

Welcome to Lam Research AG

June 2022



Lam's Team Serving You Today

Topics we want to share with You

Paul Nowakowski
Innov.-Fund.-R.Co.

“Lam Research AG”

Dietrich Di Bernardo
Training Center

“Tool in Operation”

Robert Kumnig
Process Lab

“Impression Lab”

Sandor Molnar
Supply Chain

“Supplier of Lam”

Agenda

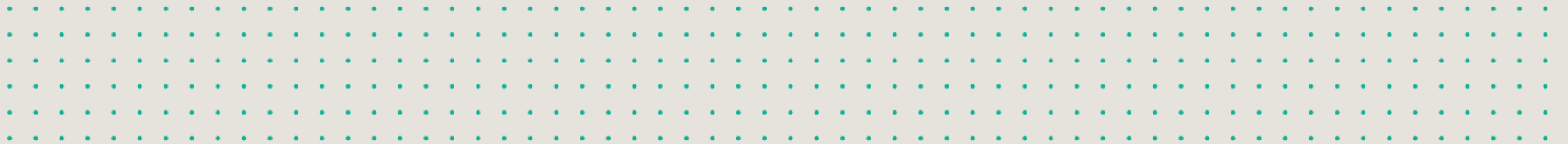
Target: finish our tour at approx. 10:15

Time		Topic	Who	Where
08:15	09:00	Registration Transit Grouping	Paul	Front desk to Room "Fremont"
09:00	09:15	ALL – Lam presentation	Paul	Room
09:20	09:35	GROUP 1	Dietrich	Training C.
		GROUP 2	Robert	Sub-Lab
		GROUP 3	Sandor	Room
09:45	10:00	GROUP 1	Sandor	Room
		GROUP 2	Dietrich	Training C.
		GROUP 3	Robert	Sub-Lab
10:10	10:25	GROUP 1	Robert	Sub-Lab
		GROUP 2	Sandor	Room
		GROUP 3	Dietrich	Training C.
10:30	10:40	ALL – Wrap up	Paul	Room
10:45		Transit	Paul	Front desk



