

Strasbaugh 7AA

Strasbaugh's 7AA Advanced Wafer Grinder is an automated in-feed grinder capable of performing a wide variety of grinding applications on wafers ranging from 75 to 150 mm in diameter.



Features

- Concentrically mounted grinding wheels on a single air bearing spindle for easy alignment and dual-grind capability
- Single-chuck design for stack removal and fine finishing
- Three-arm, two position pick and place robot for reliable wafer movement
- Dual input and output cassettes for high volume

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.

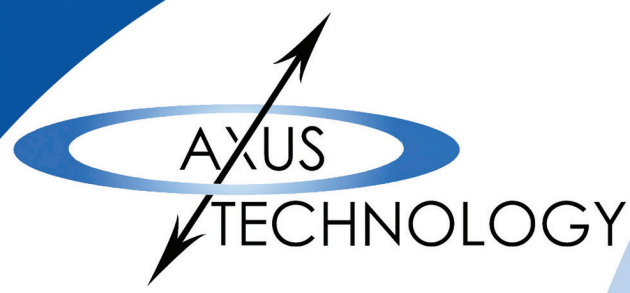
In addition to offering field service, parts, and technical training, Axus Technology's foundry and applications engineers can provide users with process development and engineering services using our fully-equipped applications lab.

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 Strasbaugh tools, please contact either Tim St. Marie or Barrie VanDevender at our Chandler, AZ facility.

Facilities

- Dimensions
 - Width: 72"
 - Depth: 42"
 - Height: 77"
- Electrical: 208 V, 3ph, 60Hz, 30 amps
- DI Water: 3 GPM at 30 PSI
- Compressed Air: 15 SCFM at 90 psi min.
- Exhaust: 1000 cfm, 6" diameter outlet



Force Adaptive Grinding

The Strasbaugh 7AA combines proven vertical infeed grinding technology with Force Adaptive Grinding. The 7AA lowers the diamond wheels onto the wafer limiting the total downforce that can be applied to the wafer to a predetermined maximum.

This protects the machine, the diamond wheels, and your valuable product from being overstressed, yet allows the machine to grind at its maximum possible rate.

Closed Loop Thickness Control

The Model 7AA uses closed loop thickness control to reduce thickness errors and eliminate regrinds. Through continuous monitoring the computer determines if the final thickness varies from the target thickness and adjusts the grind spindle position on the wafer currently being ground.

Automatic Spindle Height Setup

The 7AA offers automatic spindle height setup allowing the operator to determine the position of the diamond wheel relative to the work chuck through the operator screen.

7AA Manual Version

The manual version uses the same grinding method and built-in measurement technologies as the automated tool. The manual tool allows for processing of non-standard shapes and substrates up to 300 mm in diameter. Using templates and appropriate size wafer chucks, the 7AA manual tool supports processes for a wide range of materials as well as various shapes and sizes.



Axis Technology 7AA Manual Tool

Axis Technology 7AA Manual Tool,
Measurement Station in Operation



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.