



# S3Alliance

## OUR PRODUCTS FOR WET CLEANING PROCESSES

### Tailored Wet Processing Systems



#### Linear Wet Benches

- Semi to Fully Automated

#### Upgrade Programs Spray Acid Tool (SAT) Spray Solvent Tool (SST)

#### New SRD Systems

- Tabletop, Single or double Stack  
Stand Alone
- Plating Tools

#### Inception Single Wafer Spray

- manual or automated
- 2-4 chemical process tanks

#### Applications

- Advanced Metal Etch
- Metal Lift Off
- Resist Strip
- Advanced Cleaning



[www.rena-na.com](http://www.rena-na.com)  
[www.meillc.com](http://www.meillc.com)

### Non-invasive Flow Measurement



(except UK)

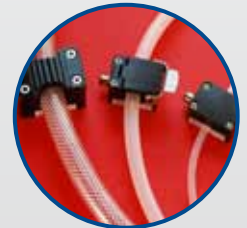
#### Ultrasonic Measurement

##### SEMIFLOW clamp-on flow sensor

- Real-time instantaneous flow measurement
- Reliable flow measurement up to 400 L/min
- Accuracy of +/- 2%
- 8 different sensor sizes for a wide range of tube sizes

##### SONOCHECK air bubble detector

- Non-invasive measurement method directly through the tubing wall
- Fitting for a wide range of plastic tubing types, e.g. PVC, PE, PFA (no limitations due to the use of opaque tubings)



[www.sonotec.eu](http://www.sonotec.eu)

# OUR PRODUCTS FOR WET CLEANING PROCESSES

## Diaphragm Pumps & Heaters

**TREBOR®**

(CH, CZ, D, France, Italy, PL, Russia)

- High Purity PFA Chemical Pumps
- High Purity Di Water Quartz Heater
- High Purity Chemical Heaters
- New Flexible Chemical Heaters



[www.treborintl.com](http://www.treborintl.com)

## Remanufactured CMP/Grinding/ Scrubbing Systems



### New CMP Tool: CAPSTONE

- DIWO/DIDO, 2 platen up to 4 carriers
- Multiple Multi zones carriers available for different applications

### Refurbished CMP Platform

- AMAT / Mirra, Mirra Mesa
- IPEC Surface, 472, 372M
- Auriga, 676, 776
- Strasbaugh / 6EC, 6DSSP

### Post CMP Scrubbers

- Ontrack / DSS 100, 200
- Synergy

### Grinders

- Strasbaugh (7AF), Disco (DFG 841), Okamoto

### Foundry Services for CMP, Backgrinding+Cleaning processes

### CMP and Backgrinding Upgrades

### Process Integration



[www.axustech.com](http://www.axustech.com)

## CMP & Cleaning Systems for R&D



### CMP

- Semi-automated CMP Systems from 2" to 12"

### Post CMP Cleaners

- Semi-automated (4"-12") or fully automated 3" to 6"

### GNP Process group provides also:

- Consumable development evaluation
- Process development and optimization
- Throughput enhancement
- Additional CMP Options Characterization like: MEP, OEP
- Comprehension of CMP characteristics



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