Lam Research AG

Overview



Lam's Single-Wafer Wet-Clean Product Overview

Different Product Technologies serve different markets and customers



SP-Technology



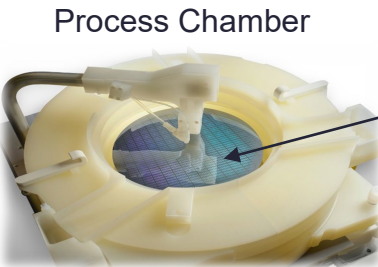
DV-Technology



DVP-Technology



EOS-Technology

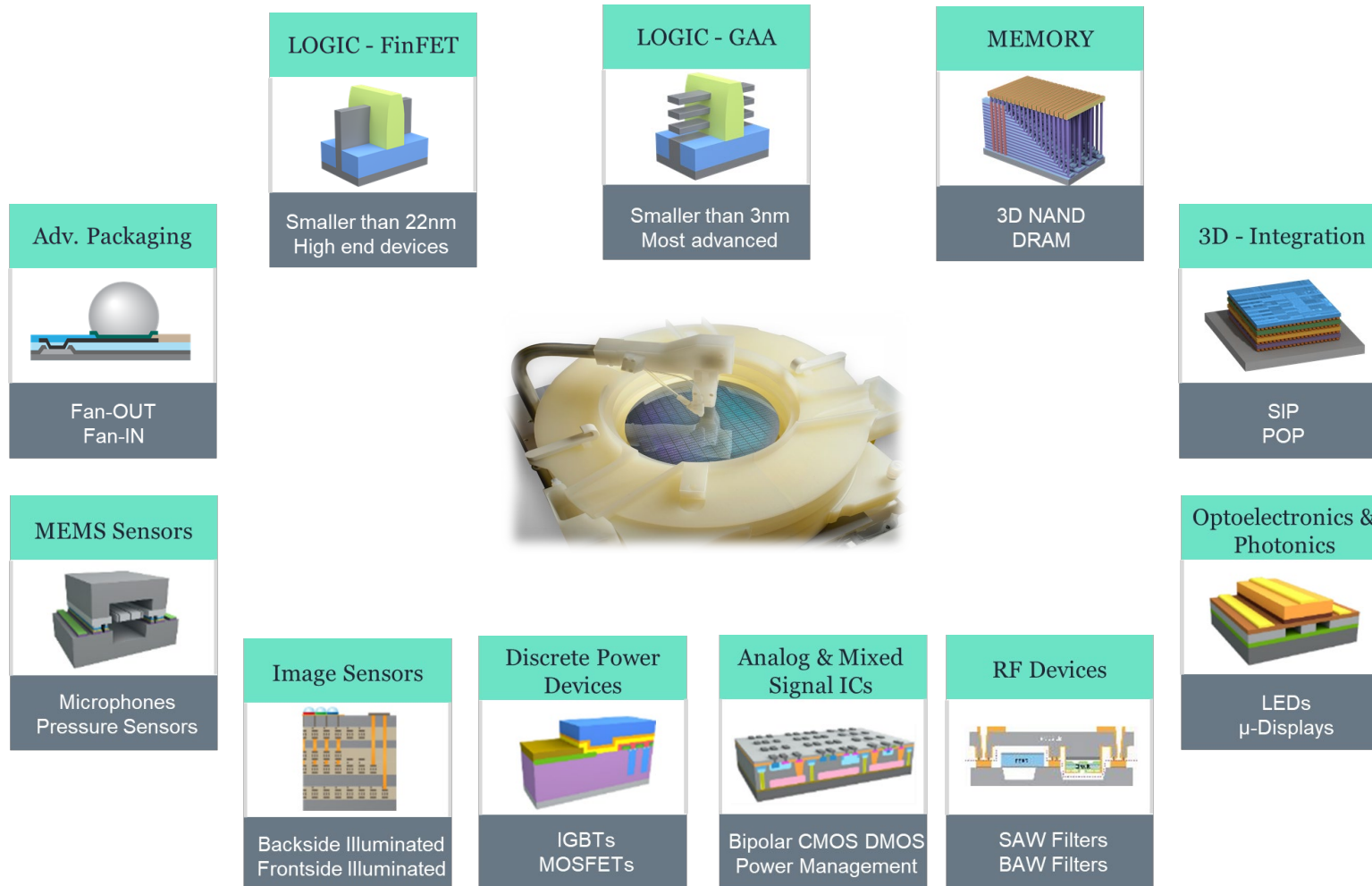


Wet-Clean (Etch) of Single Wafers

e.g. EOS

Lam's Wet-Clean in Semiconductor Industry

Essential for Advanced: LOGIC - MEMORY and SPECIALTY devices

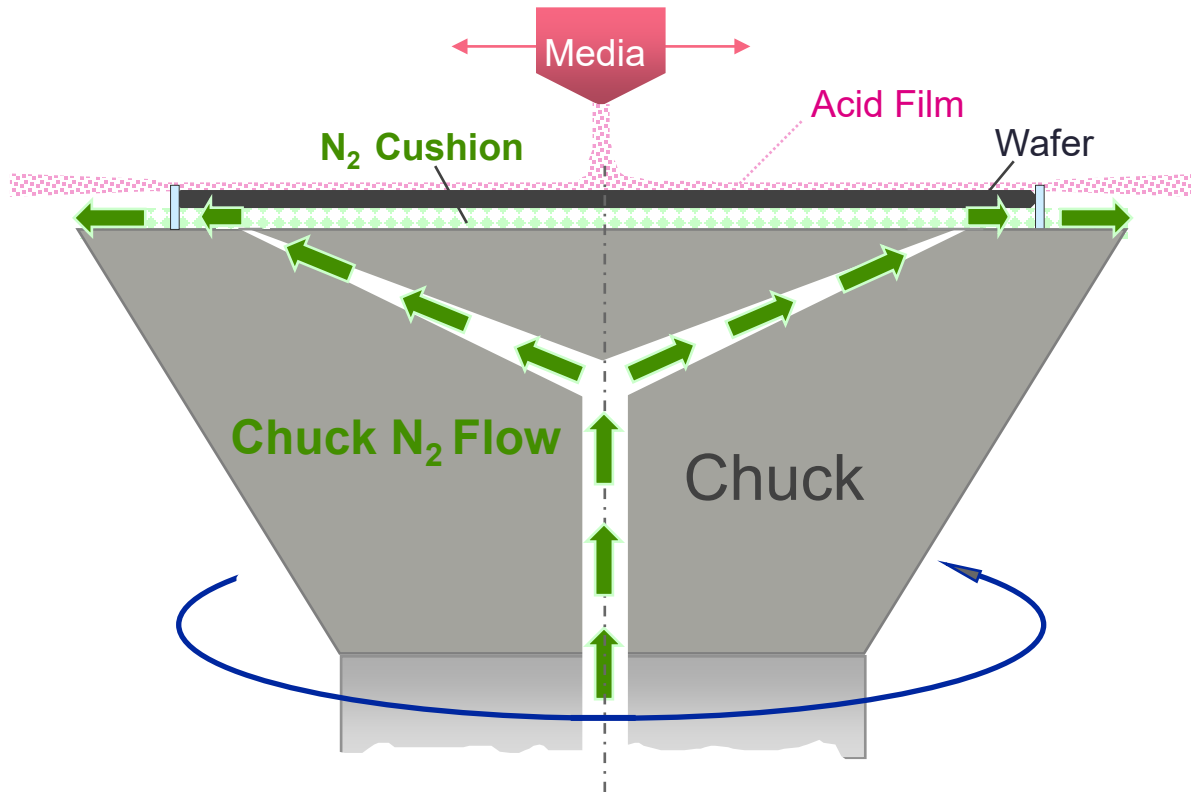


Lam's Wet-Clean Technology

