

## OnTrak DSS 200 Series 2

### OnTrak DSS 200 Series 2 Double-sided PVA Scrubber

offers production-proven cleaning results for particles as small as 0.125µm. Depending on the application, throughputs of 45-65 wafers per hour are attainable, making the DSS-200 Series 2 the most cost-effective wafer cleaning system for wafers from 150mm to 200mm.



### Standard Features Include:

- 200mm ergonomic load station
- Double sided PVA scrub
- Dual brush boxes
- Ammonia dispense
- IR assisted spin dry station
- Robotic unload
- Vertical unload station
- Touchscreen controls

### Optional Features:

- Megasonics at spin dry station
- Multiple chemical delivery system
- Signal light tower

### Customer Support

Axus Technology provides the installation, warranty, and service support that users depend on for their production and research equipment. Staffed by the most experienced technical teams in the industry, Axus delivers a full range of services to help you manage all your process equipment requirements.

In addition to offering field service, parts, and technical training, Axus Technology's foundry and applications engineers can provide users with process development and engineering services using our fully-equipped applications lab.

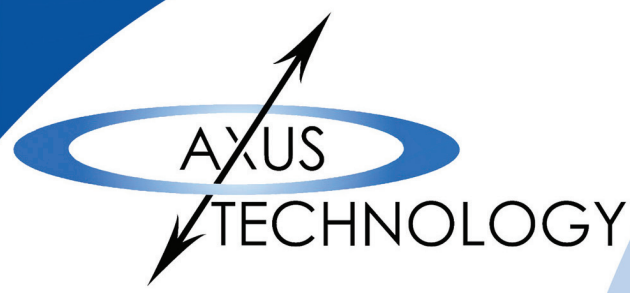
We encourage each of our customers to do an on-site inspection of the tool, where they can review the details of the work accomplished, perform a final operational check of the equipment, and participate in the final testing of the tool.

For more information about contract refurbishment services, refurbished tools from Axus Technology, or field service for OnTrak tools, please contact either Tim St. Marie or Barrie VanDevender at our Chandler, AZ facility.

### Facilities

- Dimensions:
  - Cleaning Body:
    - Width: 97.29"
    - Depth: 28.56"
    - Height: 56.5"
- Electrical: 120VAC/20A, 1 Phase
- Nitrogen or CDA: 75PSI, regulated
- Spin Station Exhaust:
  - 50-60 SCFM @ 2" H<sub>2</sub>O
- DI Water: 132 GPH Peak @ 50 PSI





## Process Applications

The DSS-200 Series 2 can accommodate a wide range of cleaning process applications such as:

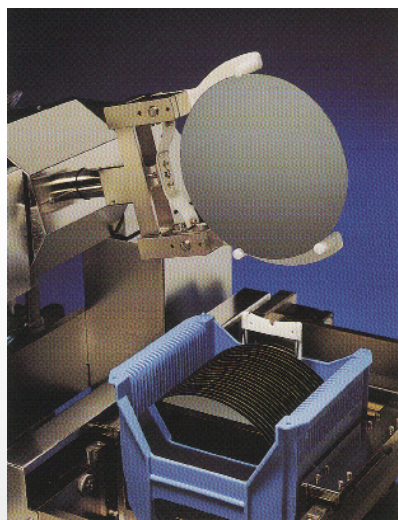
- Post-CMP Cleaning: Oxide, Polysilicon, Nitride, Tungsten, Aluminum, Copper
- General Purpose Cleaning: Pre-and Post-CVD Oxides, Post-Metallization, Surface Topography, Trench
- Silicon Cleaning: Prime Silicon, Reclaim Silicon, Fab Monitor Reclaim

## System Configuration

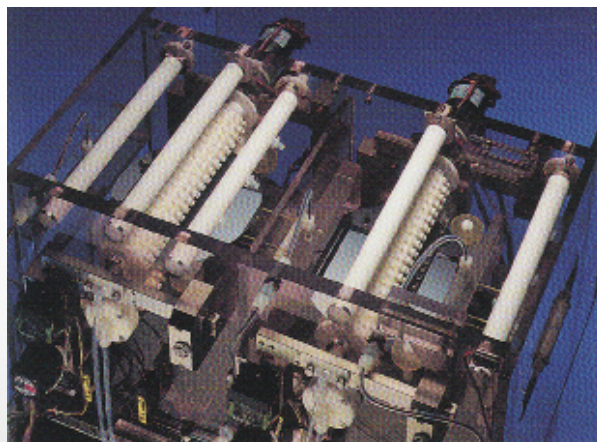
The DSS-200 Series 2 utilizes a simple brush scrubbing process to effectively clean your wafers. First, the wafer cassette is placed in the load station, where the wafers are continually sprayed with DI water. One by one, each wafer is transferred to the first of the two sequential brush modules. Both sides of the wafer are cleaned simultaneously, with no edge exclusion. By using a dual brush box design, the DSS-200 Series 2 can process wafers faster than typical brush-scrub systems.

Following the dual brush modules, wafers are delivered to the spin/rinse/dry process module. The unit features edge-only contact and an optional megasonic rinse sweep that has demonstrated effective cleaning results on metals and surface topography. Use of a heat lamp assembly allows for fast dry cycles. Typical results show a 200mm wafer can be dried in under 15 seconds using only an 1800 rpm spin cycle.

At the completion of the process cycles, the wafers are removed and placed in the output cassette by an edge gripping unload handler. No contact of the wafer front or backside occurs from the spin module to the output cassette.



Output Cassette



Dual Brush Box

## About Axis Technology

Axis Technology is the industry expert in providing material processing and CMP foundry and wafer grinding services, process tools, and custom configured upgrades that are designed to meet your process and production requirements. We deliver leading-edge CMP, wafer thinning and wafer polishing solutions for semiconductor, MEMS and substrate applications.

Axis Technology sets the standard for creating enabling technologies for field proven production and legacy process equipment.

Customer support services include tool upgrades, spare parts, and field service support for a range of CMP and wafer grinding tools, including installed legacy tools.

## Performance Guarantee

Axis Technology is committed to customer satisfaction. While we aggressively pursue the cost and performance goals of our clients, we never compromise on quality or technical performance.

Contact Axis Technology or your local Axis Technology Sales Representative to discuss how Axis can help you get the most from your equipment investment.