

WE ARE
THE
PARTNER
FOR CUSTOMIZED WET PROCESS
EQUIPMENT



TwinStep™

Semi-automated wet bench for various applications

BENEFITS

- > New designed, semi-automated wet bench
- > 1 chemical tank (back), 1 rinse tank (front)
- > Various etch and cleaning processes
- > Modular system adaptable for customers application
- > Multiple recipe tasking
- > Processes are reproducible
- > Optimized footprint
- > Robust wafer handling system
- > Superior reliability
- > Easy move in and low installation effort



FEATURES & BENEFITS

Available Training

Operator, maintenance and process

Built To Comply With

- > FM 4910
- > SEMI S2 and S8
- > SECS/GEM
- > CE

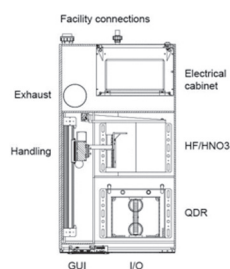
Available Options

- > Automated loading station wafer transfer
- > Wafer ID reader
- > Wastewater management system
- > Locally installed chemical cabinets for the dilution, mixing and preheating of chemical solutions
- > DI-water heating system
- > Mini-environments
- > Concentrate monitoring system
- > POU filtration of DI-water
- > Fire suppression system for solvent applications
- > UPS units
- > etc.

General Installation Data

TwinStep™ – General

- > Automated and secured I/O window
- > 10,4" touch panel with user friendly GUI
- > Rinse module in the front
- > Chemical module in the back
- > Sideways appropriated handling system with agitation ($f=0,6$ Hz)
- > Exhaust on the top of the tool
- > Electrical cabinet and facility connections on the backside
- > FFU slot on the top



Reliability (figures based on actual tool performance)

MTBF \geq 800 h
 MTBA \geq 300 h
 Uptime \geq 97 %

Can be delivered fully assembled

Dimensions

- > Optimized footprint
- > Dimesions (LxWxH): 900 x 1625 x 2000 mm
- > Easy maintenance from the tool front (QDR) and backside (Chem.)

Graphical User Interface

Software

- > AP&S Software Interface with 10,4" VGA color touch panel
- > Process overview
- > Active flowchart
- > Multiple recipe tasking
- > Multi level password
- > Service interface
- > Log-files with USB export function
- > Hardware control (e.g. I/O window)
- > Ethernet connection for service notebook at the tool front and back
- > Remote control via internet

