

The Stingray

Semi-Automated Wet Process Station

PRODUCT NOTE

Features

- Semi-automated modular wet process station
- Configurable for wet strip and clean applications
- Recirculating filtered process tank
- Quick dump rinse
- Surface tension gradient dryer option
- Programmable processing recipes
- Robotic movement of cassettes within processing tanks
- Auxiliary chemical distribution option
- User-friendly software with touch screen interface
- Aerodynamically designed and tested to optimize airflow

Configurable Platform for Multiple Processes



Acid Compatible Stingray (solvent compatible system also available)

MicroTech Systems is an established wafer and substrate cleaning capital equipment company. The Stingray™ Semi-Automated Wet Process Station is the platform for multiple stripping and cleaning processes such as sulfuric peroxide [SPM], RCA critical cleaning, dilute HF, and hot phosphoric nitride strip. The Stingray is also available for solvent cleaning.

The configurable Stingray wet process station enables temperature and concentration controlled processes. This semi-automated system can be custom configured to include temperature-controlled recirculating tanks, quick dump rinse tanks and a surface tension gradient dryer.



Flexible footprint and ergonomic design

**Stingray
Semi-Automated
Wet Process Station**



MT Systems Inc.
510.651.5277 fax: 510.651.3374 www.microtechprocess.com

Stingray Specifications

Platform

Wafer sizes up to 300 mm
Front or rear maintenance access options
Semi-automated robotic movement options:
 Rotational 2 to 4-tank movement
 Linear 2 to 4-tank movement
Chemical compatible components
Compliant with SEMI standards; S2-93
CE certifications NFPA 79
Factory Mutual (FM) certification
Configurable to customer needs
Chemical distribution system option

Modules

Custom tanks for each chemical
Temperature controlled tanks
Programmable agitation
Megasonics available
Recirculating and filtering available
Quick dump rinse
Surface tension gradient dryer option

Software

GUI-based PC Microsoft XP
Recipe controlled
SECS-GEM capable



Solvent Compatible Stingray



Aqueous Chemical Compatible Stingray



MICROTECH

MT Systems Inc., 49040 Millmont Drive, Fremont CA 94538 phone: 510.651.5277 fax: 510.651.3374
www.microtechprocess.com

STGPN072712