THE AUTOMATED ALL-IN-ONE SOLUTION

The Versamill AX500 line of dental machining centers features the latest in high-speed dental machining technology. Designed to meet the demanding requirements of modern CAD/CAM processing, AX500 solutions allow for the reliable, precision processing of virtually all present and future dental materials in a single, simple system.

The standard zero-point clamping system of the Versamill AX500 and AX500L allows a fast and precise change of the complete blank holder.

Additionally, the zero-point clamping system allows you to secure a wide range of adapters to facilitate the processing of dental materials in a wide variety of form factors, including pre-milled abutment blanks and glass-ceramic blanks. C-Clamp holders are also supported.

Designed with "Factory of the Future" automation in mind, The Versamill AX500L fully supports Digital Dentistry 2.0 automation concepts. With its fully automated blank magazine loader, the versatile, precision machining of innumerable restorations in up to 12 blanks can be accomplished in unmanned operation.

LABIAL SIDE MACHINING

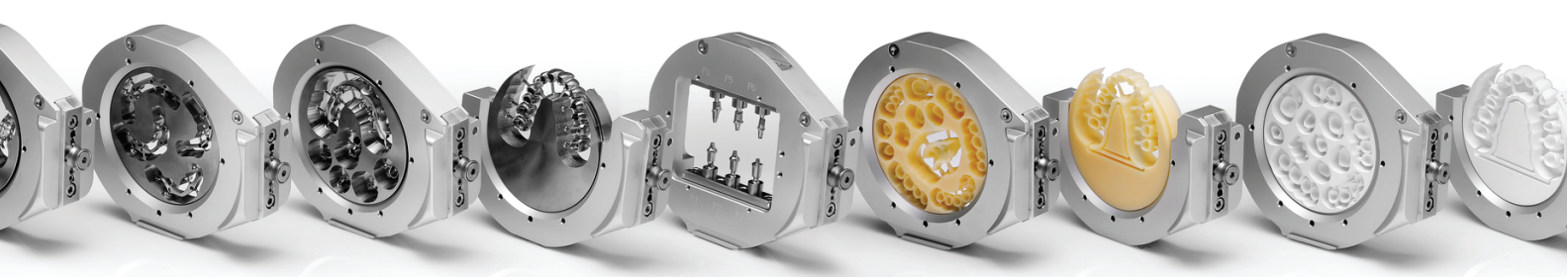
With the Versamill AX500/500L open C-Type Jig, you can minimize time spent in the precision machining and post-machining of labial (or buccal) side texture and undercut areas.

WIRELESS AUTO CALIBRATION

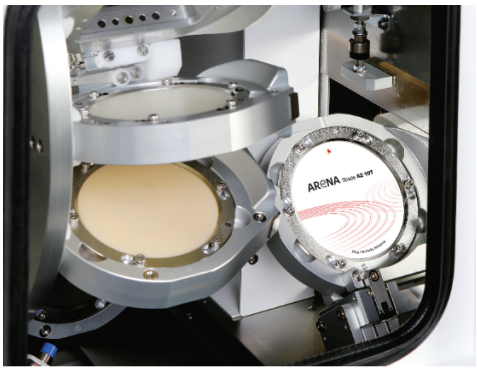
Wireless Auto Calibration improves usability and the accuracy by maintaining the best operating condition. The Auto Calibration function even assures the location each position of a pre-milled blank allowing the fabrication of precision custom abutments..

BEST-IN-CLASS SPINDLE

With the powerful spindle from Sycotec in Germany, the Versamill AX500 and AX500L boasts excellent performance in the machining of all dental CAD/CAM materials including metals such as: Co-Cr, titanium, and Ni-Cr.



With the AX500/500L Zero-Point System, you can achieve optimum origin-point precision despite repeated jig replacement allowing for the precision machining of complex restoration designs. Servo motors with built-in absolute encoders and auxillary support compensates for even the finest of vibrations.



Materials			Applications		
Model	AX500L	AX500	Model	AX500L	AX500
Pre-milled Blank (Titanium)	◎ (10ea)	◎ (10ea)	Implant Bar	◎	◎
Co-Cr & Ni-Cr Disk	○	○	Screw-Retained Bridge (Crown & Coping)	◎	◎
Titanium Disk	◎	◎	Customized Abutment	◎	◎
Lithium Disilicate	○	○	Hybrid Abutment	◎	◎
Nanocomposite	◎	◎	Inlay & Onlay	◎	◎
Zirconia	◎	◎	Crown & Coping	◎	◎
PMMA	◎	◎	Crown & Coping Bridge	◎	◎
PEEK	◎	◎	Model	◎	◎
Wax	◎	◎	Bite Splint	◎	◎
			Denture	◎	◎

◎: High Compatibility / O: Compatibility / X: Non-Compatibility

Specifications

Model		AX500L	AX500
Axis		5-Axis	5-Axis
Processing		Wet and Dry	Wet and Dry
Spindle Power		AC 2.2kw	AC 2.2kw
Max. RPM		60,000	60,000
A.T.C		20	20
Tool Shank (mm)		Ø6	Ø6
Motor		Servo	Servo
Drive Mechanism		Ball Screw	Ball Screw
Way System		Linear Guide	Linear Guide
Machine Size (W*D*H)		1100*910*840mm	710*910*840mm
Total Size (W*D*H)		1100*910*1735mm	710*910*1735mm
Weight (Machine / Table)		330kg / 87kg	230kg / 65kg
Travel	X,Y,Z axis	228*128*130mm	228*128*130mm
	A / B axis	360°/ ±30°	360°/ ±30°
Number of Jig		12	-
Jig exchange		Auto	-