

All Products

**Innovative Products
for Semiconductor Processes**

Vacuum Wands

- Cordless Portable wands
- Portable Wands
- Vacuum Wand sets
- Vacuum Tips
- Vacuum Handles
- Vacuum Coil Cords
- Wand Holders
- Small Device



Wafer Transfers

- Wafer Transfer system for SafeGuard
- Thin/Compound wafers
- Automatic Slide Transfer
- Manual Slide Transfer



Wafer Aligners

- Automatic Notch Aligner
- Automatic Flat Aligner
- Manual Notch Aligner
- Manual Flat Aligner
- Economy Flat Aligner



Wafer Picks

- Wafer Edge Pick
- Wafer Edge Pick with Knife Edge



Photomask Handling

- Mask Pick Horizontal Offset
- Mask Pick Side Grip



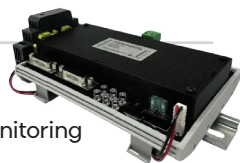
Wafer Sorters

- 1-Cassette Sorter
- 2-Cassette Sorter
- 4-Cassette Sorter



Smart Sensors

- Alignment Drift Monitoring
- Motor and Bearing Wear Monitoring
- Fan Failure Detection



Transport Bags

- Moisture Barrier bags
- EPE Cushion Moisture Barrier bags
- LDPE bags



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Process Cassettes & Boxes

Material:

- PP
- PTFE
- PFA
- PEEK



Wafer Shipping Boxes

- Wafer Shipping Boxes
- Vacuum Formed Shipping Boxes
- Process Boat Storage Boxes
- Wafer Canisters
- Wafer Jars



Single Wafer Shipping

- Clamshell-Style Shippers
- Coin-Style Shippers
- Vacuum Formed Shippers



Metal Cassettes

- Aluminum Box Styl Cassette
- Aluminum Process Cassette
- Stainless Steel Cassettes



Wafer Flex Frames

- Plastic Flex Frames
- Metal Flex Frames
- Single Flex Frame Shippers
- Multi Flex Frame Shippers



Grinding & Dicing

- Film Applicator/Remover
- Film Frame Mounters
- Flex Frames
- Flex Frame Shippers
- Hoop Rings
- Dicing Tape
- Die Matrix Expanders
- UV Curing Systems



Wafer Inspection & Presenting

- Wafer Inspection Systems
- Manual Wafer Presenters
- Wafer Escalators
- 5-Wafer Lifter
- Inspection Lights



Cleanroom Clothes

- Cleanroom Coverall
- Cleanroom Hood Band
- Cleanroom Boot
- Cleanroom Mouth mask



Cleaning & Etching

- Probe Card Cleaning Sheets
- Spin Process Stations
- Megasonic Cleaning
- Process Baths: PTFE, PVDF, PP
- Quartz Baths
- Single Wafer Processing Holders
- Table Top Etching System



Heaters

- Inline Heater
- Grid Heater
- DI water Heater



Flow & Pressure Control

- Flow Sensors
- Flow Switches
- Flow Meters
- Flow controllers
- Pressure Sensors
- Quick Connectors



Filtration

- Capsule Filters
- Chemical Filters
- Disposable Filters
- Liquid Filters
- Filter Cartridges
- Membrane Filters
- Water Filter Cartridges



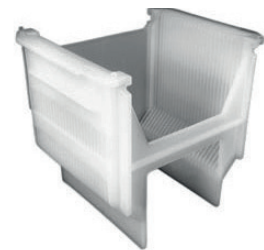
Monitoring

- Wet Chemical Concentration Monitor



Process Boats

- PFA, PTFE, high or low profile Process Carriers



Valves

- Air Cylinders
- Check Valves
- Plug Valves
- Pneumatic Valves
- Solenoid Switch Valves
- Stop Valves
- Manifold Valve Blocks



Tubing & Pillar Fittings

- PFA Tubing
- Pillar PFA Fittings



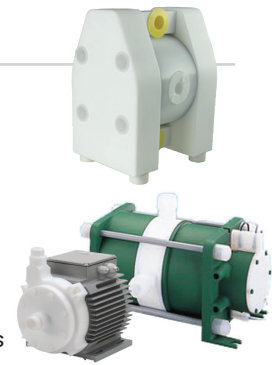
Spin Processors

- In-deck Wafer Spin Coater
- Tabletop Spin Coater
- Spin Coater with Megasonic Cleaning



Pumps

- Membrane Pumps
- Magnetic Rotary Pumps
- Bellow Pumps
- Metering Pumps
- Dispense Pumps
- Pump Controllers
- Double Diaphragm Pumps



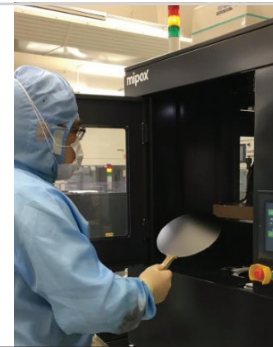
Polishing

- Edge Polish System
- Edge Polish Tape



Polishing Service

- Edge Polishing
- Cleaning
- Permant Bonding
- Surface Polishing
- Wafer Re-Sizing



Tool - Refurbishment

- Semitool
- SAT
 - SRD
 - SST



Sprayguns

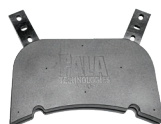
- Nitrogen Spray Guns
- DI Water Spray Guns



Spare Parts

To extend part lifetime, reduce PM frequency, decrease qual time, ease installation, and ultimately reduce costs.

