



Your Wet Process Partner

Spin Spray solvent tool (SST)  
Spin Spray acid tool (SAT)

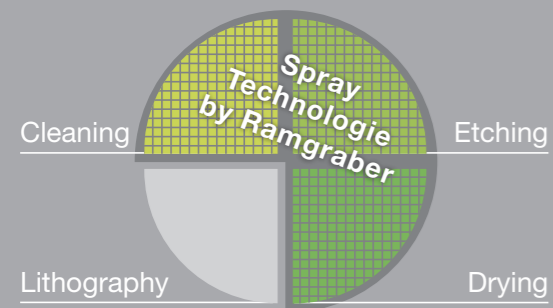


# Datasheet SAT + SST

## Semiconductor Equipment

- Semiconductor Equipment
- Photovoltaic Equipment
- Microsystems

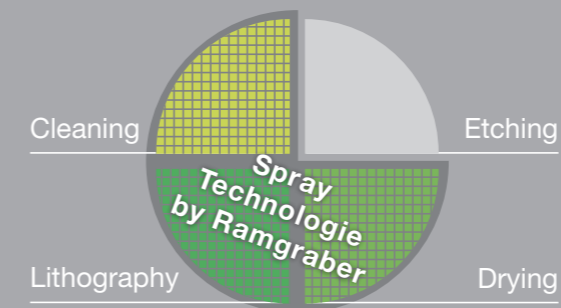
## Applications Spray Acid Tool:



### Details:

- FEOL and BEOL cleaning
- Metal etching, Al, AlSi, AlSiCu, Cu, barrier metals, ...
- All Ozone based processes
- Photo resist stripping
- Polymere removal
- Developing

## Applications Spray Solvent Tool



### Details:

- Polymere Removal
- Photoresist Stripping
- Substrate Cleaning
- Developing
- Metal lift off

For decades, the closed chamber on axis spray concept has proven to be the process of record in solvent cleaning technology. Ramgraber has raised the bar for batch spray equipment by establishing 300 mm node technology to all substrate sizes (2"-12" wafers, glass substrates, square ...)

### Ramgraber Optimal Spray Technology (RamOS):

- Proprietary new design for best process results within batch and run-to-run
- Unmatched spray performance
- Best in class rinse & dry efficiency
- Virtually no cross contamination of chemistries
- Optimal choice of materials for chemistry of use
- Highest stability of key process parameters
- 100% German engineering

### Features:

- Manual loading or fully automated handling
- 2"-12" wafers and individual substrates
- 150 mm/200 mm/300 mm bridge configuration possible
- Individual batch sizes (13, 25, 26, 50, ... wafers per batch)
- Up to 7 heated tanks
- Single chamber or multiple chamber design
- In-situ chemical blending and monitoring
- 95% stainless steel surfaces on wetted parts
- SECS/GEM Interface

### Ramgraber is the choice:

- 40 years of wet chemical equipment manufacturing experience
- Uncompromised process-driven design
- All in house manufacturing (design, electrical & mechanical engineering, automation, software, PLC control, plastic & metal machine shop, final assembly)

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