拥有约4800名员工。

在汽车、工业传感器和可再生能源领域，赫斯曼汽车技术有限公司研发和生产客户定制系统和目录产品，这些产品始终受到众多客户的高度赞赏。



**Automotive**

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# Hirtenberger Automotive Safety GmbH & Co KG

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PRODUCTS  
ENGINEERING



Hirtenberger Automotive Safety is specialised in the development and production of advanced pyrotechnic solutions for systems to protect pedestrians, occupants and rescue personnel, as well as for non-automotive applications.

Established in 1993 as part of the Hirtenberger Group in Austria, the company has become one of the leading suppliers of pyrotechnic products to the European automotive industry. Hirtenberger Automotive Safety supplies almost every major vehicle manufacturer and Tier 1 supplier with products from their core range of pyrotechnic actuators and micro gas generators.

In 2017, the company opened its first office in Auburn Hills, Michigan, in order to improve the service to its customers in North America and to position themselves as a more global partner.

希尔滕贝格汽车安全技术有限公司专门研发先进的烟火技术解决方案和生产相应产品，用于保护行人、乘客和救援人员，并且也适用于非汽车行业应用。

公司成立于1993年，是奥地利希尔滕贝格集团的组成部分，已发展成为欧洲汽车行业烟火技术产品的领先供应商之一。希尔滕贝格汽车安全技术有限公司几乎为所有主要汽车制造商和一级供应商提供烟火技术执行器和微型气体发生器等核心产品。

2017年，公司在密歇根州奥本山开设了第一家办事处，以改善北美地区的客户服务，同时也加强了自己作为全球化合作伙伴的定位。





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### PRODUCTS

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Hödlmayr International is a vehicle logistics specialist that offers efficient solutions along the entire distribution chain.

Highly motivated specialists implement innovative, top quality logistics concepts for leading manufacturers, importers, retailers and fleet owners. Hödlmayr International customers profit from its more than sixty years of experience and a company-owned European logistics network complete with distribution centres and transport fleets.

Services commence with releasing agent activities at production plants and then continue via rail and road transport to the distribution centres across the whole of Europe. Hödlmayr International prepares vehicles for local retailers, or modifies vehicles in accordance with customer requirements.

Hödlmayr国际股份公司是汽车物流方面的专家，为配送供应链全程提供高效的解决方案。

积极主动的物流专家为行业领先的制造商、进口商、经销商和车队所有者设计创新和高品质的物流方案。Hödlmayr公司的客户得益于企业60多年的从业经验和所拥有的欧洲物流网络，该网络涵盖多个配送中心和运输车队。

企业的服务从工厂内部的派车开始，通过铁路和公路运输将产品运送到遍布欧洲各地的配送中心。Hödlmayr国际股份公司为当地经销商准备车辆，也可根据客户要求进行车辆改装。



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ENGINEERING

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**IMR FABRIK-AUTOMATION GmbH**

IMR FACTORY AUTOMATION is one of the leading companies in the automation of manufacturing processes. Many years of experience in application technology solutions confirm the company's competence in special machine construction such as robotics, 3D digital vision, handling and conveyor technology.

Further business areas in the whole IMR TECHNOLOGY GROUP produce:

- Aluminium metal powder for 3D printing (AM)
- Zinc and tin powder production for the chemical and automotive supply markets
- Anodes for the electroplating industry and alloys for hot-dip and strip galvanizing.

The experience of the company's employees, as well as their readiness to drive forward highly innovative topics with their customers, is a guarantee for mutual success.

IMR工厂自动化有限公司是一家制造工艺流程自动化领域的领先企业。多年的应用技术解决方案经验充分证明了这家企业在机器人、3D图像识别、处理和传输技术等特殊机械制造方面的卓越能力。

IMR技术集团生产制造的其它业务领域还包括：

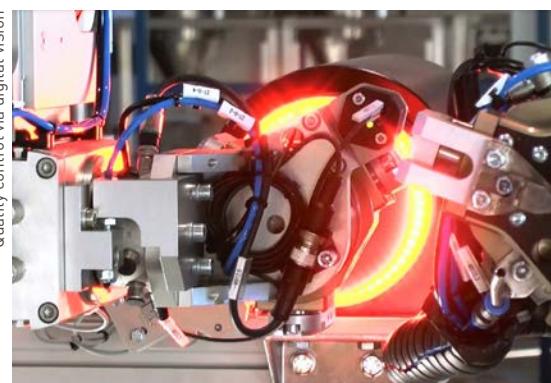
- 用于3D打印的铝金属粉末（AM）
- 为化学和汽车供应市场生产锌和锡粉
- 电镀行业用阳极，热浸镀锌和带钢镀锌合金。

全体公司员工拥有丰富的经验，他们也愿意与客户一同致力于推动高度创新议题的进程，两者是铸造共同成功的强有力保证。

Robotics, manipulation of parts



Quality control via digital vision





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RESEARCH  
PRODUCTS

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Drawing on more than 40 years of experience and the industry's most comprehensive portfolio of power semiconductors, sensors and microcontrollers, Infineon is a leading supplier of system solutions for automotive electronics.

Following the motto "clean, safe and smart", concepts of future mobility feature prominently on Infineon's agenda. Infineon semiconductors support innovative automotive technologies in terms of

- optimisation of combustion engines,
- driver assistance systems through to autonomous driving,
- e-mobility and
- smart sensors.

The result: smart and comfortable next-generation vehicles with increased safety standards and reduced energy consumption.

凭借40多年的经验和业界最全面的功率半导体、传感器和微控制器产品组合，英飞凌科技股份公司已成为汽车电子系统解决方案的领先供应商。

在“洁净、安全和智能”的方针引领下，未来出行方案在英飞凌的发展计划中占据非常重要的地位。英飞凌半导体产品支持以下领域的创新车辆技术：

- 优化内燃发动机，
- 从驾驶员辅助系统一直到自动驾驶，
- 电动汽车，
- 智能传感器。

成果是新一代车辆：智能和舒适的汽车，具有更高的安全标准和更低的能耗。



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# **JOANNEUM RESEARCH ForschungsgmbH, DIGITAL – Institute for Information & Communication Technologies**

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The DIGITAL Institute is a reliable partner in the field of digital innovation and transformation and develops practice-oriented, high-tech solutions for various business sectors, including mobility and production.

The institute is well positioned in three areas of research into highly automated driving, which form the basis for the current development, simulation and validation of automated driving functions:

- HQ mobile mapping
- Automated map creation & update
- Robust multi-sensor localisation.

A further focus is placed on customer-specific innovations for manufacturing companies in the following areas: Industry 4.0, quality control, machinery monitoring and the interaction between man and machine.

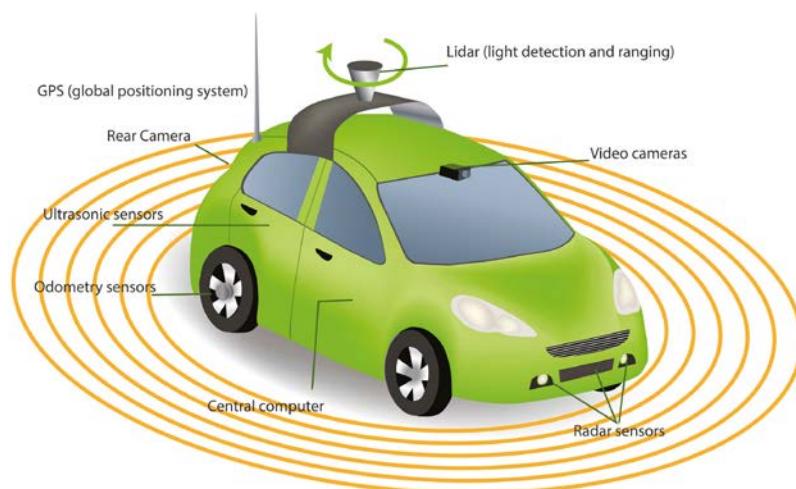
DIGITAL信息与通信技术研究所是数字创新和转型领域值得信赖的合作伙伴，为移动出行和生产制造等各种业务领域研发以实践为导向的高科技解决方案。

该研究所在三个高度自动化驾驶研究领域拥有领先实力，这些研究领域构成了当前自动驾驶功能开发、模拟和验证的基础：

- 高质量的移动道路测量
- 自动创建和更新地图
- 强大的多传感器定位。

除此之外，企业还十分关注制造企业在工业4.0、质量控制、机器状态监测及人机交互等领域的客户特定创新项目。

Foto: iStock



# JOANNEUM RESEARCH ForschungsgmbH, MATERIALS – Institute for Surface Technologies & Photonics

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The JOANNEUM RESEARCH develops solutions and technologies for commerce and industry in a wide range of fields and carries out advanced research on an international scale.

By focusing on applied research and technology development, the innovation company plays a key role in technology and knowledge transfer.

MATERIALS – the Institute for Surface Technologies and Photonics provides its customers access to the latest technologies required for implementing innovative products and services and is the first port of call for technology and process development in the following areas:

- Hybrid electronics and patterning
- Light and optical technologies
- Laser and plasma processing
- Sensors and functional printing

JOANNEUM研究协会有限公司在各个领域广泛为经济和工业研发解决方案与技术，并且开展具有国际水平的最尖端前沿研究。

这家研究机构专注于应用研究和技术研发，因此在技术转移和知识转化中发挥着关键作用。

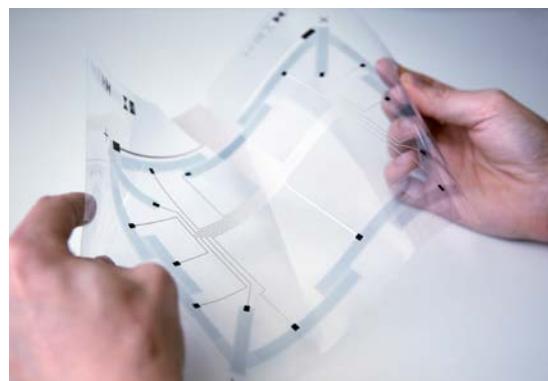
在强大的科研能力基础上，MATERIALS表面技术和光子学研究所为其客户提供最新技术途径，同时也是以下领域技术和工艺研发的排头兵：

- 混合电子技术和图案化
- 光和光学技术
- 激光和等离子技术
- 传感器和功能打印

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RESEARCH

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JOANNEUM RESEARCH Forschungsge-sellschaft mbH (JOANNEUM RESEARCH) is a leading business-oriented provider of innovation and technology. It is linked to a worldwide network and has been providing cutting-edge research on an international scale for almost forty years.

Research at the ROBOTICS institute is focused primarily on human-robot collaborations and interactions that occur in innovative production processes, as well as robot safety & security. In addition, mobile robots in the field of industrial manufacturing and logistics are important issues, as well as service robots in general.

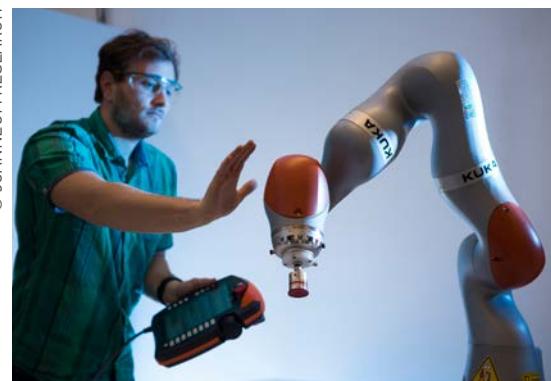
JOANNEUM研究协会有限公司（JOANNEUM RESEARCH）是一家领先的商业导向型创新和技术提供商。它与全球协作网络紧密合作，三十多年来一直开展具有国际水平的最尖端前沿研究。

ROBOTICS机器人与机电一体化研究所重点关注创新生产过程中发生的人机协作和人机交互的研究课题，以及机器人的安全性议题（人体健康、技术性的安全和政治社会性的安全）。此外，工业制造和物流领域的移动机器人，以及常见的服务机器人，均是研究所的研究主题。

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JOHANNES KEPLER  
UNIVERSITY LINZ

Johannes Kepler University Linz has an excellent experimental infrastructure in the field of automotive control. Various research and industrial projects focus on innovative control and information processing methods, for example for:

- predictive engine control or driving functions
- methods for danger assessment of driving assistance systems
- models of internal combustion engines and components
- optimal energy management for hybrid vehicles
- different virtual sensors
- fast measurement of emissions by a specially developed laser sensor
- online classification of traffic environment

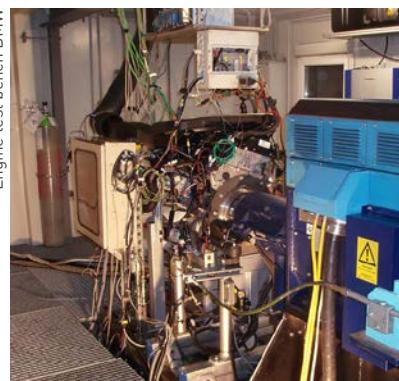
约翰内斯开普勒林茨大学机电系统设计与控制学院拥有汽车控制领域的优秀实验基础设施，研究和工业项目侧重于创新控制和信息处理方法，例如：

- 预见性发动机控制或驱动功能
- 驾驶辅助系统危险评估方法
- 内燃发动机和部件的各种型号
- 混合动力汽车的最佳能源管理
- 不同的虚拟传感器
- 通过自行开发的激光传感器进行快速排放测量
- 交通环境的在线分类

Test vehicle BMW



Engine test bench BMW



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PRODUCTS  
ENGINEERING

Founded in 1968, KEBA is an internationally successful electronics company based in Linz, Austria, and with branches throughout the world. KEBA develops and produces innovative automation solutions for industrial, banking, service and energy automation.