- Robot Components & Bearings
- Wrist Assemblies
- Fabrication & Consumables



PFA Parts

- PFA Pressure Vessel
- PFA Storage Vessel
- PFA Aspirator
- PFA Static Mixer



CMP Pad Conditioners

- CMP Pad Conditioners



Filtration

- CMP Slurry Filters



Slurry Flow Control

- Slurry Flow Controllers



Pumps

- Slurry Pumps



Retaining Rings

- Retaining Rings



Slurry Mixing Cabinets

- Customized Solutions



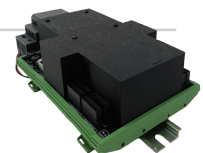
Monitoring

- Inline CMP Slurry Monitoring



Smart Sensor CMP

- Drain Flow Monitoring
- Flow Monitoring
- Water & Chemical Detection
- Motor and Bearing Monitoring
- In-line and Non-Contact Flow Measurement
- Real-Time Downforce Monitoring
- Data visualization and alert notification



Coating & Develop

- Spin Coaters
- Spin Process Stations
- Spin Coating Systems



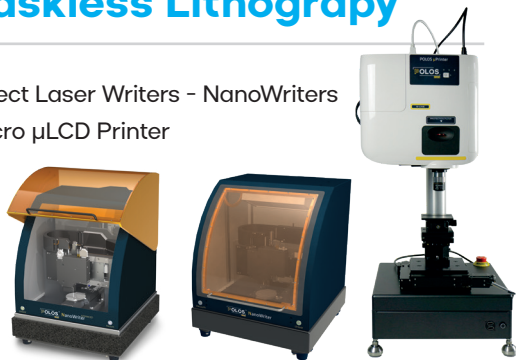
Ultrasonic Spray Coating

- Spray Coating System



Maskless Lithography

- Direct Laser Writers - NanoWriters
- Micro μ LCD Printer



Hotplates

- Precision Hot Plates



Mask Aligners

- Soft Contact Aligners
- Hard Contact Aligners
- Proximity Aligners
- Lens Less Mask Aligner



UV Exposure

- UV Light Sources
- Flat Exposure Systems



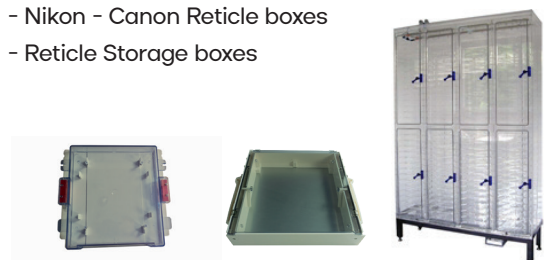
Photomask Handling

- Mask Pick Horizontal Offset
- Mask Pick Side Grip



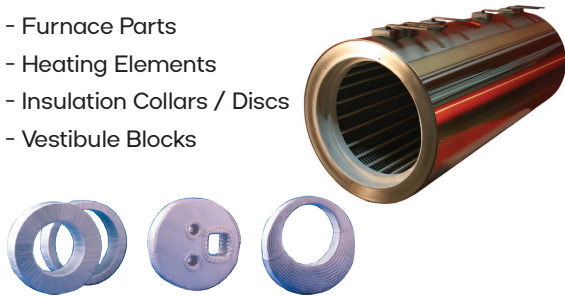
Reticle Storage

- Nikon - Canon Reticle boxes
- Reticle Storage boxes



Diffusion Furnace Parts

- Furnace Parts
- Heating Elements
- Insulation Collars / Discs
- Vestibule Blocks



Atomic Layer Deposition

- ALD Table Top & Stand-Alone Production Tools



Layer Thickness Measurement

- Film Characterization Tool
- Mapping of Thickness



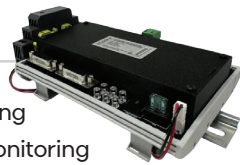
Ultra-Pure Gas

- Ultra-Pure Gas Filters
- In-Line Gas Heaters



Smart Sensor

- Pressure and Flow Monitoring
- Heating Wire Resistance Monitoring
- Humidity and Temperature Monitoring
- Mechanical Wear and Failure Monitoring
- Mass Flow Controller Performance Monitoring
- Alignment Drift Monitoring



Deposition Systems

- CVD & RIE
- Sputter
- Thermal boat evaporator
- E-beam evaporator



All Brands



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