More than 30 years expertise – more than 10.000 chambers – solutions from $x\text{-}\mu\text{m}$ down to $<3\text{nm}$

CHUCK DESIGN: ONE SIDE OF WAFER PROCESSED - OTHER PROTECTED

CHAMBER DESIGN: MULTIPLE CHEMICALS - RECLAIMABILITY



Where we are: Lam Research AG Facility

Employees ~700
Total area 79.000 m²
Cleanroom 2.400 m²



Today: "Green Factory"



How we became what we are

1986

- Founded as SEZ in 1986 in Austria
- Pioneered single-wafer wet (spin) clean technology

2008

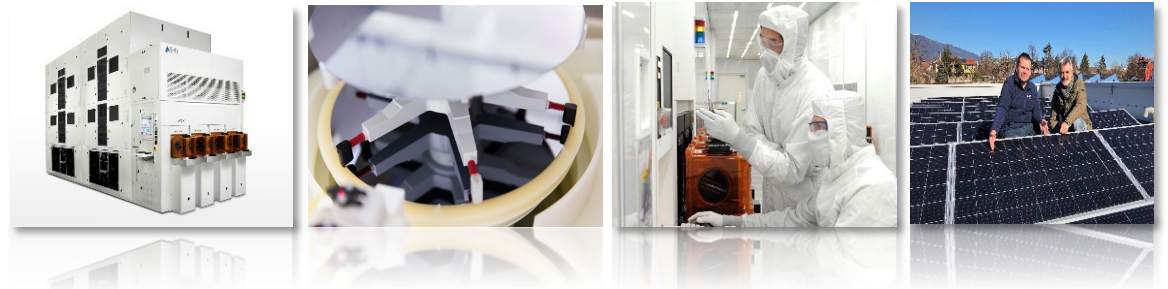
- Acquired by Lam Research
- Became the Company's Spin Clean division

