

OnTrak DSS 200 Series 1

OnTrak DSS 200 Series 1 Double-sided PVA Scrubber

is designed to clean 100mm to 200mm wafers. It provides consistent, ultra-clean processing for a wide variety of applications.



Standard Features Include:

- Universal 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
- Wafer size kits for 100 to 200mm
- Signal light tower

Process Applications

The DSS-200 Series 1 is a proven, cost-effective cleaning system for the following applications:

- Post-Chemical-Mechanical Polishing (CMP) Cleaning: Oxide, Polysilicon, Nitride, Tungsten, Aluminum and Copper
- General purpose cleaning: post-CVD oxides, post-metallization, surface topography cleaning, trench cleaning
- Silicon cleaning: prime silicon, reclaim silicon, fab monitor reclaim

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.

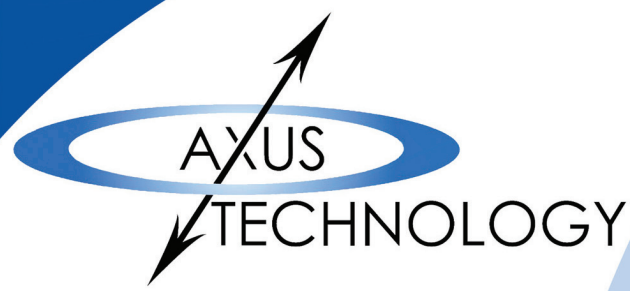
In addition to offering field service, parts, and technical training, Axus Technology's foundry and applications engineers can provide users with process development and engineering services using our fully-equipped applications lab.

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:
 - Width: 94.5"
 - Depth: 28.5"
 - Height: 72.0"
- Electrical: 120VAC/20A, 1 Phase
- Nitrogen or CDA: 60PSI, regulated
- Spin Station Exhaust: 50 SCFM, @ 2" H2O
- DI Water: 138 GPH Peak @35-42 PSI



System Configuration

Using an in-line, single-wafer processing platform, the DSS-200 Series 1 can process wafers at high throughput rates. Typical processes run from 41 to 60 wafers per hour, depending on the application.

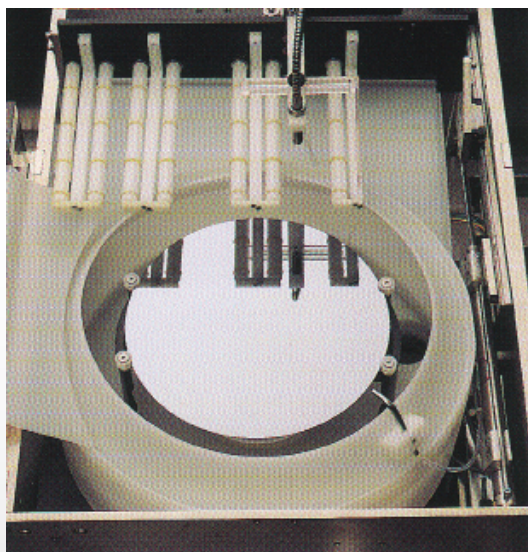
The system is configured with a wet spray load station, two dual-sided brush modules, a spin/rinse/dry module and an unload handler assembly. The optional submersible load station keeps wafers immersed in DI water while waiting for processing.

As the wafer passes through each process module, the top and bottom surfaces are sprayed with DI water. Constant flowing of the process water allows the brushes to flush continuously during both process and idle modes. Throughout the entire DI water plumbing system, the DSS-200 allows for constant drip flows when wafers are not being processed. The system has no water "dead legs" in the plumbing.

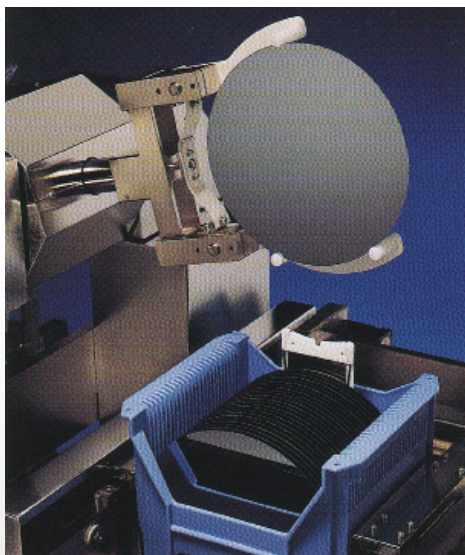
In the spin station module, wafers are spun, rinsed, and dried. By using a heat lamp assembly, 200mm wafers are spun dry in under 15 seconds at <2000 rpm.

By including the optional Megasonic Sweep Assembly, the process engineer now has the ability to clean difficult wafer topographies and metal surfaces.

Maintenance functions allow trained personnel access to all hardware operations inside the control system for fast, easy troubleshooting.



Spin Dry Module



Output Station

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.