Since 2009 KEBA has been active in the area of e-mobility and has already sold more than 45,000 charging stations worldwide. The company is a cooperation partner of the BMW Group and produces the latest BMW i wallbox. KEBA's own wallbox, KeContact P30, is an intelligent charging station that can be easily integrated into smart homes or back-end systems and, thanks to the billing possibility, is then a communication centre for intelligently controlled charging.

KEBA股份公司成立于1968年，是一家成功的国际电子企业，总部位于奥地利林茨，同时在世界各地设有分支机构。KEBA公司为工业、银行、服务和能源自动化领域研发和生产创新的自动化解决方案。

自2009年以来，KEBA公司一直活跃在电动汽车领域，并已在全球销售超过45000个充电站。KEBA公司也是宝马集团的合作伙伴，负责生产最新的BMW i车型的Wallbox充电系统。KEBA公司自己研发生产的充电系统KeContact P30是一个智能充电站，可轻松集成到智能家居或后端系统中。该系统可轻松计量计费，因此也是智能控制充电的通信中心。





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### PRODUCTS

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kmb Metalltechnik, based in Vorchdorf in Upper Austria, is a family-owned and run company which has been concentrating on the development, production and marketing of high-quality vehicle and machine components for 30 years.

Automated serial production for the vehicle supplier industry: kmb Metalltechnik's production competencies include milling, turning, honing, TEM deburring, punching and bending, resistance welding, assembly and joining, as well as laser engraving and marking.

The customers - mainly companies in the vehicle supplier industry, as well as the engineering and rail vehicle industry - benefit from the development, design, production and quality control from a single source.

Further information:  
[www.kmb-technik.at](http://www.kmb-technik.at)

kmb金属技术有限公司的总部位于上奥地利州的福尔希多夫，是一家家族企业，由企业所有者负责经营，30年来一直致力于高品质车辆和机械零部件的研发、生产和销售。

在汽车供应商行业的自动化批量生产中，kmb金属技术有限公司可提供以下生产制造能力：铣削、车削、珩磨、热能去毛刺、冲压和弯曲、电阻焊接、装配和连接，以及激光雕刻和标记。

公司客户主要是汽车零部件供应商，以及来自机械制造和轨道车辆行业。这些客户均能从一揽子的研发、设计、生产和质量控制中受益。

更多信息请浏览：[www.kmb-technik.at](http://www.kmb-technik.at)



**Automotive**

Motor vehicles | Special motor vehicles | Trailers | **Constructional systems & body components** |  
Passenger compartment | Electronics | Power-train & chassis | Accessories | **Other vehicle parts** |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility

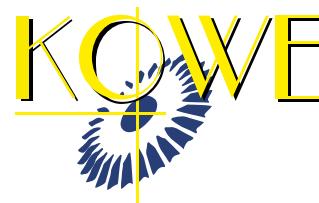


# KOWE CNC-Metallverarbeitungs GmbH

PRODUCTS

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KOWE has been a supplier to the automotive industry for many years. Cars and other transport systems all around the world contain turned and milled parts from KOWE. In particular luxury brands tailor their numbers to suit KOWE's manufacturing capacities.

Customers especially value the reliability, high quality of products and the flexibility of the company. Prototypes, components and serial parts are delivered continuously to the automobile industry. As the developers and designers cannot be production specialists as well, they often draw on the expertise of the experienced manufacturers.

科威数控机床金属加工有限公司多年来一直是汽车行业的零部件供应商。世界各地的汽车和运输系统都包含来自科威公司的车削和铣削零件。尤其是奢侈品牌，他们根据科威公司的生产制造能力来确定自己的产品数量。

客户尤其高度评价公司的可靠性、高质量意识和灵活性。企业不断向汽车行业交付各类样品、组件和批量零件。产品研发人员和设计人员往往并非生产方面的专家，因此他们常常乐于求助于经验丰富的科威公司，充分利用这一制造商的专业技术能力。





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

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Driven by the vision of integrating the electric drive in all areas of mobility, Kreisel Electric develops the lightest weight and most efficient battery solutions worldwide.

This technology has already been applied to cars, buses and trucks up to boats and airplanes as well as stationary storage. The special assembly and the innovative thermal management are determining the high-performance of Kreisel Electric's battery technology.

In order to meet the rising global demand for its unique battery solutions, Kreisel Electric opened its new high-tech development center and production line in Rainbach, Austria in 2017.

For more information visit  
[www.kreiselectric.com/en](http://www.kreiselectric.com/en)

Kreisel电气有限公司的愿景是将电驱动集成到所有移动领域中，在此目标的推动下，公司致力研发全球最轻、最高效的电池系统。

这些技术已经应用于从小汽车、公共巴士和卡车直至船舶、飞机以及固定存储系统等众多项目。特殊装配和创新的热管理是Kreisel公司电池技术高性能的关键因素。

为了满足全球范围对其独特电池解决方案不断增长的需求，Kreisel电气公司于2017年在奥地利赖恩巴赫开设了新的高科技术研发中心和生产线。

更多信息请浏览：  
[www.kreiselectric.com](http://www.kreiselectric.com)

Kreisel BatteryPack, © Kreisel Electric



MAVERO Energy Storage,  
© berge / Kreisel Electric



# LieberLieber Software

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**PRODUCTS**  
**ENGINEERING**



LieberLieber Software is a specialist in the field of model-based software engineering, offering specialized products and services to users of Enterprise Architect.

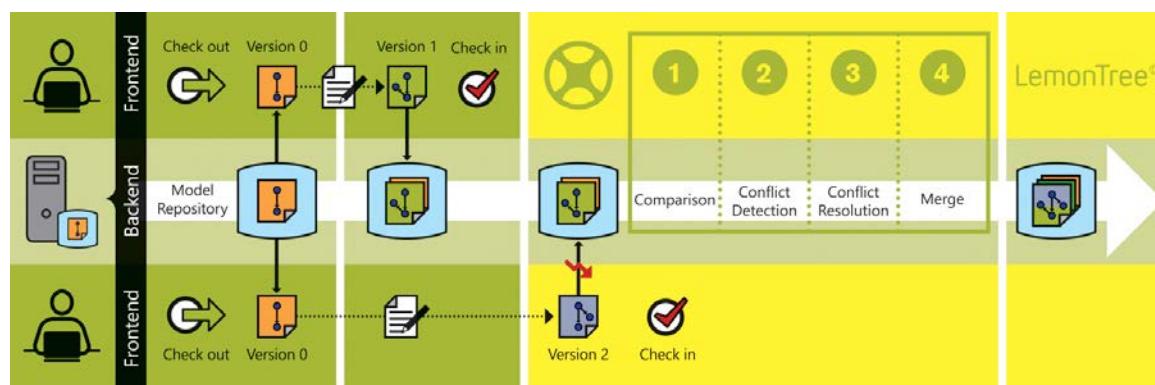
LieberLieber LemonTree is a fresh new model diff & merge tool that boosts productivity in the working environments of distributed development teams while supporting adherence to industry and regulatory standards.

LieberLieber represents a single source of competence for model-based software development and systems engineering, with years of experience in consulting, scope analysis and creation of individualized solutions, tool chain integration, specialized training and high-level support.

LieberLieber软件公司是软件工程领域的专家，在基于模型的开发框架下，提供Enterprise Architect软件的辅助产品以及在各种工业和应用领域的调适服务是其核心业务。

LieberLieber公司的LemonTree是研发出的一种全新的模型差异和合并工具，可大大提高分布式模型开发团队工作效率，同时可督促遵守行业和监管标准。

LieberLieber公司可以为客户提供基于模型的软件开发和系统工程方面的全套服务，包括：咨询、要求分析、个性化解决方案创建、现有工具链集成、量身定制的培训和全程支持。





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RESEARCH  
PRODUCTS  
ENGINEERING

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For more than 15 years LCM has been a research and development partner for national and international customers.

LCM provides support from the first conception of the idea and feasibility study to the development and introduction of series production. Mechatronics, an intelligent fusion of informatics, mechanics and electronics, is LCM's forte.

This specific knowledge forms the basis for collaborations in research and development and the foundation for the design of new smart, networked or autonomous systems for the manufacturing industry.

林茨机电一体化中心有限公司（LCM）超过15年来一直是国内外客户的研发合作伙伴。

从方案制定、可行性研究、开发直至量产初期支持，LCM公司可提供全流程的服务。机电一体化是信息学、机械学和电子学的智能融合，也是LCM公司的强项。

这些专有知识构成了研发合作的基础，也是制造业全新的智能、互联和自主系统设计的基础。



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# Magna Europe

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RESEARCH  
PRODUCTS  
ENGINEERING



Magna is the most diversified global automotive supplier. Magna designs, develops and manufactures automotive systems, modules and components, and engineers and assembles complete vehicles, primarily for sale to original equipment manufacturers ("OEMs") of cars and light trucks.

The company's competencies include the design, engineering, testing and manufacture of automotive seating, closures, body & chassis, vision systems, roof systems, electronics, exteriors and powertrain, as well as vehicle engineering and contract manufacturing.

Magna is a global network with more than 300 production sites worldwide and over 161,000 employees.

麦格纳公司是全球最多元化的汽车零部件供应商，产品和技术能力范围涵盖从零件、部件和模块的研发和制造、系统集成直至整车研发和制造，其产品主要销售给全球范围的汽车制造商。

公司的技术能力领域包括汽车座椅、闭锁系统、车身和底盘系统、视觉系统、车顶系统、电子系统、外饰、动力总成和全轮驱动技术的设计、研发、制造和测试，车辆研发和订单委托车辆生产制造。

麦格纳公司拥有全球网络，在世界各地拥有300多个生产基地，员工超过161000人。





## Automotive

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ENGINEERING

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The Magna Powertrain Engineering Center in St. Valentin is an internationally acknowledged engineering supplier. The company's extensive portfolio includes system engineering & architecture, the electrification of vehicles, vehicle, engine and drivetrain engineering, simulation- and testing services and technical application software, as well as prototyping & production.

An on-site proving ground for functional and endurance testing, 19 fully automated engine test benches, 1 high altitude test bench, 4 drive train test benches, a fatigue laboratory, and finally a 4WD chassis dynamometer for functional, NVH and emissions optimization make the ECS a full service supplier.

位于圣瓦伦丁的麦格纳动力总成工程中心是国际公认的工程供应商。公司广泛的产品组合包括系统工程和架构，车辆电气化，车辆、发动机和传动系统研发，模拟和测试服务，技术应用软件，以及生产制造和样品制造。

麦格纳斯动力总成工程中心是一家全方位的服务供应商，自己设有功能和耐久性测试的试验场、19个全自动发动机试验台、1个高空试验台、4个传动系统试验台、一个疲劳实验室，以及一个用于功能、NVH（噪声、振动与声振粗糙度）和排放优化的4WD底盘测功机。



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PRODUCTS  
ENGINEERING



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Over 100 years of experience in vehicle production and a broad range of services make Magna Steyr the worldwide leading brand-independent engineering and manufacturing partner for OEMs.

The range of services covers the following product groups:

- Engineering services: from systems and modules to complete vehicle engineering
- Contract manufacturing: world-class flexible solutions from niche to volume production
- Fuel systems: energy storage systems made of steel, plastic and aluminium.

11,000 employees support these services worldwide. Thanks to the global network of more than 30 locations on 3 continents, customer proximity is guaranteed.

凭借100多年的汽车生产制造经验和广泛的服务内容，麦格纳斯太尔公司成为汽车制造商在全球范围领先的独立品牌工程和制造合作伙伴。

产品和服务范围涵盖以下领域：

- 工程服务：从系统和模块直至整车的研发服务
- 合同制造：从小众订单生产到大批量生产的世界级灵活解决方案
- 燃料系统：由钢、塑料和铝制成的储能系统。

企业全球范围内的11000名员工为这些服务领域提供支持。遍布三大洲30多个地点的全球协作网络确保了麦格纳斯太尔公司始终保持贴近客户。





## Automotive

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## PRODUCTS

# MARK Metallwarenfabrik GmbH

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# MARK

MARK was founded in 1920 as a shoe eyelets manufacturer and is known for inventing the ski boot buckle.

Since the 1980s MARK has been a reliable business partner for the automotive industry. MARK products are also used worldwide in the medical, electronic, electro-technical and consumer goods industries. MARK employs around 450 people at two locations in Austria and one in Slovenia.

MARK is specialised in

- Deep drawing: precise deep drawn parts (diameter of 2 mm - 80 mm, length of max. 120 mm)
- Fully automated assembly: enabling further processing directly in-house of the deep-drawn parts
- 100% control and post-processing: highest quality guaranteed through an eddy current and optical controls via camera systems

MARK金属制品厂成立于1920年，最初是一家鞋眼制造商，因发明滑雪靴卡扣而闻名。

自20世纪80年代以来，MARK公司一直是汽车行业可靠的商业合作伙伴。MARK公司的产品还广泛用于医疗、电子、电子技术和消费品行业。企业在奥地利两地和斯洛文尼亚一地拥有子公司，员工人数约为450名。

MARK公司的专业领域：

- 深拉伸：精确的深拉部件，直径2毫米 – 80毫米，长度最大为120毫米
- 全自动装配：可直接在深拉部件内部做进一步加工
- 100%控制和后处理：通过摄像系统的涡流和光学控制，保证最高质量



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# Maschinenfabrik Liezen und Gießerei Ges.m.b.H.