2013

- Added 750-square meter for clean room lab

Today

- Center for development and production of all Spin Clean products
- State-of-the-art Lab to establish Clean solutions with top global players
- Approx. 700 employees from ~ 30 different nationalities

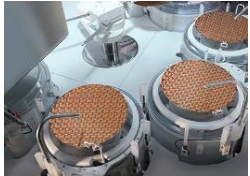


Lam Research Corporation

A global leader in wafer fabrication equipment

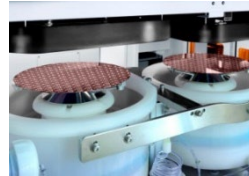
THIN FILM DEPOSITION

Metal Films – ECD/ELD



SABRE® Family

Metal Films – ECD (Packaging)



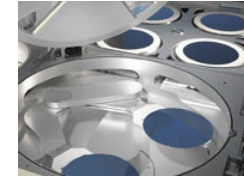
SABRE® 3D Family

Metal Films – CVD/ALD



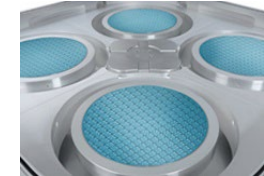
ALTUS® Family

Dielectric Films - PECVD



VECTOR® Family

Dielectric Films - ALD



Striker® Family

PLASMA ETCH

Conductor Etch



Kiyo® Family

Dielectric Etch



Vantex™, Flex® Families

Metal Etch



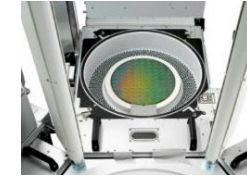
Versys® Metal Family

Selective Etch



Selis® Family

TSV Etch



Syndion® Family

MEMS/Deep Si Etch



DSiE™ Family

STRIP

Stand-alone Strip



Argos®, GAMMA® Families

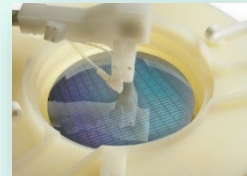
Integrated Strip



Strip45™, MW Stripper

CLEAN IN VILLACH

Spin Wet Clean



EOS®, DV-Prime®, Da Vinci® Families

Spin Wet Clean (Specialty)



SP Series Family

Plasma Bevel Clean



Coronus® Family

Lam Research Corporation

A global leader in semiconductor industry



\$16.5B revenue

\$1.55B R&D investment

>8,000 patents, global

~16,300 employees

Fremont, CA headquarters

>15 countries

Recent awards and recognition

America's Most Responsible Companies

Newsweek

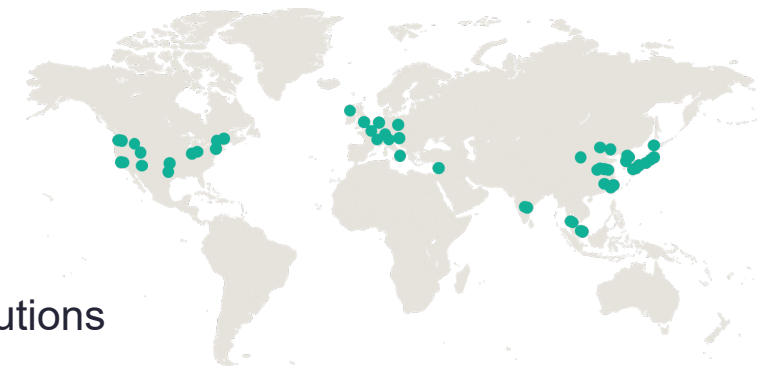
America's Best Large Employers

Forbes

America's Largest Manufacturers

IndustryWeek

- Closest to our Customers
- Connected across continents
- Collaborations with local R&D institutions





Q&A

Many thanks!