



ax 300PRO

The Versamill AX300PRO 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.

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.



Materials

| | |
|---------------------|---|
| Pre-milled Ti Blank | X |
| CoCrr & NiCr Disc | X |
| Ti Disc | X |
| Lithium Disilicate | ○ |
| Nanocomposite | ⊙ |
| Zirconia | ⊙ |
| PMMA | ⊙ |
| PEEK | ⊙ |
| Pekkton | ⊙ |
| Wax | ⊙ |

⊙ High Compatibility / X Not Compatible /
○ Compatible (not intended for continuous production)

Features

- 5-Axis simultaneous operation
- Rigid, vibration dampening construction
- Precision guides, linear ways and ball screws
- Low maintenance and high reliability
- 4mm shaft tooling
- Tool measurement probe with breakage detection
- Wet or dry milling
- High Precision with $\pm 1\mu\text{m}$ Resolution

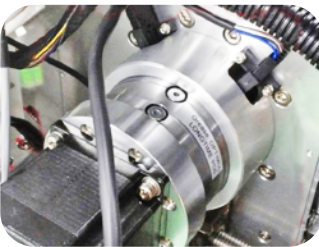




Labial (or Buccal) side texture and undercut area precision processing minimize post-processing time. You can easily exchange from disk to CAD block as it uses cartridge type materials.



Heavy-gage aluminum fabricated frame provides the 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.

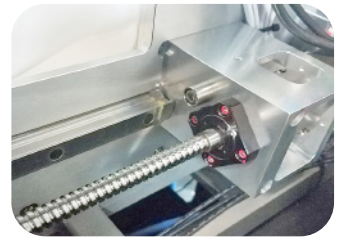


12-station ATC houses sturdy, flex-resisting 4.0mm diameter cutting tools. The spacious work area of the Versamill makes for easy operation and part handling.



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



Powerful, High-speed Precision Spindle. Class-leading, 80,000 rpm, .5kW spindle delivers up to 8.4Nm torque.



Quick-change 6-unit CAD-block cartridge. Facilitates production of Nano-composite (Vericom Mazic® duro, Lava Ultimate® etc.), and other pre-mounted dental materials.



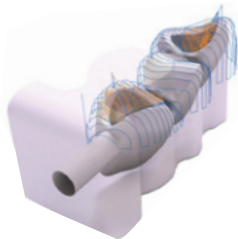
Optional Heavy-duty Machine Stand. Provides stability, storage and mobility to meet your ever-changing environmental needs.



CAM SOFTWARE: PROVEN & FULL-FEATURED

The Versamill AX300PRO 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

All Versamill machines come with Axsys' award-winning support and unique software and machine enhancements—not available from any other supplier. We leverage over 40 years of digital design and manufacturing experience—spanning a variety of industries—to provide additional functionality, unrivaled reliability, and increased productivity.

Versamill AX300PRO Specifications

| | | |
|---------------------------|---------------|-------------------------|
| Number of axes: | | 5 simultaneous |
| Travel (x, y, z axis): | (mm) | 145 x 110 x 85 |
| A Rotational axis: | (degrees) | 360 ° |
| B Rotational axis: | (degrees) | ±30° |
| Drive Mechanism: | | Ball screw |
| Way System: | | Linear Guide |
| Repeatability: | (µm) | ±5.0 |
| Spindle Power: | (watts) | AC 0.5kW max |
| Spindle Speed: | (rpm) | 6,000 - 80,000 |
| ATC number of tools: | 4.0mm Ø | 12 |
| Axis Drive System | Closed-Loop | Micro-stepper w/Encoder |
| Blank disc diameter: | (mm) | 98 Ø |
| Machine size (W x H x L): | (mm) | 540 x 580 x 630 |
| Table size (W x H x L): | (mm) | 540 x 580 x 950 |
| Weight: | (Kg) | 90Kg |
| Input Power | (VAC/50-60Hz) | 100 - 240 Single Phase |