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Maschinenfabrik Liezen und Gießerei Ges.m.b.H. (MFL) has approximately 800 employees and specializes in the engineering, construction and manufacturing of complex machines and plants. As an Austrian quality manufacturer, MFL can boast a history of more than 70 years and is valued by customers and suppliers as a reliable partner.

MFL, including its foundry, mechanical engineering, sawing and milling technology and special machinery divisions, is part of the powerful MFL Group, which is represented in over 50 countries worldwide by distribution partners and sales offices. The network of services within the Group provides many synergies which create significant added value for its customers.

利岑机器厂和铸造厂有限公司（MFL）拥有约800名员工，专门从事复杂机器和设备的工程、设计和制造。作为奥地利的优质制造商，MFL公司拥有70多年的历史，是客户和供应商公认的可靠合作伙伴。

利岑机器厂和铸造厂及其铸造、机械制造、锯切、铣削技术和特种机械部门均是强大的MFL集团的组成部分。MFL集团在全球50多个国家拥有经销合作伙伴和销售办事处。集团内部的服务网络形成各种协同效应，为客户创造显而易见的附加值。





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PRODUCTS  
ENGINEERING

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**MATTRO**  
Driven By EcoLogic

Since it was founded in 2006, MATTRO has been committed both out of conviction and with passion to the development of eco-friendly and electric mobility concepts.

Because the company believes in and takes responsibility for a future worth living, focus is placed on innovative solutions with high standards of sustainability, quality and meaningfulness.

The product portfolio ranges from lithium-ion batteries to reliable electronic components and robotic platforms, as well as distinctive tracked vehicles like the Ziesel for use in tourism, in the disability sector and also in forestry and agriculture.

MATTRO生产有限公司自2006年成立以来，一直坚定不移地致力于研发环保型的和电驱动的汽车方案。

公司推崇并坚持对未来生活负责的理念，将重点放在可持续性、高质量和有意义的高标准高要求创新解决方案上。

产品系列包括锂离子电池、可靠的电子元件、机器人平台，以及终极改装版轮椅Ziesel等独特的履带式车辆，产品可用于旅游、残疾人出行及农林业。

The Bock. An adaptable robotic platform.



## **Automotive**

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# Matzinger Performance GmbH

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Matzinger Performance有限公司是曲柄传动部件的研发和制造合作伙伴，在该领域拥有20多年的专业经验。

一系列世界领先的国际赛车运动公司和发动机供应商，包括美国纳斯卡车赛（NASCAR）、世界一级方程式锦标赛（F1）和世界摩托车锦标赛（MotoGP）以及巡回赛车系列赛都受益于该公司的服务。

Matzinger Performance公司专注于曲柄连杆部件的研发、设计和制造，包括连杆和曲轴。公司提供的产品范围从要求非常苛刻的小批量系列项目到职业汽车运动中的高性能发动机，还包括独特经典老车的个性化整修重建项目。

Matzinger Performance is a development partner and supplier of cranktrain components with more than 20 years of experience in this field.

Leading international motorsport firms including engine suppliers such as NASCAR, F1 and MotoGP, as well as Touring Car series benefit from the company's services.

Matzinger Performance specializes in the development, design and manufacture of cranktrain components such as connecting rods and crankshafts.

The spectrum of products ranges from demanding niche series projects to high-performance engines in professional motor sports, but also includes individual projects for exclusive, historical reconstructions.





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

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Melecs electronics plant Siegendorf (EWS) has a turnover of 217 million euro. It is therefore the largest electronics manufacturing service provider (EMS) with Austrian roots and has more than 25 years of experience.

The strategic focus is on the development, validation and production of electronic control units. Melecs concentrates on innovative solutions tailored to meet its customers' requirements, such as in the areas of all-wheel drive controls and LED lighting on vehicles.

In addition to its Austrian sites, Melecs has factories in Györ/Hungary and Wuxi/China.

美乐科斯西根道夫电子工厂（EWS）的营业额为2.17亿欧元，是具有奥地利血统的最大的电子制造服务提供商（EMS），拥有超过25年的行业经验。

企业的战略重点是电子控制单元的研发、验证和生产。Melecs公司专注于为满足客户需求而量身定制的创新解决方案，例如全轮驱动控制和车辆LED照明系统。

除了在奥地利的多个生产基地之外，Melecs公司还在匈牙利的杰尔市和中国的无锡市设有工厂。



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## **Meritor GmbH**

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Located in Steyr, Upper Austria, Meritor GmbH (formerly GHM Transmission GmbH) is specialised in automotive powertrain solutions for commercial vehicles in global markets.

In addition to the transfer case series MTC25, MTC60 and RTC50, the engineers at Meritor GmbH focus on customized solutions - from prototype to serial production.

As a part of Meritor ([www.meritor.com](http://www.meritor.com)), the Austrian division offers a comprehensive portfolio of powertrain solutions including axles, single-wheel suspension, transfer cases and special gearboxes with best-in-class service and global coverage.

美驰有限公司（前身为GHM传动有限公司）位于上奥地利州斯太尔，是一家在全球范围开展业务的企业，作为合作伙伴为知名的动力总成系统和车辆制造商提供解决方案。

除了分动箱系列MTC25、MTC60和RTC50外，美驰有限公司的工程师还专注于客户定制的研发和解决方案--从样品到批量生产。

美驰集团 ([www.meritor.com](http://www.meritor.com)) 下属的奥地利分公司为量产车和特种车辆提供全面的动力总成解决方案组合，包括车轴、单轮悬架、分动箱和专用变速箱。企业以一流的服务和全球覆盖的网络广受客户的青睐。





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PRODUCTS  
ENGINEERING

# Miba Coating Group - High Tech Coatings GmbH

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*Innovation in Motion*



The Miba Coating Group is the specialist in innovative coating solutions. Among other things, the High Tech Coatings GmbH specialises in functional coatings for NVH optimisation (noise, vibration, harshness), improving tribological properties and also for friction enhancement of connection elements.

The team of MIBA tailors each coating to the application in question. By working as part of an extensive network of internal and external partners, the company steadily build its know-how base and pushes ahead with development of new coatings.

米巴涂料集团是创新涂层解决方案的专家。下属的高科技涂料有限公司专门研究用于NVH优化（噪音、振动、粗糙度）的功能性涂料，改善摩擦学性能，并且增加连接元件的摩擦。

米巴公司团队按照客户需求，根据各种用途来定制每种涂料。借助于企业内外合作伙伴的广泛网络，米巴涂料集团稳步不断扩大专有技术的基础，并推动新涂料的研发。



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RESEARCH  
ENGINEERING

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As an internationally recognised research institution for polymers with more than 45 years of experience, the main task of the Department of Polymer Engineering and Science is, in addition to the specific training of polymer engineers, application-oriented research and cooperation with industry.

The Department's portfolio covers all areas, from the raw materials to the finished product. These range from the development of innovative hybrid materials for automotive structural components, combining the advantages of different materials, to the evolution of industrial additive production technologies for the production of technical components made of high-performance polymers, and a wide range of test methods.

莱奥本矿业大学高分子工程与科学系是国际公认的聚合物研究机构，拥有超过45年的经验。其主要任务除了聚合物工程师的专业培训之外，还致力于以应用为导向的研究和与行业的紧密合作。

高分子工程与科学系的产品组合涵盖从原材料到成品的所有领域，包括：针对汽车结构部件的创新混合材料研发，结合不同材料的优点，使用行业成熟的增材制造技术来生产高性能聚合物技术部件，以及各类检测和负载试验方法。

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## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility

## PRODUCTS

# M-U-T Maschinen - Umwelttechnik - Transportanlagen Gesellschaft mbH

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M-U-T is an Austrian manufacturer of machinery and plants in various fields of environmental technology, water and waste water technology, conveying technology and, above all, in municipal vehicle construction.

With this cross-sectoral know-how and more than 80 years of experience, the company produces high quality products "made in Austria".

M-U-T's product range of municipal vehicles covers all requirements: e.g. waste collection trucks with rotating drum or compressing plate and integrated bin washing system; road sweepers for highways, construction sites and other highest demands, as well as variously equipped sewer cleaning vehicles.

M-U-T机械-环境技术-运输装备有限公司是一家奥地利机械和设备制造商，致力于环境技术、水和废水处理技术和输送技术，特别关注市政车辆的设计制造。

凭借跨行业的专业知识和80多年的从业经验，公司生产“奥地利制造”的高品质产品。

M-U-T公司的市政车辆产品系列可满足客户的所有要求。例如：带旋转滚筒或压缩板的垃圾收集车、集成式垃圾箱清洗系统；高速公路、建筑工地和其它最高要求的道路清扫车，以及带有各种装备的下水道清洁车。



## **Automotive**

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# **NEXTSENSE GmbH**

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PRODUCTS

# **NEXTSENSE**

NEXTSENSE is a world leader in the production and distribution of innovative systems for profile measurement and surface inspection. All systems are based on non-contact measurement technology so as to completely exclude user influences. This special feature leads to diverse applications, such as gap measurement in automobile coachwork, wear measurements of railway wheel profiles and surface inspections of steel beams.

The reference list extends from renowned automobile manufacturers (Volkswagen, Toyota, General Motors, etc.) to railway companies and steel producers such as Deutsche Bahn, ArcelorMittal and voestalpine. NEXTSENSE is based in Austria and is represented worldwide by more than 40 distribution partners, as well as a branch in USA.

在用于轮廓测量和表面检测的创新系统领域，NEXTSENSE有限公司是生产和销售的全球市场领导者。企业的所有系统均基于非接触式的测量技术，可完全排除用户的人为影响。这一特殊功能的应用极其广泛，例如：汽车车身间隙测量、铁路车轮轮廓的磨损测量和钢梁的表面检测。

企业的客户包括知名汽车制造商（大众汽车、丰田汽车、通用汽车等）、铁路公司和钢铁制造商，如德国铁路、安赛乐米塔尔和奥钢联等。NEXTSENSE公司总部位于奥地利，在全球拥有40多个经销合作伙伴，并在美国设有一家分支机构。





## Automotive

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RESEARCH  
PRODUCTS

# NRG-X Charging Systems GmbH

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NRG-X is the first fully automatic, high power charging solution for electric vehicles. It represents a ground-breaking approach that is redefining the charging process with a special focus on future autonomous driving electric vehicles. NRG-X provides efficient, high power energy transfer, has a great range of parking tolerance and can be simply retrofitted/implemented to almost every electric vehicle.

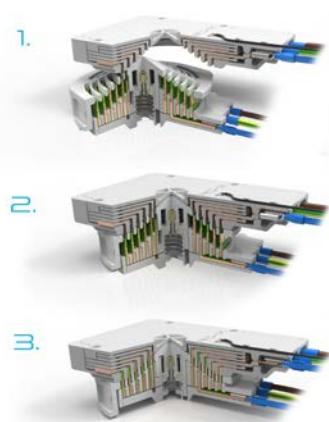
The highly advanced, self-aligning connector of the NRG-X base unit automatically connects to the hand-sized vehicle unit guided by an ultrasound system.

The company's customers already include the leading German premium OEMs.

NRG-X是第一款用于电动汽车的全自动高功率充电解决方案。它是突破性技术的代表，重新定义了整个充电过程，将关注焦点投射于未来的自动驾驶电动汽车。NRG-X可实现高效、高功率的能量传输，具有很大的停车容差范围，可以简单地改装/运用在几乎所有电动车辆上。

NRG-X高度先进的自对准连接器基本单元可由超声系统引导，自动连接至手掌大小的车辆单元。

NRG-X有限公司的客户中已包括世界领先的德国高端原始设备制造商。



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# OBRIST Powertrain

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RESEARCH  
PRODUCTS  
ENGINEERING



OBRIST Powertrain is an Austrian power-house which focuses on the development of key components for hybrid electric and battery-powered vehicles, offering scalable solutions for a variety of requirements, from affordable mass market mobility solutions, to solutions for the premium segment.

With 20 years of experience in the development of automotive powertrain systems, waste heat recovery and thermal management, the company has widespread knowledge in hybrid vehicle strategies and the OEM's demand to meet future emission targets.

150 internationally active patents and the expansion of the customer field from Germany to the entire world indicate a strong and innovative business partner.

OBRIST动力传动系统公司是一家奥地利企业，专注于研发混合动力汽车和电池驱动汽车的关键部件，提供可满足各种要求的可扩展解决方案，从经济实惠的大众市场移动解决方案到高端市场的解决方案，一应俱全。

OBRIST动力传动系统公司在车辆动力总成系统研发、余热回收和热管理方面拥有20年的经验，并可利用其广泛的行业专有知识，帮助客户制定混合动力汽车战略，协助原始设备制造商实现未来的排放目标。

公司的150项国际专利和从德国到全球的客户网络拓展充分表明这家企业是众多行业客户强大且具有创新能力的商业合作伙伴。



ZV-Generator  
The Zero Vibration engine



## Automotive

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PRODUCTS  
ENGINEERING

# PAYER International Technologies GmbH

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The PAYER Group has set itself the task of bundling the different technologies and competences of the product design process into a comprehensive service portfolio so they can realize the product ideas of their customers. PAYER has been able to apply its more than 60 years of know-how and expertise in conception, development, tool making, plastics and metal processing, as well as assembling, to various sectors of industry.

In addition, the global structure of the PAYER Group enables the utmost flexibility and efficiency. This results in excellent product solutions with a relevant plastics content, solutions which form a bond between the company and its prestigious clients which goes beyond their mutual success.

