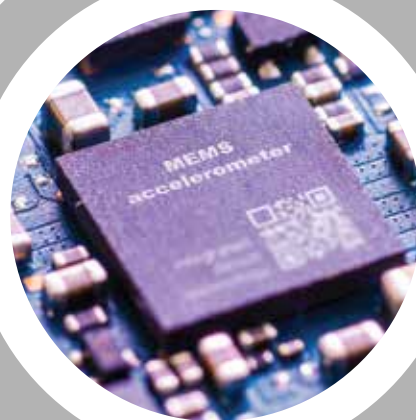




QUALITY, RELIABILITY, AND COMMITMENT

WAFER RECLAIM | FOUNDRY SERVICES | BROKERAGE | PARTS CLEANS | WAFER MANAGEMENT | THIN FILMS

WWW.PUREWAFER.COM

QUALITY, RELIABILITY, AND COMMITMENT

Welcome to Pure Wafer, America's number one provider of prime grade silicon wafer reclaim, wafer processing, custom thin film coating services and wafer foundry services. For 30 years, Pure Wafer's commitment to providing high quality, high reliability silicon wafers has been the driving force behind its expansion, making it America's number one wafer reclaim leader.



Silicon Wafer Reclaim

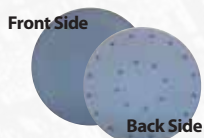
- Comprehensive wafer reclaim processing technologies down to 19nm and 26nm defect counts
- Advanced wafer fabs in Prescott, Arizona and San Jose, CA California
- Industry-leading wafer processing services, 50mm to 300mm

**Wafer Reclaim
down to 19nm and
26nm defect counts**



Thin Films

- Broad range of thin-films, PECVD, HDP, photoresist, PVD, ECU, CVD tungsten, CVD tungsten nitride, thermal oxides, annealing and metrology services
- Extensive films portfolio and exclusive reseller of thin films for Lam Research - the world's number one semiconductor deposition company



Wafer Brokerage, Wafer Management Software and Parts Cleaning

- Wafer management software business enables customers to design & build products, and match specific needs. Wafer sharing, inventory management and custom reporting with user generated dashboards have made this a popular addition for customers
- Long-standing relationships with major silicon manufacturers allows for a broad range of 50mm to 300mm silicon products
- Parts cleaning business cleans the final critical parts of the largest OEMs in the world



Foundry Services

Pure Wafer Foundry services deliver process development and optimization solutions for fabless semiconductor companies, IDMs, OEMs and the startup community offering a wide range of development services that bridge the gap between design, and production. We have been innovating for more than 30 years, helping to create novel applications in life sciences, photonics and MEMS.

Although we have served industry leaders for more than 30 years, including customers like Apple, IBM, Intel, AMAT, KLA, VLSI and ONTO - we also support the start-up community serving as a much needed development resource and partner that enables start-ups with a access to cost effective and timely prototyping and other development services.

Single & Multi Layer Processing

- Dielectrics
- Thin Film PVD Metals
- Photo Resist
- Lithography

Setting Wafer Standards

- Establish metrology & Inspection Standards
- Industry proven for decades with SEMI equipment specification standards

Sensors. MEMS, Photonics

- Power electronics support EV, automotive growth
- Sensors uses in automotive, healthcare and industrial sectors
- MEMS (Micro electro-mechanical structures) used in healthcare, bio science and industrial
- Microfluidics to sensors MEMS, Photonics segment
- Photonics electro optical modulators used in automotive, data centers, and acoustic applications

Quality and reliability are our calling cards. Today, our wafer products and services support the world's

#1

- ✔ Logic IC Maker
- ✔ Analog Device Maker
- ✔ Etch Equipment Manufacturer
- ✔ Thin Film Deposition Equipment Provider

- ✔ US Foundry
- ✔ Number One Semiconductor Materials Provider
- ✔ Leading MEMS, Biotech Company

EXCELLENCE IN MANUFACTURING

Pure Wafer deploys the most advanced wafer reclaim manufacturing technologies carried out exclusively at its two fabs in Prescott, Arizona, and San Jose, CA.



