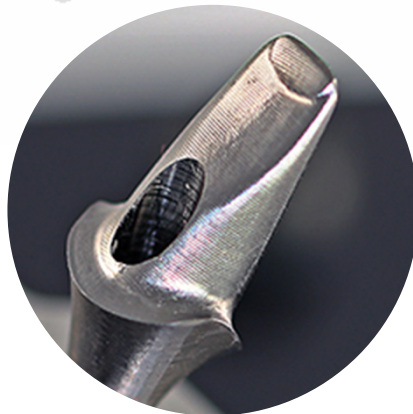


Don't let the small footprint fool you. Constructed utilizing the technology found in "full-frame" CNC industrial machines, the Versamill 5X-200 is designed to perform reliably with high precision for the long term.

This purpose-built, open source 5-axis mill is designed to provide owners with maximum flexibility and versatility in a dental manufacturing system. The Versamill 5X-200 can accept input from popular dental design programs and process virtually any dental milling materials including wax, zirconia, acrylic, composites, stainless steel, titanium, ceramics, titanium, cobalt-chrome and others.

With the versamill 5X200 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 laboratories & milling centers.



#### INDICATIONS

- Inlays, onlays, copings, crowns, veneers, splints & guides.
- Removable & fixed bridges, models, abutments & bar overdentures (with optional modules).
- Process PMMA, zirconia, PEEK composites glass-ceramic, resins, titanium, cobalt-chrome, and more.
- Block sizes up to 40mm.

#### SPEED WITHOUT SACRIFICE

The strength and rigidity of the Versamill 5X200 coupled with the undercut machining capability of full 5-Axis control provides perfect fits, great anatomic detail and the best possible restorative margins with faster cycle times and greater tool life.

- 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.

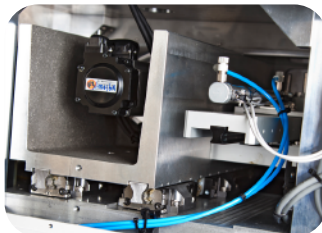
#### RIGID CONSTRUCTION

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





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.



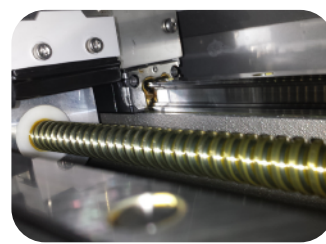
5-axis operation with quick-change universal fixture.  
Rotary axis trunnion driven by high-torque reduction gears with fully supported zero stack tolerance quick-change part holding fixture.



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.

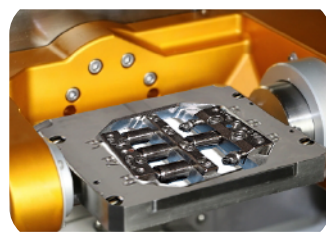


Use of large-diameter precision ball screws with anti-backlash ball nuts along with linear guides and closed-loop servo drives assures superior dynamic motion and positional accuracy.



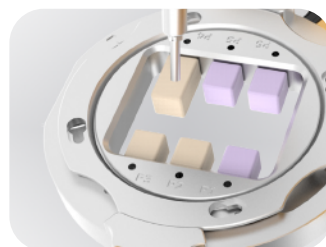
Quick-change 6-unit pre-form abutment cartridge.

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

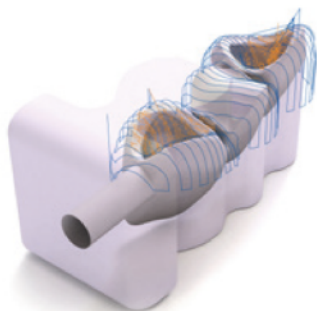
The Versamill 5X200 is powered by hyperDENT CAM software from FOLLOW-ME! Technology Group.

hyperDENT incorporates efficient proven milling cycles from the industrial segment to provide maximum process stability and indication quality, including patent-protected milling strategies used for complex materials ensuring perfect surface quality while maximizing tool life.



### OPTIONAL MODULES

Full Denture, Template Generator



*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 5X200 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