PAYER集团致力于将产品设计流程的不同技术和能力汇聚在综合的服务组合中，帮助客户实现各类产品方案。PAYER公司已将其在方案设计、研发、工具制造、塑料和金属加工以及装配等方面60多年的专业知识和经验应用于各大行业。

此外，PAYER集团所拥有的全球网络架构可实现最大的灵活性和最高的效率。企业可为不同客户打造含有特定塑料成分的优质产品解决方案。这些解决方案在PAYER公司和其知名客户之间形成了一种紧密联系，超越了他们所共同取得的成功。



## **Automotive**

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# PIA Automation Austria GmbH

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PIA Automation is an international group of companies (10 locations worldwide with 1,250 employees) and offers technically complex and economically efficient solutions in automation.

PIA develops and manufactures customized assembly, measurement and testing systems for the automotive industry (in particular powertrain and e-mobility), the electronics and consumer goods industries, as well as for medical technology, pharmaceuticals and renewable energy. Its services range from manual assembly workstations to fully automated production lines.

PIA takes account of the trend in the digitisation of the manufacturing processes with its own "Industrie 4.0" solutions, which enable advanced control and optimisation of the production chain.

PIA自动化技术公司是一家国际化集团公司，在全球设有10家企业，拥有超过1250名员工，可提供技术复杂、经济高效的自动化解决方案。

PIA公司为汽车行业（特别是动力总成和电动汽车）、电子和消费品行业及医疗技术、制药和可再生能源领域研发和制造客户定制的装配、测量和检测系统。企业的服务范围涵盖很广：从手工操作的装配工作站到完全自动化的生产线。

PIA公司着眼于制造工艺流程的数字化趋势，制定了自身的“工业4.0”解决方案，这些方案可实现对生产链的调控和优化。





## Automotive

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### PRODUCTS

## Pollmann International GmbH

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Pollmann International is a family business which is active in the international automotive industry and has more than 125 years of experience specializing in the large-volume production of highly complex mechatronic modules.

The company's expertise includes design and development, prototyping, toolmaking and equipment automation. With its in-house development and manufacturing know-how and capacities, including large-scale production, Pollmann can be flexible in responding to customer needs. The company is known for its excellence in process innovation and collaborates with international customers in Europe, the U.S. and Asia, often assisting them down to the details of their production logistics.

Today almost every car brand includes components made by Pollmann. The company has become the market leader for sunroof kinematics and electromechanical door lock housings.



Pollmann国际有限公司是一家活跃在国际汽车行业内的家族企业，拥有超过125年的经验，专门从事高度复杂的机电一体化模块的批量生产。

公司可以将自身研发和制造的专业知识和技术能力应用于从设计和研发、样品设计、工具制造和设备自动化直至大规模生产的各个方面，灵活地响应客户需求。公司以其卓越的工艺创新而闻名，并与欧洲、美国和亚洲的国际客户合作，为这类客户提供各种协助，甚至深入客户的生产物流环节。

如今，全球范围的几乎每个汽车品牌都包含了Pollmann公司制造的部件。公司已成为天窗运动机构和机电门锁市场的领导者。

## **Automotive**

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# Pöttinger Landtechnik GmbH

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PRODUCTS

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PÖTTINGER is an Austrian family-owned company which contributes to the sustainable increase in effectiveness, efficiency and quality in agricultural production and which sees itself as a partner upon which its customers can rely.

PÖTTINGER is expert in grassland (mowers, tedders, rakes, loader wagons and round balers), tillage (ploughs, cultivators and rotary harrows) and seed drill technology with outstanding results.

The traditional company is the global market leader for loader wagons. Almost 90% of turnover is generated abroad.

博田农机有限公司是一家奥地利家族企业，致力于农业生产的有效性、效率和质量的可持续提升，将自己定位为客户提供可以信赖的合作伙伴。

博田公司是草地技术（割草机、摊草机、搂草机、装载机车和圆形打捆机）、耕作技术（犁、松土耙和旋耕耙）和播种技术的专家，各类产品均拥有出色的表现。

这家历史悠久的传统企业是装载车的全球市场领导者。公司90%的营业额来源于海外市场的销售业绩。

Mower: NOVACAT S12



Loading wagon: FARO 4010 COMBILINE





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

## Pro Automation GmbH

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The future starts here!

ProAutomation is a young and successful company specialising in robotics and automation technology.

Today robots make production easier and manufacturing facilities safer while ensuring constant product quality. ProAutomation is committed to designing the most innovative solutions in the automation industry, developing new technologies that integrate complex robotic, control and quality concepts with advanced techniques of image processing.

The company's mission is to develop efficient automation solutions that increase manufacturing flexibility, improve productivity and support the growth of the customers, at the same time meeting their needs at the highest level of excellence.

未来从这里起步！

Pro自动化技术有限公司是一家年轻而成功的企业，专注于机器人和自动化技术。

如今的机器人让生产变得更加容易，使生产设施更安全，同时也可确保产品质量稳定。Pro自动化技术有限公司致力于设计自动化行业中最具创新性的解决方案，研发将复杂的机器人、控制和质量方案与先进的图像处理技术相结合的新技术。

公司的使命始终十分明确：研发高效的自动化解决方案，增加制造灵活性和提高生产力，从而支持客户的业绩增长，满足他们最高水平的需求。

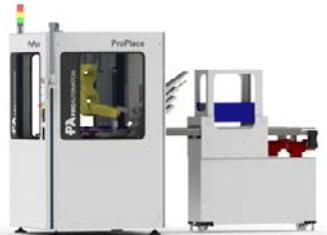
PROCELL



ProModule



ProSolution



## **Automotive**

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | Electronics | Power-train & chassis | Accessories | **Other vehicle parts** |  
Machinery and systems for the automotive industry | **Engineering** | Autonomous driving | **E-Mobility**



# **Radkersburger Metal Forming GmbH**

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However complex or sensitive a technical project may be, in more than six decades Radkersburger Metal Forming (rm) has acquired the experience and technical facilities to turn even the most difficult projects into reality and has earned itself a reputation throughout Europe as a specialist in seamless metal-forming.

The company's core skills include metal forming techniques such as metal spinning, deep-drawing and hydro-mechanical deep-drawing (external/internal high-pressure forming), as well as additional operations such as turning, milling, welding, grinding and polishing, through to complete structural component assembly.

The most recent reference project is the development of an air suspension piston with a three-chamber air system which is already being produced in series by rm.

六十多年来，无论是复杂还是敏感的技术项目，拉德克斯堡金属成形有限公司（rm）凭借丰富的经验和完备的技术设施，总能将最困难的项目变为现实。企业作为无缝金属成形的专家，在整个欧洲范围赢得了良好的声誉，是从草图到成品全过程值得信赖的合作伙伴。

企业的核心技术能力包括金属成型技术（如金属压制、深拉伸和水力机械深拉（外部/内部高压成型））、其它加工技术（如车削、铣削、焊接、研磨和抛光），以及完整的结构部件组装。

公司近期开发了一种带有三室空气系统的空气悬架活塞，该系统目前正由拉德克斯堡金属成形有限公司进行量产。





## Automotive

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PRODUCTS  
ENGINEERING

## Raytech VertriebsgmbH

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# Raytech

Raytech is a group of international production and trading companies, offering power distribution boxes, instrument panels, connectors and environmental sealed cable harnesses.

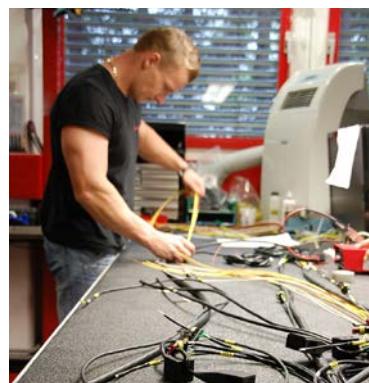
Through its excellent engineering capability supported by a 6,000 m<sup>2</sup> warehouse and in-house connector assembly, as well as over 25 years of experience in the military sector, Raytech brings its expertise in total connectivity solutions to the automotive and motorsport industries, supporting unique vehicles throughout the platform's lifecycle, regardless of where the system was originally built or shipped.

Benefit from the advantage of obtaining engineering, warehousing and production all from a single source.

Raytech销售有限公司是一家国际化的生产和贸易集团，是配电箱、仪表板、连接器和环境密封的电缆线束领域的领先制造商。

Raytech公司拥有出色的工程技术能力，面积达6000平方米的仓库以及自己的连接器装配线，另外，公司在军事领域拥有超过25年的行业经验。Raytech公司将上述硬件和能力优势结合起来，为汽车和赛车行业的电气连接提供全方位的解决方案，针对特殊车辆给予整个平台生命周期的支持，不论系统最初建造或使用的地点在哪里。

企业客户可获得一站式的服务，尽享从设计、研发、快速供货直到生产的全部优势。



**Automotive**

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# Reform-Werke Bauer & Co. GmbH

PRODUCTS

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REFORM – a strong partner.

The acknowledged expert in municipal technology, embankment and road maintenance, intensive lawn care, horticulture and landscaping since 1910.

Innovative quality solutions help to preserve a liveable environment. REFORM is the expert for steep slopes. Therefore the customer experiences the best possible safety on extreme terrain. REFORM machines are distinguished by their compact design, low dead weight and excellent soil protection.

REFORM 4-wheel steering allows formidable agility within the smallest area. REFORM is the partner for all year round operation, offering solutions tailored to the customer's requirements.

REFORM公司—您强有力的合作伙伴。

自1910年以来，Reform-Werke Bauer&Co.有限公司一直是市政技术、堤防和道路养护、草坪精细养护、园艺和园林绿化领域公认的专家。

创新的高品质解决方案为我们保持宜居环境提供了强有力的保障。REFORM公司不惧悬崖峭壁，是应付此类特殊地形的行业领导者。客户在极端地形上仍能体验到最佳的安全性。REFORM公司的机械设备以其紧凑的设计、低自重和出色的土壤保护功能而著称。

实践证明，REFORM四轮转向系统可在最小的区域内实现高度的灵活性。企业全年运营，是您每时每刻的理想合作伙伴，可根据客户要求提供量身定制的解决方案。





## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components | Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts | Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility

RESEARCH  
PRODUCTS  
ENGINEERING

# REMUS-SEBRING Unternehmensgruppe

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The REMUS-SEBRING group of companies is a development partner and original equipment manufacturer (OEM) for the international automotive industry and develops and produces for companies such as Mercedes AMG, Ducati, McLaren, Bentley, Lamborghini or Porsche.

In addition to the OE business, high quality, after-sales exhaust systems for just about every car and motorcycle are produced at the company's site in Barnbach and exported to more than 60 countries worldwide.

Besides the manufacturing of silencers and exhaust systems for cars and motorcycles, research and development are also core competence areas of the group.

REMUS-SEBRING集团公司是国际汽车行业的研发合作伙伴和原始设备制造商，为梅赛德斯AMG、杜卡迪、迈凯伦、宾利、兰博基尼和保时捷等公司进行研发和生产。

除了原始设备（OE）业务外，公司位于巴恩巴赫的工厂生产几乎所有汽车和摩托车的高质量售后排气系统，产品同时出口到全球60多个国家。

除了制造汽车和摩托车的消音器和排气系统外，研发也是集团公司的核心竞争力领域。



**Automotive**

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## Rico Elastomere Projecting GmbH

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Rico is a solution provider in development, tool making, prototypes, zero series, automation and serial production for components and product lines made from LSR, HTV and multi-component-material combinations, for example hard-soft-connections (thermoplast & LSR), LSR & LSR or coating of inserts.

As one of the technological leaders in tool making for the product range LSR and 2K, Rico offers the possibility of the technological acquisition of tools on one hand and the efficient production of components/product lines from this technological range on the other.

Rico is certified according to ISO 14001:2004, ISO 9001:2008, ISO/TS 16949:2009

Rico弹性体投射有限公司是研发、工具制造、样品、零系列、自动化和批量生产的解决方案提供商，用于液态硅胶（LSR）、高温硫化硅胶（HTV）和多组分材料组合制成的组件和产品系列，例如硬软连接（热塑性塑料和LSR）、LSR和LSR以及插件涂层。

作为LSR和2K产品系列工具制造领域的技术领导者之一，客户可向Rico公司直接采购工具技术，也可委托企业在其技术范围内进行高效的生产组件/产品线生产。

Rico公司已通过ISO 14001: 2004、ISO 9001: 2008和ISO / TS 16949: 2009等质量管理体系的认证。

RESEARCH  
PRODUCTS  
ENGINEERING





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

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Rosenbauer is the world's leading manufacturer of systems for firefighting and disaster protection.

The company develops and produces vehicles, fire extinguishing systems, equipment and telematics solutions for professional, industrial, plant and volunteer fire services, as well as systems for preventive firefighting. The products, which are manufactured in Europe, the US and Asia, meet all main standards. The Group has an active service and sales network in over 100 countries.

The listed family company is in its sixth generation and has been serving fire departments for 150 years. In 2016, the Rosenbauer Group generated 870 million euro.

卢森宝亚国际股份公司是世界领先的消防和灾害防护系统制造商。

公司为专业、企业、工厂和志愿消防队研发和生产车辆、灭火系统、装备和远程信息处理解决方案，并且为预防性消防系统提供设备。这些产品在欧洲、美国和亚洲的各大生产基地生产，符合所有最重要的行业标准。集团在100多个国家设有积极活跃的服务和销售网络。

这家上市的家族企业已经迎来第六代掌门人，企业为消防部门服务的历史长达150年。卢森宝亚集团2016年的营业额为8.7亿欧元。



## **Automotive**

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# Rosendahl Nextrom GmbH

PRODUCTS

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Rosendahl Nextrom is a global leader in battery (BM-Rosendahl), cable & wire (Rosendahl) and optical fibre (Nextrom) production technologies. The BM-Rosendahl portfolio ranges from enveloping/wrapping and stacking, cast-on- strap to the assembly of automotive, motorcycle, industrial, and e-mobility batteries.

