

# Automated Wet Processing



300 mm batch wafer processing

**Cooperating with our customers and suppliers to provide innovative wet processing solutions, including specialized equipment and turnkey project support, to meet your wet process requirements.**

Edwards-CME has been producing wet process benches and process equipment for the semiconductor and microelectronics industries for over 30 years. This experience enables us to provide custom-manufactured, automated wet process solutions for a variety of markets including photovoltaic and sensors.

We welcome the opportunity to partner with research and development teams to identify the most cost effective, high-yield designs that deliver maximum uptime and safety.



# *Cost effective solutions that improve performance*

## *CME Design and Manufacturing*

CME offers a variety of unrivalled services and expertise. Our experienced specialist design team is able to translate customer requirements into operational cost effective solutions. This design philosophy reduces system start-up time and expansion costs, resulting in improved performance.

- Cost-saving modular designs
- Application-specific configurations
- Customer-specific project management teams
- Turnkey project capability
- Proven track record
- Pre-delivery/source inspection test facilities

## *On-site Expertise*

Your CME equipment installations are supported by engineers based in our Newhaven, UK facility. We will work with your site services team to bring your new wet process systems online. A wide range of start-up and maintenance services are available from CME, allowing you to concentrate on your core competencies.



Multi-tasking, high-throughput etch process station

# Designed to support your manufacturing operations

## Wet Process Solutions

Relying on an extensive library of innovative solutions, we are able to offer proven, reliable technology designed to maintain aggressive start-up timelines. Our systems are designed with multitasking capabilities and include control options to manage critical operational tasks.



## Equipment Features

Electronic device manufacturers throughout Europe have relied on our proven ability to deliver wet process equipment built to fit the specific needs of each process application. These reliable systems are available in a variety of materials including polypropylene or FM4910-compliant plastics for acid processes and stainless steel for solvent applications. Our facility includes a clean test area with a dedicated ultraclean deionized water plant, ensuring protocols are adhered to during final production checkout and customer acceptance testing

- Operator friendly
- Precision robotic handling
- Multi-tasking capability
- Batch processing
- Customized process lines
- Auto chemical fill, to process baths
- Chemical dosing (including SC1 and SC2 at point of use)
- Chemical-compatible materials
- PLC control systems
- Touch screen interface
- Recipe driven
- Modem link facilities



Wafer processing area

# Setting the standard for safety

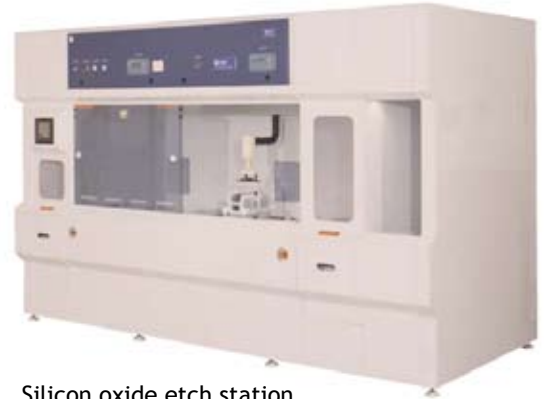
## Safety and Environmental Compliance

Safety is not an afterthought at Edwards, it is a priority. We design and build our equipment to conform to existing standards and compliances, and include many optional features that will make your operators' job easier and safer. Our systems will perform to your standards and eliminate many health risks that are associated with existing wet process stations.

- Manufactured to current European
- directives
- CE marked
- ATEX 1994/9EC compliant (explosive
- atmosphere directive)
- FM4910 materials
- Integrated CO2 fire suppression systems
- Proprietary nitrogen-purged control systems
- Audible and visual alarm systems

We welcome the opportunity to work closely with our customers to address process issues and provide an automated wet process solution that addresses the rapid technical advances in your industry.

Contact our chemical management experts today.



Silicon oxide etch station,  
processing multiple wafer sizes



Rear view, service access

## Contact

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