



ax200

The Versamill ax200 is a compact 5-axis dental machining center designed for the wet or dry precision machining of copings, crowns, bridges, dentures, titanium custom abutments, models and more.

Couple Axsys Advantage exclusive enhancements like enhanced guarding, super-tuned motors, and high-speed probing with standard Versamill features like heavy-duty aluminum-alloy frame, large-diameter ballscrews, closed-loop drive system, linear guideways, heavy-duty gear reducers, and more enable you to quickly manufacture restorations with perfect fits and virtually no post-processing.

With the versamill ax200 you get a complete, industrial-quality manufacturing solution used by dental laboratories and milling centers around the world that is specifically designed to meet the demanding support requirements of dental laboratores & milling centers.

### Materials

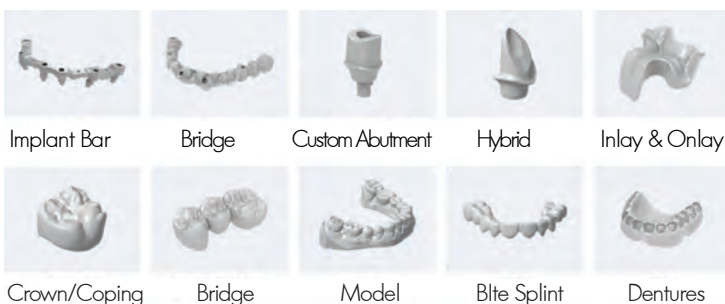
Pre-milled Ti Blank	○
CoCr, Ti, & NiCr Disc	○
Lithium Disilicate	○
Nanocomposite	○
Zirconia	○
PMMA	○
PEEK	○
Pekkton	○
Wax	○



The Versamill ax200 is the premiere glass & abutment milling solution, producing off-the-machine quality simply not available with any other milling solution.



### Indicationsons



### SPEED WITHOUT SACRIFICE

- Single-unit zirconia crowns in less than 14 minutes.
- Single-unit glass-ceramic crowns in as little as 15 minutes.
- 6-implant zirconia implant bridges in less than 105 minutes.
- Titanium abutments in 20 minutes or less.

### Features

- Heavy, vibration absorbing cast aluminum-alloy frame.
- Zero-stack tolerance, 5-axis trunnion.
- Liner guides & ballscrews with preloaded bearings.
- 5-axis closed loop system with servo motors and position encoders assure smooth, quiet and accurate dynamic motion.
- 6.0mm tooling



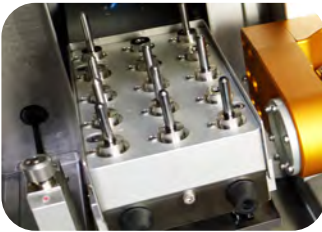
Powerful Spindle and Coolant Delivery.  
Class-leading 3.0kW spindle with coolant delivery system that assures complete saturation of the machining area.



Heavy, cast aluminum-alloy frame provides the weight and rigidity required to absorb vibration and dissipate heat.



5-axis operation with quick-change universal fixture.  
Rotary axis trunnion driven by high-torque reduction gears with fully supported zero stack tolerance quick-change part holding fixture.

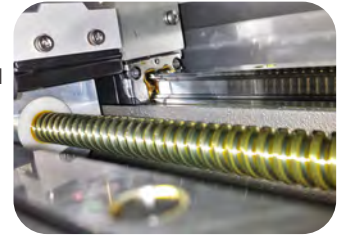


15-station ATC houses sturdy, flex-resisting 6mm diameter cutting tools.  
The spacious work area of the Versamill makes for easy operation and part handling.

## ax200



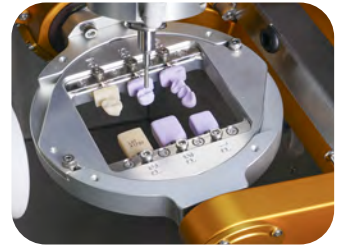
Use of large-diameter precision ball screws with anti-backlash ball nuts along with linear guides and closed-loop servo drives assures superior dynamic motion and positional accuracy.



Quick-change 6-unit pre-form abutment cartridge.  
Facilitates fast production of custom implant abutments from titanium pre-form blanks.



Quick-change 6-unit CAD-block cartridge.  
Facilitates high production of lithium disilicate, Lava Ultimate and other pre-mounted dental materials.



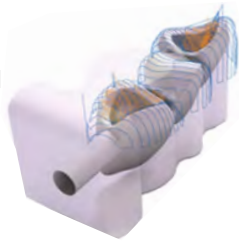
Heavy-duty Machine stand provides stability and storage while housing the cooling liquid filtration and delivery system. A separate, cabinet is provided to house the water-based filtration and delivery system.



### CAM SOFTWARE: PROVEN & FULL-FEATURED

The Versamill ax200 is powered by your choice of GO2cam or hyperDENT CAM software from FOLLOW-ME! Technology Group.

These software products incorporate efficient, proven milling cycles to provide maximum process stability and indication quality. Includes patent-protected milling strategies used for complex materials that, coupled with our expert machining templates, ensure perfect surface quality while minimizing cycle time and maximizing tool life.



**hyperDENT**

**GO2cam**

#### OPTIONAL MODULES

Full Denture, Hybrid, Implant, Template Generator

Multi-Import & Nesting, Implant Bar/Bridge, Expert, Expanded Import

*As with our Versamill machine technology, we leverage our 40 years of digital design and manufacturing experience - spanning all market segments including the dental industry - to provide additional software enhancements over and above a vendors' standard deliverable product. These unique enhancements, which are not available from any other supplier, provide additional functionality, while assuring unrivaled reliability and increased productivity.*

#### Versamill ax200 Specifications

Number of axes:		5 simultaneous
Travel (x, y, z axis):	(mm)	330 x 146x 145
A Rotational axis:	(degrees)	360 °
B Rotational axis:	(degrees)	±30 °
Drive Mechanism:		Ballscrew
Way System:		Linear Guide
Repeatability:	(µm)	±1.0
Spindle Power:	(watts)	AC 3.0kW max
Spindle Speed:	(rpm)	6,000 - 60,000
ATC number of tools:	6.0mm Ø	15
Axis Drive System	Closed-Loop	Servo Motor w/Encoder
Blank disc diameter:	(mm)	98 Ø
Machine size (W x H x L):	(mm)	743 x 827 x 1782
Table size (W x H x L):	(mm)	743 x 827 x 950
Weight:	(Kg)	405Kg
Input Power	(VAC/50-60Hz)	240 Single Phase