Rosendahl is a leading global supplier of production technologies for cables and wires. Nearly every conventional and even electric car contains cables which are processed on Rosendahl lines. Rosendahl is an expert in industrial extrusion technology.

As an experienced partner, the company provides high-quality solutions and personal support from the very first contact onwards.

Rosendahl Nextrom有限公司是电池（BM-Rosendahl）、电线电缆（Rosendahl）和光纤（Nextrom）生产技术的全球领导者。BM-Rosendahl产品系列从包络机/包装机和堆码机到汇流排铸焊设备，直至用于汽车、摩托车以及工业电池和电动汽车电池的电池组装。

Rosendahl公司是全球领先的电线和电缆生产技术供应商。几乎所有传统汽车和现代电动汽车都有Rosendahl生产线加工的电缆。Rosendahl公司是工业挤出技术领域的专家。

作为经验丰富的合作伙伴，Rosendahl Nextrom公司从首次接洽开始就能始终如一地为客户提供高质量的解决方案和贴心的个性化支持。





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## RESEARCH

# RTA Rail Tec Arsenal Fahrzeugversuchsanlage GesmbH

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The largest climatic wind tunnel in the world has been in operation in Floridsdorf, Vienna, since 1 January 2003. Every weather condition in the world can be reproduced at the push of a button in the 65 million euro high-tech plant. The possibilities range from arctic cold at minus 45 ° C to tropical storms at plus 60 ° C - anything is possible.

Railway vehicles from every country in the world are tested in the two climate tunnels. Technicians control the operation of the heating, ventilation and air conditioning systems, as well as the functioning of important parts of the train such as doors, brakes and windscreens wipers. International manufacturers of buses, trucks and passenger cars, as well as aviation and engineering firms, make use of the RTA facilities.

自2003年1月1日起，世界上最大的气候风洞已经在维也纳弗洛里茨多夫的阿森纳尔铁路技术试验中心实验室开始运营。只要按下价值高达6500万欧元高科技设备的按钮，就可以重现世界上任何一种天气条件，从零下45° C的北极极寒到零上60° C的热带风暴--一切皆有可能。

来自世界各国的铁路车辆在两个气候风洞试验室中接受测试。技术人员一边控制加热、通风和空调系统的运行，一边监测列车重要部件的功能，如：门、制动器和挡风玻璃刮水器。此外，公共巴士、卡车和乘用车的国际制造商以及来自航空和建筑工程领域的国际制造商都在使用阿森纳尔铁路技术试验中心实验室的设施。

Windscreen wiper tests © Mercedes-Benz



Winter tests on busses ©RTA



## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

**RÜBIG**  
DRIVING SUCCESS

Since 1946 RÜBIG has developed from a die forging company to become an internationally successful metal competence centre.

RÜBIG Heat Treatment is expert in the heat treatment of steel and aluminium and provides individual solutions for customer-specific heat treatment requirements.

RÜBIG Engineering produces premium plasma and gas nitriding furnaces, as well as plasma-assisted coating furnaces.

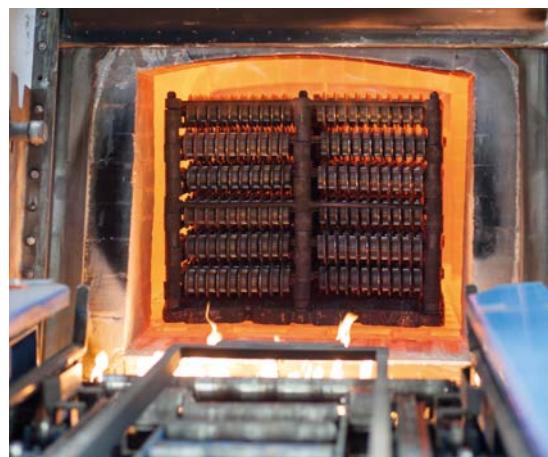
RÜBIG Die Forge manufactures linchpins and flat link chains, as well as custom parts based on customer designs and, if necessary, undertakes further processing steps.

自1946年以来，RÜBIG公司从一家模锻企业发展成为国际上成功的金属加工能力中心。

RÜBIG热处理公司是钢和铝材料热处理领域的专家，可根据客户的热处理要求提供个性化的解决方案。

RÜBIG工程公司生产高端优质的等离子和气体氮化设备，以及等离子辅助涂层设备。

RÜBIG模锻公司生产折叠式链板和扁平链条，此外也可根据客户设计图纸生产定制零件，并在必要时完成进一步的加工。





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RESEARCH  
PRODUCTS

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**SAG**  
Salzburger Aluminium AG

SAG produces high-performance materials out of aluminium for future-oriented, economical and environmentally-friendly solutions. The international family business optimizes high-quality aluminium components and plans and delivers turnkey plants and production lines.

The company with Austrian origin draws on an international pool of expertise and competence. Based on its many years of experience both in the material sector and in processing, SAG is constantly expanding its product portfolio.

For many years SAG has been successfully supplying international customers with unique and highly innovative products, including customers in the automotive, railway, aviation and mechanical engineering industries.

萨尔茨堡铝业股份公司 (SAG) 使用铝研发制造高性能材料，用于引领未来、经济环保的解决方案。这家国际化的家族企业致力于高品质铝制部件的优化和设计，为客户提供交钥匙工厂和生产线以及成品。

这家成立于奥地利的公司拥有国际性的专业知识和技术能力。SAG公司凭借其在材料领域和加工领域多年的经验，不断扩展自身的产品范围。

多年来，SAG公司一直成功为国际客户提供独特且极具创新性的产品，服务群体包括汽车、铁路、航空和机械工程行业的客户。



## **Automotive**

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PRODUCTS

# **Senoplast Klepsch & Co. GmbH**

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Senoplast and Senco (Europe) produce high-quality plastic sheets and films under the brand names senosan® and senotop® for applications in the automotive and commercial vehicles industries.

The new senotop® film with a thermo-formable hard coating makes products more resistant to scratches and chemicals. This new coating has also successfully passed the standard test procedures, the so-called "sun cream test" and the "Xenon weathering test". This means that no lacquer delamination occurs even under exposure to intense sunlight.

The market for this product are roofs and sun-roofs in the car exterior from window height upwards. Interior decorative trims can be fitted with an innovative lacquer coating in piano black.

Senoplast公司和Senco（欧洲）公司以senosan®和senotop®品牌生产高品质的塑料板材和塑料薄膜，用于汽车和商用车辆行业。

最新研发的senotop®薄膜采用可热成型的硬质涂层，使产品更耐刮擦，对于化学品的耐性也更高。这种新型涂料还成功通过了标准测试程序，即所谓的“防晒霜测试”和“氙气风化测试”。这意味着，即使产品暴露在强烈的阳光下也不会发生漆面分层。

该产品的目标市场是车窗高度以上的车辆部件，特别是车顶和天窗。内饰件可采用钢琴黑的创新漆面涂层。





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## PRODUCTS

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The company is one of the global leaders in the field of drive technology and is represented in 48 countries with more than 16,000 employees and a turnover of more than 2.5 billion euro.

Examples of industries which the company supplies are the automotive industry, the food and beverages industry, the transport and logistics branches, as well as wood and special machine construction.

### Products and services:

- Gears, engines, geared motors, industrial gearboxes, components for decentralised installation, inverter technology, servodrive technology, control technology
- Tailor-made, individual drive solutions
- Comprehensive service offers and service packages, from engineering to commissioning and maintenance

SEW Eurodrive有限公司是驱动技术领域的全球领导者之一，在48个国家拥有超过16000名员工，销售额超过25亿欧元。

公司为各个行业提供产品和服务，例如：汽车行业、食品和饮料行业、建筑行业、运输和物流行业以及木材和特种机械制造。

### 产品与服务：

- 变速箱、发动机、变速电机、工业齿轮箱、分散式安装组件、变频技术、伺服驱动技术、控制技术
- 量身定制的个性化驱动解决方案
- 从工程到调试运行和维护保养的全面服务和各种服务包



## SinusPro GmbH

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The SinusPro GmbH is an independent engineering office located in Graz and specialised in numerical calculation and simulation in powertrain.

Overview of the company's portfolio:

- Forging engineering:  
Sophisticated lifetime analysis by using forming simulations, material models, process optimisation
- Bearing engineering:  
17 years of experience in EHD-simulations, component tests, component design, supplier management
- Bionic engineering:  
Topology optimization, shape optimisation, additive manufacturing
- Basic engineering:  
General FEA, CFD and MBS calculations for engine components

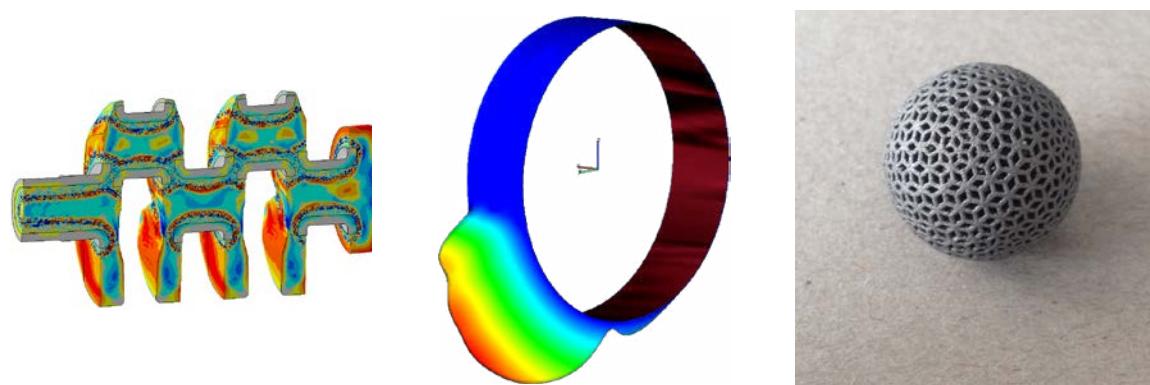
The distinguishing factor about SinusPro is that, in cooperation with the partner companies, all services come from a single source.

SinusPro有限公司是一家位于格拉茨的独立工程办公室，专门从事车辆研发中动力总成的数值计算和仿真。

公司产品范围涵盖以下业务领域：

- 锻造工程：使用成型模拟、材料模型、工艺优化和构件检测进行复杂的寿命分析
- 轴承工程：在电流体力学（EHD）仿真、部件测试、构件设计和供应商管理方面拥有17年的经验
- 仿生工程：拓扑优化、形状优化、增材制造/3D打印
- 基础工程：针对发动机部件的一般有限元分析（FEA）、流体动力学计算（CFD）和MBS计算

SinusPro公司与众不同的一点是：企业与合作伙伴紧密合作，为客户提供一站式全方位的服务。





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PRODUCTS  
ENGINEERING

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With a market share of more than 30%, SMC is the global market leader in drive and control technology for pneumatic and electrical systems. From media processing, control and sensor technology to vacuum technology and actuators, SMC's specialised products are used in all production cycles of a vehicle. The supplier industry also trusts in SMC'S extensive experience and benefits from their know-how in all areas of business.

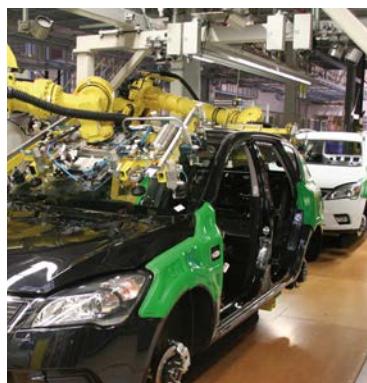
### Automotive:

- Media supply for robot cells
- PROFINET and PROFIsafe bus systems
- Safe valves for fully automatic production lines
- Air servo systems for robotic welding
- Power clamp cylinders for reliable securing of work-pieces
- Vacuum technology for handling systems
- Intelligent products for Industry 4.0

SMC气动元件有限公司是气动、电气系统驱动和控制技术的全球市场领导者，市场份额超过30%。从介质处理、控制和传感器技术到真空技术和执行器，SMC公司的专有产品可用于车辆的所有生产周期。SMC公司在各个业务领域的丰富经验和专业知识同时也赢得了零部件供应商的信赖。

### 汽车业务领域：

- 机器人单元的介质供应
- PROFINET和PROFIsafe总线系统
- 全自动生产线的安全阀
- 用于机器人焊接的空气伺服系统
- 可确保工件可靠固定的动力钳装置
- 处理系统的真空技术
- 适用于工业4.0的智能产品



**Automotive**

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## SSA Europe Ges.m.b.H.

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RESEARCH  
PRODUCTS



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SSA Europe Ges.m.b.H. is a highly efficient supplier of technical adhesive tapes and their resulting fabrication into stamped and die-cut parts, sealing tapes, foam and cellular rubber stamped parts and profiles, surface protection films, labels and belt fasteners.

The SSA Europe Ges.m.b.H., as well as its production plants, are certified according to DIN EN ISO 9001: 2008 and ISO / TS 16949. The production plant for stamping and moulding technology is also certified according to VDA 6.1.

SSA Europe有限公司是一家高效的工程胶带供应商，其生产的工程胶带可制造成冲压件和模切件、密封胶带、泡沫和蜂窝橡胶冲压件和型材、表面保护膜、标签和皮带紧固件。

SSA Europe有限公司及其生产工厂已通过DIN EN ISO 9001：2008和ISO / TS 16949等质量管理体系认证。除此之外，冲压和成形技术生产工厂也通过了VDA 6.1质量管理体系的认证。





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

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**starlim** sterner  
silicone at its best

The starlim//sterner group is the world's largest processor of liquid silicone for injection moulding. The group produces technical moulded parts for the automotive industry, the life science industry, the plumbing and consumer goods industries and the communications industry.