CA FACILITY

Running since 1998, services include:

- Customer fabrication, specialty engineered products
- Services wafer diameters from 100mm - 300mm
- Glass and quartz reclaim services
- Reclaim of AITiC Wafers with Thin films
- Laser marking capability
- Lapping
- Cassette cleaning
- Wafer grinding
- Thermal oxidation (up to 150,000Å)
- 300mm photoresist services



AZ FACILITY

The Prescott, AZ plant has been running since 1998. It provides advanced reclaim manufacturing:

- Services wafer diameters from 200mm - 300mm
- Only US based low particle reclaim facility
- Wafer reclaim down to 19 nm and 26nm defect counts
- 44,000 square foot facility serves large IDMs
- RFID capability
- Advanced SPC control of key parameters
- Automatic data collection, lot tracking

PRODUCTS & SERVICES

Wafer Products

50mm to 300mm virgin, prime grade and test grade silicon wafers
50mm to 300mm dummy silicon wafers
300mm low particle material (LPDs down to 19nm level)
Ultra-flat SSP and DSP silicon wafers
Ultra- thin and ultra-thick SSP and DSP silicon wafers

Custom Wafer Processing Services

50mm to 300mm

Custom Thin Film Coatings

PECVD, HDP, Photoresist, PVD, ECU, CVD Tungsten, CVD Tungsten Nitride, thermal oxides, annealing and metrology services

Wafer Brokerage

Pure Wafer has long standing relationships with major silicon manufacturers, allowing for a broad range of 50mm to 300mm silicon products. Pure Wafer also offers glass, quartz, gallium arsenide (GaAs), silicon-on-insulator (SOI) wafers.

Wafer Foundry Services

Pure Wafer's foundry services deliver process development and optimization for fabless semiconductor companies, IDMs, and OEMs. Capabilities include single- and multi-layer processing, dielectrics, thin-film PVD metals, photoresist, lithography, and SEMI metrology and inspection standards, backed by proven three-decade expertise.

Parts Cleaning

Pure wafer cleans the final critical parts for the largest OEMs in the world. These parts are used by manufacturers to support 10 nm to 3 nm technology nodes.



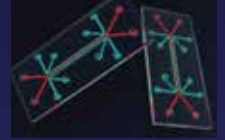
Wafer Management Software

Innovative wafer management software enables efficient, cost-effective silicon wafers.

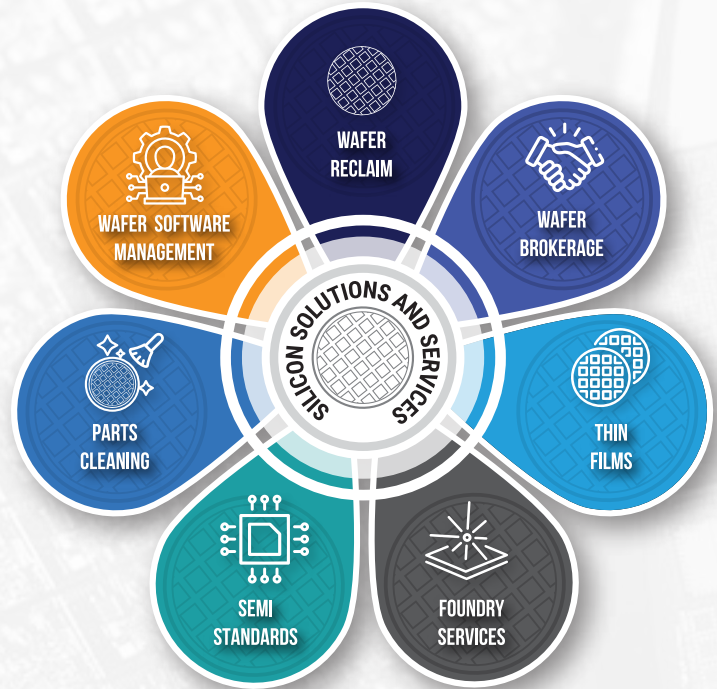
PURE WAFER **FOUNDRY SERVICES**

CUSTOM DEVELOPMENT & FOUNDRY SERVICES

- Advanced lithography
- Thin films
- Engineering services
- Custom processes
- Chiplets
- Development work



COMPREHENSIVE RANGE OF WAFER PRODUCTS AND DEVELOPMENT SERVICES



GLOBAL SALES, SERVICES & **SUPPORT**

Pure Wafer's industry leading silicon solutions and services are backed by world-class customer service helping to maintain our position as the industry standard for quality and reliability. We provide support to our customers throughout the United States, Europe, Japan and Southeast Asia.

Headquarters, Production Facility & Sales Office

2240 Ringwood Avenue San Jose, CA 95131

Phone: 408-945-8112

Fax: 408-845-0765

Account Payable: x 303

Shipping & Receiving: x 325

Production Facility

2575 Melville Road Prescott, AZ 86301

Phone: 928-771-8900

Fax: 928-771-8901

Account Payable: x 518

Shipping & Receiving: x 520

Film Sales and Materials

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Email: films@purewafer.com

Pure Wafer Foundry Services

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Email: foundry.services@purewafer.com

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