The company takes on the overall responsibility for development and production contracts - from planning, development and tool construction to fully automated serial production.

starlim // sterner集团公司是世界上最大的注塑用液体硅胶加工商。集团为汽车行业、生命科学行业、卫浴和家居用品行业以及通信行业生产工程模制作。

公司负责研发到生产合同的全流程，从规划、研发和工具设计制造到全自动批量生产。

Production of starlim//sterner



Mat seals for the automotive industry



## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility

# STEINBAUER Performance Austria GmbH

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W www.steinbauer.cc

RESEARCH  
PRODUCTS  
ENGINEERING



STEINBAUER Performance was born out of a passion and a clear vision to improve after-market engine tuning products. The focus of the company was to avoid the pitfalls of other products based on invasive tuning methods. STEINBAUER went on to develop and pioneer the Intelligent Injection Duration module.

With state of the art research, development and manufacturing facilities backed up by 20 years of experience, STEINBAUER remains the industry benchmark for modern diesel and turbo petrol engines.

Supported by a qualified worldwide dealer network in over 30 countries and branches in the USA and England, Steinbauer is committed to serving and supporting its customers.

QUALITY. SERVICE. STEINBAUER.

STEINBAUER Performance公司凭借开拓精神和创新理念确保了作为国际领先制造商和研发商的地位。公司致力于改进售后市场的发动机调校产品，辅助电子产品用于车辆控制、发动机优化和能效提高。STEINBAUER公司不断研发智能喷射持续时间模块。

凭借全面的专业知识、企业内部研发和生产制造以及20年的经验，STEINBAUER公司是现代柴油发动机和涡轮汽油发动机能效优化的行业标杆。

Steinbauer公司在全球30多个国家拥有经销商合作伙伴，并在美国和英国设有分支机构。企业借助强大的协作网络，为全球客户提供最佳服务和支持。

质量--服务--STEINBAUER!

In-house R&D and manufacturing



Power enhancement for diesel & turbogas engines





## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

# STEYR MOTORS GmbH

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STEYR MOTORS has its origins in the former Steyr-Daimler-Puch Group and was founded as an entirely independent company in 2001. Drawing upon the extensive know-how and experience of 150 years of engineering history, STEYR MOTORS focuses on the development of high-performance engines and propulsion technologies for current and future demands.

Today, the company has a worldwide reputation of being a top-class diesel and hybrid engine manufacturer fulfilling even the toughest requirements. The leading position of STEYR MOTORS is based on the product's remarkable robustness, power/weight ratio, durability and operational safety. The portfolio includes high-performance diesel engines and diesel-electric solutions, as well as highly-specialized engineering services for customer-specific requirements.

斯太尔动力有限公司的前身属于斯太尔-戴姆勒-普赫集团旗下。公司于2001年建立，成为一家完全独立的企业。凭借150年工程历史所积累的丰富专业知识和经验，斯太尔动力有限公司专注于高性能发动机制造和创新驱动技术的研发，以满足当前和未来的需求。

如今，公司在全球享有盛誉，是柴油和混合动力发动机领域一流的制造商，产品可满足最严苛的要求。斯太尔动力有限公司的领先地位归因于产品卓越的坚固性和运转安全性以及优秀的功率/重量比和耐用性。为了满足特殊要求和完全个性化的客户应用，企业在设计和制造高性能柴油发动机、机组和柴油-电动解决方案领域堪称行业领头羊。



## Automotive

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# Stirtec GmbH

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RESEARCH  
PRODUCTS  
ENGINEERING



“Welding the Unweldable”

The engineers at Stirtec use Friction Stir Welding (FSW) to weld materials which cannot be joined by conventional welding processes, or only with an enormous technical effort, for example steel sheets to aluminium extrusions or castings for vehicle construction. They produce battery housings and bimetal bus bars for electric vehicles and weld copper to steel or to aluminium for heat sinks.

Stirtec provides FSW machines and customer-specific manufacturing cells. They are a turnkey partner from the concept development until serial production and offer the complete FSW package from one source.

“无法焊接的任务请交由我们来完成”

Stirtec有限公司的工程师使用摩擦搅拌焊接(FSW)技术来完成不能通过传统焊接工艺连接的材料焊接，或者须在技术上经过巨大努力才能实现的焊接效果。在汽车制造领域的应用包括钢板与铝制型材以及铝制铸件的焊接，为电动汽车生产电池外壳和双金属母线，并在散热器产品内将铜焊接到钢或铝。

Stirtec公司提供摩擦搅拌焊接机器和客户特定的制造单元。从方案开发到批量生产，服务面面俱到，是一个交钥匙项目的合作伙伴，并可一站式提供完整的摩擦搅拌焊接服务包。





## Automotive

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PRODUCTS  
ENGINEERING

# Thöni Automotive Components GmbH

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W www.thoeni.com



The company Thöni Automotive Components is specialised in the development and production of high precision aluminum profiles including mechanical processing and mounting for projects in the automotive industry. Every day around 30.000 cars are being supplied with Thöni-Components.

Applied technologies:  
Turning, Drilling, Milling, Punching,  
Embossing, Hydroforming, Forging, Welding,  
Bonding, Riveting, Clinching, Anodizing,  
Passivating

Thöni汽车零部件公司专门从事高精度铝型材的研发和生产，包括汽车行业项目的机械加工和安装。Thöni汽车零部件有限公司每天约为30000辆汽车供应零部件产品。

所应用的技术包括：

车削、钻孔、铣削、冲压、压花、内高压成型、锻造、焊接、粘接、铆接、敲弯、阳极氧化、钝化

Thöni Automotive headquarters in Telfs (AUT)



Thöni Automotive punching and forming tool



## Automotive

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# thyssenkrupp Materials Austria GmbH

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PRODUCTS



As part of a worldwide technology group, thyssenkrupp Materials Austria GmbH is a leading company for cut metal sheets and plates in Europe. The company has developed to become a high-tech provider in the field of plastics, servicing the structural engineering and visual communication segments.

The six locations in Vienna, Linz/Hörsching and Graz mean that thyssenkrupp Materials Austria GmbH is always close to its customers.

As the only full-line supplier in Austria the company offers a wide range of materials:

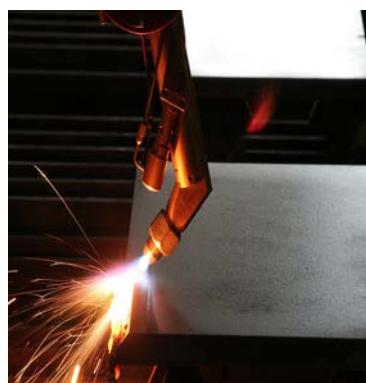
- Tool steel
- High-grade structural steel
- Rust, acid and heat-resistant steels
- Tubes and pipes
- Non-ferrous metals
- Carbon and stainless steels
- Plastics

作为全球技术集团的组成部分，蒂森克虏伯材料（奥地利）有限公司是欧洲切割金属板材和金属板领域的领先公司。在塑料业务领域，公司已发展成为一家高科技供应商，为建筑工程和视觉传播提供服务。

蒂森克虏伯材料（奥地利）有限公司在维也纳、林茨/霍尔辛和格拉茨设有六家分公司，保证了企业始终贴近客户。

作为奥地利唯一的全线供应商，企业可提供各类材料，包括：

- 工具钢
- 高级结构钢
- 防锈、耐酸和耐热钢
- 管材和管道
- 有色金属
- 碳钢和不锈钢
- 塑料





## Automotive

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## PRODUCTS

# Traktorenwerk Lindner GmbH

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The Austrian family company Lindner has been producing tractors and transporters for mountain and pasture agriculture, forestry and local government use since 1948.

At its plant in Kundl, Lindner manufactures Geotrac tractors, the stepless Lintrac model and Unitrac transporters.

The export ratio of this family-run company, which employs 220 people in Kundl, is over 50 percent. The key markets are Germany, Switzerland, France, Italy and Slovenia.

自1948年以来，位于蒂罗尔州的奥地利家族企业Lindner拖拉机厂有限公司一直在昆德尔生产基地生产Geotrac系列拖拉机、无级变速Lintrac拖拉机和Unitrac运输车。

Lindner公司生产的车辆用于山地和牧场农林业、索道缆车以及当地政府的市政领域。

这家家族企业的出口比例超过50%，在昆德尔拥有220名员工。其主要市场是德国、瑞士、法国、意大利和斯洛文尼亚。



## **Automotive**

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# **TTTech Automotive GmbH**

PRODUCTS

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Car builders, OEMs and Tier 1 suppliers often face many challenges before an innovative idea goes into serial production. TTTech's modular solution for automated driving addresses exactly this topic.

Thanks to its many years of experience, TTTech knows the answers to questions in the fields of software integration and security requirements.

With its know-how and the integrated software and hardware solutions, the company helps its clients to bring their products to market more quickly.

在创新设计理念进入批量生产阶段之前，汽车制造商、原始设备制造商和一级供应商往往面临全方位的挑战。TTTech汽车技术有限公司的自动驾驶模块化解决方案恰好可以帮助客户积极应对这些挑战。

TTTech汽车技术有限公司具有多年的研究经验，十分了解软件集成和安全要求等一系列问题的答案。

企业凭借专有技术和集成的软硬件解决方案，帮助其客户更快地将产品推向市场。



RazorMotion -  
highly automated  
driving platform



AthosMotion -  
high-performance  
platform solution



PM-200 -  
all-in-one automotive  
data logger

## TU Graz – Institute of Automotive Engineering

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The TU Graz is the oldest technical university in Austria with around 13,000 students. More than 3,200 staff work in basic research, industrial cooperation and teaching.

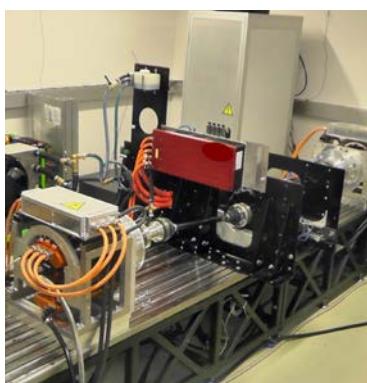
The institute works together with many international partners in industry, particularly in the field of drive and vehicle technology. The Institute of Automotive Engineering works in three areas on long-term topics and current research assignments:

- Automotive mechatronics
  - Transport innovations and environment
  - E-Mobility and alternative drivetrains
  - Virtual product development
- Vehicle dynamics
  - Driving dynamics and tyres
  - Automated driving, driver assistant systems
- Industrial simulation methods, lightweight design
  - Structural simulation, MBS, CFD, NVH
  - Brakes, nonlinear dynamics

格拉茨技术大学是奥地利最古老的技术大学，拥有约13000名学生。超过3,200名员工从事基础研究、工业合作项目和教学。

车辆技术研究所与许多工业领域的合作伙伴开展国际合作，特别是在驱动和车辆技术领域。研究所主要在以下三个工作领域聚焦长期发展重点议题和当前课题的研究任务：

- 汽车机电一体化
  - 运输创新和环境
  - 电动汽车和替代动力传动系统
  - 虚拟产品研发
- 车辆动力学
  - 驾驶动力和轮胎
  - 自动驾驶、驾驶辅助系统
- 工业模拟方法，轻量化设计
  - 结构模拟, MBS, CFD, NVH
  - 制动、非线性动力学



## Automotive

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# TU Wien - Institute for Powertrains and Automotive Technology

RESEARCH  
ENGINEERING

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The Institute for Powertrains and Automotive Technology of the Vienna University of Technology is highly recognised for research and development in the field of vehicles with special focus on powertrain.

The core competencies are, along with academic education, the development, analysis and optimisation of conventional and alternative propulsion technology. Research interests are as follows:

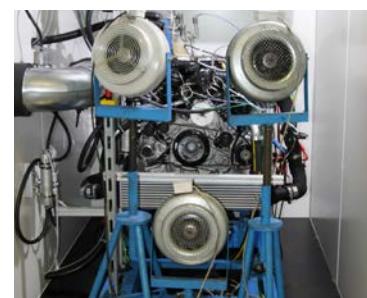
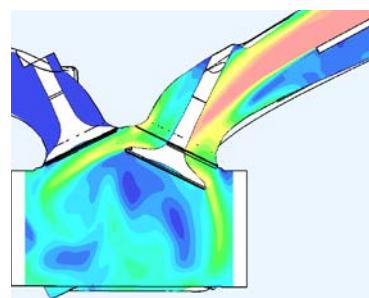
- Combustion methods
- Exhaust gas aftertreatment
- Heat management
- Fuel cell systems
- Hybrid- and electric-vehicles
- Alternative fuels
- Assessment of potential and technology

The modern and extensive equipment on test benches, measurement devices and simulation tools enable leading world-class research and education.

Additionally, the university's Professional MBA Automotive Industry provides participants with the latest management know-how and prepares for leading positions in the automotive industry.

<https://automotive.tuwien.ac.at>

© Klaus Ranger



维也纳技术大学汽车动力与汽车技术研究所是一家赢得高度认可的从事整体车辆研发的学术机构，尤其聚焦最高水平的动力系统研发。

传统和替代驱动技术的研发、分析和优化是研究所的核心竞争力，同时也与学术教育互相配合。研究方向主要包括：

- 燃烧方法
- 尾气后处理
- 热管理
- 燃料电池系统
- 混合动力汽车和电动汽车
- 替代燃料
- 潜力和技术评估

测试台、测量装置和仿真工具上的各类现代化装备可确保领先的世界级科研和教学水平。

此外，维也纳技术大学的汽车行业MBA项目为参与者传授最新的管理知识，帮助他们为将来在汽车行业走上领导岗位做好准备。详情请浏览：<https://automotive.tuwien.ac.at>



## Automotive

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PRODUCTS  
ENGINEERING

## Valentin Tusch GmbH

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Valentin Tusch GmbH is a manufacturer of special armoured vehicles for personal protection, cash-carrier services and tactical use, as well as armoured components for aircraft and motor vehicles. Moulded components are produced for security-related devices.

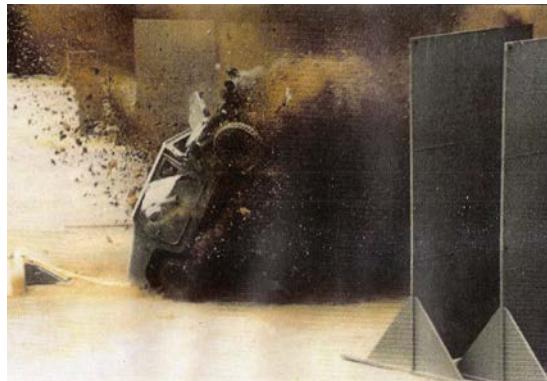
The company develops and produces solutions for special armoured vehicles, as well as safety seats used in anti-mine missions (IED). The target groups are private persons, national and international companies, governments and armed forces supporting the NATO as well as NGOs.

Valentin Tusch GmbH produces customized special armoured vehicles with protection levels from B4 to B7, as well as higher military standards up to STANAG Level 3 and 4. Special multi-purpose aircraft and add-on kits for ballistic protection for helicopters are also developed.

Valentin Tusch有限公司是一家专门为客户提供建用于个人安全保障的防弹车、现金运输车辆和战术车辆以及飞机和机动车辆装甲部件的制造商。除此之外，企业还为安全技术设备生产模制组件。

该公司从事特种车辆制造解决方案的研发，并且生产制造反地雷任务（IED）中所使用的安全座椅。其目标客户群体是个人、国内外企业、政府和支持北约的武装部队以及非政府组织。

Valentin Tusch有限公司生产定制个性化的防弹车，保护等级从B4到B7，或更高的军事标准（达到STANAG 3级和4级）。公司还研发特殊多用途飞机和用于直升机防弹保护的附加装置。



## **Automotive**

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ENGINEERING

# **VESCON Systemtechnik GmbH**

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The VESCON Group has been active as a medium-sized plant manufacturer with over 450 employees for more than 20 years. Both OEMs as well as First Tier and Second Tier suppliers are the customers.

VESCON has been developing and tailoring special solutions for assembly and testing processes in Austria for more than 10 years.

All necessary processes and resources are provided in-house for the innovative turn-key solutions for medical technology and the automotive industry.

The focus is on headlights, turbochargers, drivetrains and various other components.

VESCON集团是一家中等规模的设备制造商，拥有20多年的发展历史，员工人数超过450名，开展国际业务。其客户群中既有原始设备制造商，又有一级和二级供应商。

十多年来，VESCON公司一直致力于在奥地利为装配和检测流程研发和制造量身定制的特殊解决方案。

企业内部可提供所有必需的工艺流程和资源，用于医疗技术和汽车行业的创新交钥匙解决方案。

重点产品领域包括前大灯、涡轮增压器、动力传动系统和各种其它组件。





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RESEARCH  
ENGINEERING

# VIRTUAL VEHICLE Research Center

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W www.v2c2.at



The VIRTUAL VEHICLE Research Center is an international centre for R&D in the field of road and rail vehicles. Key elements of the centre's expertise include the combination of numerical simulation and experimental validation, as well as a comprehensive system simulation right up to the whole vehicle.

### Fields of research:

- Automated driving
- Safety & security
- Efficiency & comfort
- Efficient development
- Disruptive digitalisation

The centre is part of the Austrian COMET K2 programme. Furthermore it is involved in EU projects and offers a broad portfolio of contract research.

虚拟车辆研究中心是公路和轨道车辆研发的国际中心。在专业知识方面，中心的关键能力在于数值模拟和实验验证的组合，以及直至整车的全面系统仿真。

### 研究领域包括：

- 自动驾驶
- 安全保障
- 效率和舒适度
- 高效发展
- 颠覆性数字化

研究中心是奥地利COMET K2项目的组成部分。此外，研究中心还参与了欧盟项目，可提供各类委托项目研究服务。



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# **voestalpine Böhler Welding Austria GmbH**

PRODUCTS

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E [doris.kastl@voestalpine.com](mailto:doris.kastl@voestalpine.com)  
W [www.voestalpine.com/welding](http://www.voestalpine.com/welding)



With over 100 years of experience, voestalpine Böhler Welding is the top global address for the daily challenges in the field of joint welding (Böhler Welding), wear and corrosion protection (UTP Maintenance) as well as brazing (Fontargen Brazing).

Customer proximity is guaranteed by more than 40 subsidiaries in 25 countries, with the support of 2,200 employees and more than 1,000 distribution partners worldwide.

The individual consultation by application technicians and welding engineers, guarantees that customers master the most demanding welding challenges and that all customers' and partners' requirements are catered for by the three specialised and dedicated brands.

奥钢联集团Böhler焊接（奥地利）有限公司具有100多年的行业经验，是搭接焊（Böhler焊接公司）、磨损和腐蚀保护（UTP维护公司）以及硬焊（Fontargen铜焊公司）领域应对日常挑战的全球首选伙伴。

25个国家的40多家子公司以及全球范围2200名员工和1000多家经销合作伙伴保证了客户贴近度。

应用技术人员和焊接专业工程师为客户提供量体裁衣的咨询服务，帮助客户应对最苛刻的焊接挑战，并凭借旗下三大专业品牌始终确保满足客户和合作伙伴的所有要求。





## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility

### PRODUCTS

## voestalpine Rotec GmbH

Eisenhammerstraße 15

8670 Krieglach

Austria | Österreich

W [www.voestalpine.com/rotec](http://www.voestalpine.com/rotec)

**voestalpine**  
ONE STEP AHEAD.

voestalpine Rotec is an international group of companies that has specialised in the production, further processing and sales of precision steel tube products.

Rotec produces high-quality, technologically sophisticated tube components for the automotive and machine construction industry.

The group headquarters are located in Krieglach, Austria. Overall the Rotec Group comprises 8 companies and 3 sales locations in Europe and North America. It goes without saying that production takes place at the location that is the most convenient for the customer.

Specially built technology centres guarantee that new products and manufacturing technologies are developed at the highest level.

奥钢联集团Rotec有限公司是一家专业从事精密钢管产品生产、深加工和销售的国际集团公司。

Rotec公司为汽车和机械制造行业生产制造高质量、技术先进的管件。

Rotec集团总部位于奥地利的克里格拉赫。集团在欧洲和北美拥有8家公司和3个销售点。毫无疑问，生产基地处于对客户而言最便捷的位置。

集团专门成立的技术中心保证创新产品的研发和制造技术达到最高水平。



## Automotive

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# voestalpine Tubulars GmbH & Co KG

Alpinestrasse 17  
8652 Kindberg-Aumuehl  
Austria | Österreich

Holger Raspotnig  
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E holger.raspotnig@vatubulars.com  
W www.voestalpine.com/tubulars

**voestalpine**  
ONE STEP AHEAD.

voestalpine Tubulars produces seamless steel pipes up to an outside diameter of 193.7mm (7 5/8") in various standard and special grades, as well as to meet numerous customer specifications.

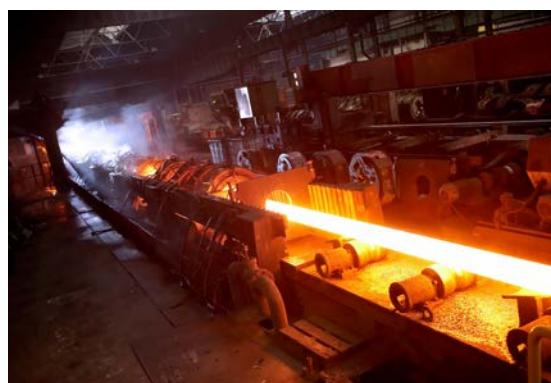
The product line covers ready-to-install casing and tubing, as well as mechanical tubes, boiler and high temperature resistant tubes, pressure tubes and line pipes. These products are mainly delivered to the oil and gas industry, commercial vehicle construction companies, engineering and boiler construction companies, for tunneling applications and crane construction companies.

The international sales network guarantees customer proximity and comprehensive customer support.

奥钢联集团管材有限公司生产各种标准和特殊等级的无缝钢管，最大外径可达193.7毫米（7 5/8 "），并且能够满足客户的众多定制规格要求。

公司产品系列包括可立即安装的油田管以及机械管、锅炉和耐高温管、压力管和管线管。这些产品的客户主要来自石油和天然气行业、商用车行业、锅炉和仪器制造、隧道工程技术和起重机制造等。

企业的国际销售网络可确保客户贴近度，提供全方位的客户支持。



## Automotive

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RESEARCH  
PRODUCTS  
ENGINEERING

## weba Werkzeugbau Betriebs GmbH

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W www.weba.at



weba focuses primarily on hot forming, as well as the development and production of sophisticated stamping tools for high-strength structural parts.

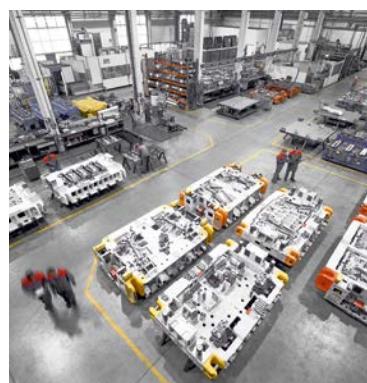
As a result of the modern production techniques and highly qualified employees, over the years weba has developed into an absolute expert in hot forming. Car manufacturers (OEMs) and suppliers (Tier 1s) around the world rely on the experience and the advanced technology of weba.

weba has been known as pioneer in hot forming for more than 25 years. Furthermore weba is certified according to 2010 DIN EN ISO 9001:2008. With its production locations in Austria and the Czech Republic, as well as service centres in China and the USA, weba is a supplier to the global automotive industry.

weba工具制造有限公司主要致力于热成型领域，研发和生产用于高强度结构部件的精密冲压工具。

得益于现代化的生产技术和高素质的员工，weba公司多年来已发展成为热成型领域首屈一指的专家。世界各地的汽车制造商（OEM）和供应商（一级）都对weba公司的经验和先进技术给予高度信赖。

超过25年来，weba公司成为热成型领域公认的领头羊企业。此外，weba已通过2010 DIN EN ISO 9001：2008质量管理体系认证。企业在奥地利和捷克共和国拥有生产基地，并在中国和美国设立了服务中心，是全球范围汽车行业的供应商。



## **Automotive**

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# **WESTCAM Technologies GmbH**

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For more than 27 years the WESTCAM Group has stood for inspiring, high-performance technologies.

WESTCAM Technologies is highly competent in three areas:

- Individualised automation systems: competence in mechatronics, image processing and project management experience.
- Dental technology: comprehensive technology competence, coupled with medical expertise.
- Crack detection with image processing: observation of test processes as well as detection and evaluation of the crack propagation

The interdisciplinary team includes specialists in mechatronics, software development, mechanical engineering and project management.

A reliable partner for automation systems, crack detection with image processing and dental technology

WESTCAM集团致力于令人欣喜的高效能技术领域已超过27年。

WESTCAM科技有限公司在以下三个方面具有很强的竞争力：

- 个性化的自动化系统：具备机电一体化、图像加工处理和项目管理经验。
- 口腔工艺技术：综合技术能力，配上医学专业知识。
- 使用图像加工进行裂纹检查：检测过程的观察以及裂纹扩展的识别和评估。

WESTCAM公司的跨学科团队包含了机电一体化、软件开发、机械制造和项目管理方面的专家。

WESTCAM公司是您在自动化系统、使用图像加工进行裂纹检查和口腔工艺技术方面可靠的合作伙伴。





## Automotive

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## PRODUCTS

# Wilhelm Schwarzmüller GmbH

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The Schwarzmüller Group is one of the largest full-service suppliers of commercial vehicles in Europe, operating in 20 countries in Central, Southeastern and Eastern Europe.

As a leader in the field of innovation and technology, the company sets the standards for the industry, and is the specialist for individual transport solutions thanks to its more than 140 years of expertise.

Schwarzmüller manufactures more than 8,800 commercial vehicles a year, currently employs 2,240 staff, and generated a revenue of 342 million euro in 2016.

In addition to its production facilities in Austria, the Czech Republic and Hungary, the company also supports a network of almost 350 service centres across Europe.

Schwarzmüller集团是欧洲最大的商用车全方位服务供应商之一，目前在中欧、东南欧和东欧的20个国家开展业务。

作为创新和技术领域的领导者，公司制定了行业标准，并凭借140多年的专业经验成为个性化运输解决方案的专家。

Schwarzmüller公司每年生产8800多辆商用车，现有员工2240人，2016年营业收入达3.42亿欧元。

除了在奥地利、捷克和匈牙利拥有生产基地外，公司还支持着覆盖整个欧洲的约350个服务中心所组成的网络。



## **Automotive**

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PRODUCTS

# **Wittmann Battenfeld GmbH**

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W www.wittmann-group.com

**Wittmann** **Battenfeld**

WITTMANN BATTENFELD offers its customers worldwide a broad product range encompassing the machines of the PowerSeries with EcoPower for all-electric machines, MicroPower for micro-injection molding, MacroPower for large machines and the servo-hydraulic SmartPower as well as vertical machines.

All machines can be offered with integrated WITTMANN robots and peripheral equipment. Data exchange and visualization are realized via WITTMANN 4.0.

Additional strengths lie in the fields of automation technology and special techniques such as the gas injection process AIRMOULD®, COMBIMOULD, PIM, LIM, IML, the VARIOМОULD® variotherm process or the CELLMOULD® structural foam process.

威猛巴顿菲尔有限公司为世界各地的客户提供广泛的产品种类，包括PowerSeries系列机器的EcoPower全电机，MicroPower微型注塑机，MacroPower大型机械，SmartPower伺服液压机以及和立式圆台机床。

通过一体化的WITTMANN机器人和外围设备，使得通过WITTMANN 4.0的数据交换和可视化成为可能。

威猛巴顿菲尔公司的创新能力也体现在创新工艺流程上，如AIRMOULD®注气工艺，粉末注射成型工艺，COMBIMOULD，PIM，LIM，IML，VARIOMOULD®变温工艺流程和CELLMOULD®结构发泡工艺过程仅仅是自动化技术和特种技术领域的若干例子。





## Automotive

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RESEARCH  
PRODUCTS

## Wollsdorf Leder Schmidt & Co Ges.m.b.H.

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W www.wollsdorf.com



**WOLLSDORF**  
LEATHER

Wollsdorf Leder specializes in supplying leather for the automobile, furniture and aircraft sectors. Wollsdorf Leder is a reliable partner with a global presence and, as one of the leading leather producers in Europe, supplies quality products for the world market.

Top quality products, excellent service, on-time delivery, innovation and know-how, as well as its position as market leader for steering wheel leather, mean that Wollsdorf Leder is the ideal partner for customers in the industrial and design sectors.

Quality starts with the firm's careful selection of its suppliers and extends over the entire manufacturing process. These factors result in the production of exclusive leather that meets the high expectations of its customers.

作为汽车、家具和飞机皮革领域的专家，Wollsdorf 皮革有限公司是全球性的可靠的合作伙伴。作为欧洲范围皮革生产的领导者之一，公司为世界市场提供高品质的产品。

最优质的产品、杰出的服务、准时交货、创新和专业知识以及在方向盘皮革市场的领导者地位，这都意味着Wollsdorf皮革公司是工业和设计领域客户的理想合作伙伴。

质量始于公司对供应商的精挑细选，并将这种精益求精的精神延伸到整个生产制造过程。只有具备这些因素才能生产出高级的皮革制品，来满足客户的高期望值。



## Automotive

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# Xioneer Systems GmbH

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W www.xioneer.com

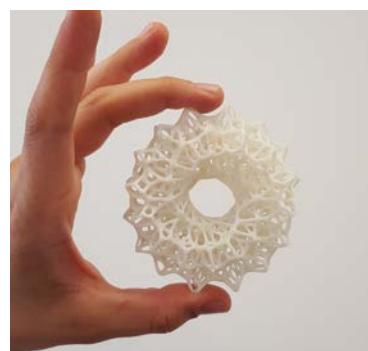
**XIONEER®**  
SYSTEMS

Xioneer Systems develops extrusion-based 3D printers for professional users in mechanical engineering, the creative sector, as well as other industries. The devices are mainly used in prototype development and small series production.

Thanks to patented technologies and comparatively low prices, the 3D printers from Xioneer Systems not only meet the highest standards of quality, reliability, and efficiency, but also enable small and medium-sized businesses to benefit from the advantages of professional 3D printing.

Xioneer 系统有限公司为机械制造、创意产业以及其它行业的专业用户开发挤出式3D打印机。这些设备主要用于样机的开发和小批量生产。

凭借其专利技术和相对低廉的价格，Xioneer 系统公司的3D打印机不仅达到了质量、可靠性和效率等方面的最高标准，而且还使中小型企业能够从专业3D打印技术的优势中获益。





## Automotive

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### PRODUCTS

## ZIMM Maschinenelemente GmbH + Co KG

Millennium Park 3  
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Gunther Zimmermann  
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**ZIMM**®

ZIMM Maschinenelemente GmbH + Co KG is an internationally-oriented company that has specialised in screw jacks.

The family business was established in 1977 and today supplies its products to more than 40 countries worldwide.

With its principal product, a modular screw jack system, ZIMM offers a versatile programme for the electromechanical adjustment of linear movements in all directions for loads of up to 100 tons.

Screw jacks are used where weights have to be very accurately controlled and carefully positioned.

ZIMM 机械零部件有限公司是一家面向国际市场的企业，专业生产螺旋千斤顶。

这个家族企业成立于1977年，目前向全球40多个国家供应产品。

ZIMM公司的主打产品是一个模块化螺杆顶升系统，它提供了一个多功能程序，用于所有方向上线性运动的机电调节，载重可高达100吨。

螺旋千斤顶适用于必须非常精确控制和仔细定位重物的应用领域。



## Automotive

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# ZINKPOWER

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W [www.zinkpower.com](http://www.zinkpower.com)

PRODUCTS

**KOPF**  
G R O U P

The company is part of the Kopf Group - a family-run company with over 2,400 employees.

37 hot-dip galvanizing sites are operated under the ZINKPOWER® brand in 10 countries in Europe, America and Asia. All components can be galvanized, from the smallest screw to steel girders.

The POWER-CAST division offers high-precision aluminium, magnesium and zinc die castings. Lightweight system components made from magnesium and aluminium round off the automotive portfolio. 8 locations in Germany, the Czech Republic and Mexico offer a full-service, from development partnerships right through to fully assembled components.

All the companies are certified according to DIN EN ISO 14001.

Further information:  
[www.zinkpower.com](http://www.zinkpower.com)  
[www.power-cast.com](http://www.power-cast.com)

ZINKPOWER公司是Kopf集团的成员企业，该集团是一家家族企业，拥有2400多名员工。

ZinkPower®这个品牌下运营着位于欧洲、美国和亚洲10个国家的37个热镀锌厂。所有零部件都可以镀锌，从最小的螺丝到钢梁。

POWER-CAST业务部门提供高精度铝、镁和锌压铸件。由镁和铝制成的轻量级系统部件使汽车领域产品组合更加完善。位于德国、捷克和墨西哥的8个工厂提供从合作研发到组装完毕部件的全套服务。

所有公司都通过了DIN EN ISO 14001质量管理体系认证。

更多信息请浏览：  
[www.zinkpower.com](http://www.zinkpower.com)  
[www.power-cast.com](http://www.power-cast.com)





## Automotive

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### PRODUCTS

## Zirl Guss GmbH

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Werner Oratsch

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Zirl Guss draws its experience from the long-term operation of its own foundry, which was run until 1992 in Graz. Today Zirl Guss makes use of its knowledge in state-of-the-art foundry technology and casting materials to have the best cast manufactured at the best price by foundry partners around the world – tailor-made to meet its customers' requirements.

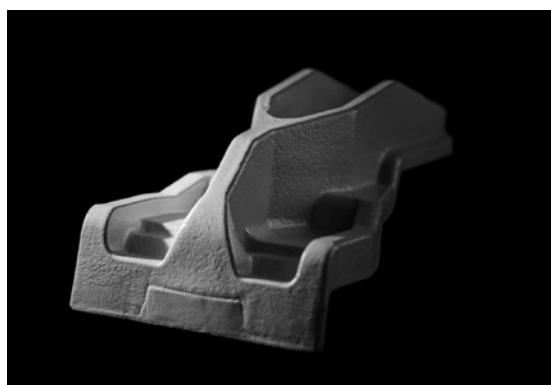
The products are made of all kinds of materials and according to all standard casting procedures, e.g. sand casting, shell moulding, pressure die-casting, investment casting, lost-wax process, lost foam process and full mould casting.

The customers belong to the automotive industry, the building industry and machine manufacturers, as well as sinter plants, heating plants and incineration plants.

Zirl铸件有限公司从自己铸造厂的长期运营中不断汲取经验。该铸造厂至1992年一直扎根于格拉茨。如今，Zirl 铸件有限公司利用自身在最先进铸造技术和铸造材料方面的专业知识，使世界各地的铸造合作伙伴用最优惠的价格生产出最优质的铸件，以满足客户的定制需求。

公司产品由各种材料，并根据所有标准铸造工艺制成，如砂模铸造、壳模法、压铸法、熔模铸造、脱蜡工艺流程、消失模工艺流程、全模铸造等。

企业客户来自于汽车工业、建筑工业和机械制造业，以及烧结设备、供暖设备和垃圾焚烧设备的运营企业。



## **Automotive**

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# **ZKW Group GmbH**

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RESEARCH  
PRODUCTS

**ZKW**

The ZKW Group is the specialist for innovative, premium lighting systems and electronics. As a systems supplier, ZKW is an international partner to the automotive industry.

Headquartered in Austria, ZKW has more than 8,000 employees at eight sites in Europe, America, and Asia. With technical inventions and innovations, ZKW makes vehicles more desirable, more unique, safer and more energy-efficient.

The products include main headlights and fog lights, blinkers, interior and license plate lights, as well as electronic modules for many mobility concepts.

Renowned automobile manufacturers such as AUDI, BMW, DAIMLER, GEELY, MAN, OPEL, PORSCHE, SCANIA TRUCK, SKODA, SGM, VOLVO CAR, VOLVO TRUCK or VW trust the innovative products from ZKW.

ZKW集团有限公司是创新型顶级照明系统和电子装置领域的专家。作为系统供应商，ZKW公司是汽车行业的国际性合作伙伴。

ZKW公司总部位于奥地利，在欧洲、美国和亚洲设有八个生产基地，拥有8000多名员工。集团凭借其技术发明和创新，让车辆变得更受欢迎、更独特、更安全和更节能。

公司产品包括主前照灯和雾灯、闪光灯、车内灯和牌照灯，以及用于多种移动出行方案的电子模块。

知名汽车制造商如奥迪、宝马、戴姆勒、吉利、曼、欧宝、保时捷、斯堪尼亚卡车、斯柯达、上海通用汽车、沃尔沃汽车、沃尔沃卡车和大众都十分信赖ZKW公司的创新产品。





## Automotive

Motor vehicles | Special motor vehicles | Trailers | Constructional systems & body components |  
Passenger compartment | Electronics | Power-train & chassis | Accessories | Other vehicle parts |  
Machinery and systems for the automotive industry | Engineering | Autonomous driving | E-Mobility

PRODUCTS  
ENGINEERING

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### Zoerkler – The Spirit of Precision

As a specialist in the automobile, aerospace, railway and industry sectors, Zoerkler offers development, production and testing of transmissions, complete drive systems, precision parts, as well as spur and bevel gears according to customer requirements.

The site in Jois, Austria, covers all steps in the development process – from engineering and prototype/small series production to transmission testing and documentation.

Testing takes place in Zoerkler's own test stand centre, which is one of the most modern in the world with an automobile transmission test stand, a helicopter main gearbox test stand, hydraulics, shaft and fatigue test stands.

### Zoerkler--精密制造之魂

作为汽车、航空航天、铁路和工业领域的专家，Zoerkler公司可根据客户的要求，研发、生产和测试变速箱、完整驱动系统、精密零件以及正齿轮和伞齿轮。

位于奥地利约伊斯的工厂拥有产品开发过程中所需的所有工艺流程--从工程设计和样品小批量生产直到变速箱的测试和记录。

所有驱动系统的测试均在Zoerkler公司自己的试验中心进行，该中心是世界上最现代化的试验机构之一，拥有汽车变速箱试验台、直升机主齿轮箱试验台，液压、轴和疲劳检测试验台。



IND  
USTRY  
AT  
ITS  
BEST



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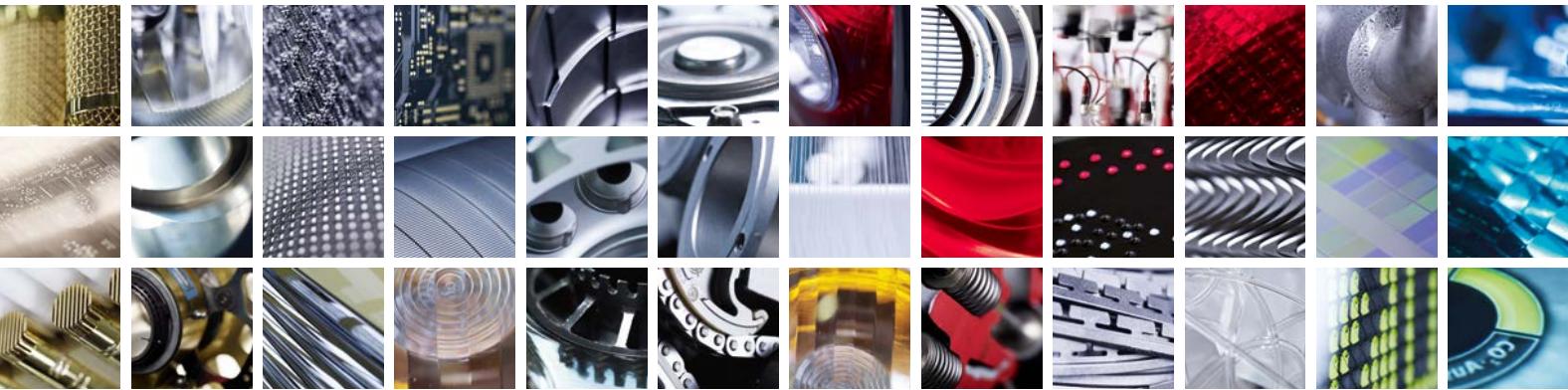
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