

Precision Meets Perfection **Crafting Smiles with Every Mill**

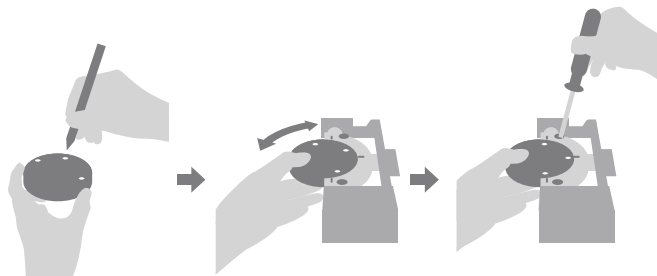


DWX-52Di Plus

Precision Performe and Efficiency Expert

Introducing the New DWX 52Di Plus 5-Axis Dental Mill for Maximum Efficiency and Production

When designing this new model of the industry's best-selling series of dental mill. It was important to keep everything users love. Then make it even better, capable of producing a wide range of restorations, including crowns, copings, bridges, inlays and onlays, veneers, abutments, implant bars, screw-retained crowns, the DWX-52Di Plus 5-Axis dental mill offers a high reliable, precise, enhanced capabilities to make your lab more efficient and productive.



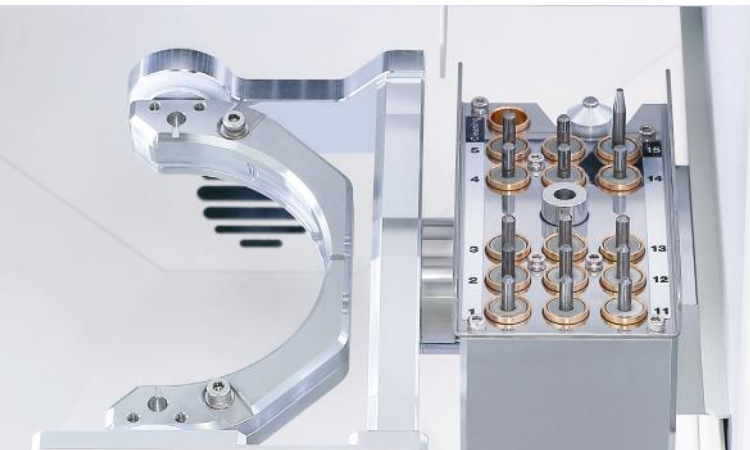
New C-type Clamping System

The new C-type clamp system for 98.5mm discs offers fast and secure set-up of Zirconia, Wax, PMMA, gypsum, PEEK, glass fiber-reinforced resin, composite resin and CoCr sinter metal materials. The new C-type clamp enables greater material utilization.



More Comprehensive Solution

The DWX-52Di Plus 5-Axis dental mill can produce a wide range of restorations, including crowns, copings, bridges, inlays and onlays, veneers, abutments, implant bars, screw-retained crowns.

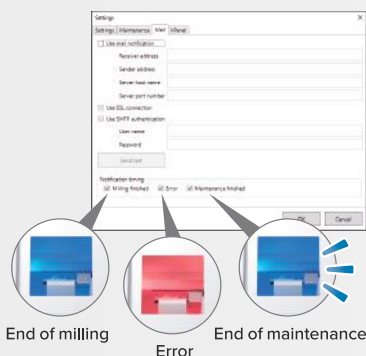


15-Station Automatic Tool Changer (ATC)

The DWX-52Di Plus provides continuous, unattended milling with a 15-station Automatic Tool Changer (ATC) and includes dedicated slot for an included cleaning tool. Now you can load the included cleaning tool into the ATC and set it up to automatically sweep away zirconia powder and other material dust for a cleaner milling surface.

User-friendly Design

A user-friendly Virtual Machine Panel (Vpanel) enables convenient production and device monitoring from computer. Email notifications keep you informed of operational status, including milling and maintenance completion, or any errors in order to minimize down time.



Precision 5-Axis Milling

The DWX-52Di Plus simultaneously rotates and tilts discs for deep undercuts and milling large arch applications and other full-mouth restorations with ease.

Intelligent Tool Control

Vpanel operation has upgraded to include the Intelligent Tool Control function that intuitively swaps out tools from their stocker position when they have reached their user-defined lifespan with a designated replacement tool without needing to pause production.

Comprehensive Support Network

In addition to online or telephone assistance, DGSHAPE also offers educational seminars aimed at increasing customers' familiarity and confidence with products and services. Service engineers are also available worldwide to assist customers with any questions they may have.



Specifications		
Millable Material	Zirconia, Wax, PMMA, Composite Resin, PEEK, Gypsum, Glass-Fiber-Reinforced Resin, CoCR sinter metal	
Loadable workpiece shape	Disc-type (with step)	Step section: 98.5 mm (3.88 in.) (diameter), height 10 mm (0.39 in.) Body section: 95 mm (3.74 in.) (diameter), height max. 60 mm (2.36 in.)
Operating speed	XYZ axis: 6 to 1,800 mm/min. (0.24 to 70.9 in./min.)	
Spindle motor	Brushless DC Motor	
Spindle rotating speed	6,000 to 30,000 rpm	
Rotatry axis travel angle	A: $\pm 360^{\circ}$, B: $\pm 30^{\circ}$	
Number of milling burs housed	15	
Attachable milling bur	Shank diameter: 4 mm (0.16 in.), Length: 40 to 55 mm (1.57 to 2.17 in.)	
Compatible compressed air	0.02 to 0.2 Mpa	
Control command set	RML-1, NC code	
Interface	USB	
Power requirements	AC 100 V to 240 V $\pm 10\%$, 50/60 Hz (overvoltage category II, IEC60664-1), 2.0 A	
Power Consumption	Approx. 200 W	
Operating noise	During operating: 70 dB (A) or less (when not cutting), During standby: 45 dB (A) or less	
External dimensions	Widht x Depth x Height: 495 x 660 x 600 mm (19.5 x 26.0 x 23.6 in.)	
Weight	67 kg (147.7 lbs.)	
Installation environment	Indoor use, Altitude: Up to 2,000 m (6,562 ft.), Temperature: 5 to 40°C (41 to 104°F), Humidity: 35 to 80% (no condensation), Ambient pollution degree: 2 (as specified by IEC 60664-1), Short-term temporary overvoltage: 1,440 V, Long-term temporary overvoltage: 490V	
Included Items	Power cord, USB cable, Manuals, DGSHAPE Software Package CD, Detection pin, Automatic correction jig, Material Adapter Rack, Pin-type material adapter, Hexagonal driver, Spanner (for clamp), Spanner (for spindle), Milling bur holders, Milling bur positioner, Cleaning tool, Option adapter ID labels, Dust collection hoses, Dust collection hose adapter, Regulator, Cleaning brush etc.	

DWX-52D Plus

New Clamping System:

A new snap-on clamp system with 6 included adapters for 98.5mm discs offer fast and secure set-up of different materials.

User-friendly Design:

A user-friendly Virtual Machine Panel (Vpanel) enables convenient production and device monitoring from your computer.



**5
Axis**

**15
Tools**

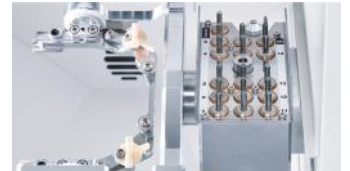
Dry

Mill

**6
Adapter**

Adaptor Rack for Increased Efficiency:

6 adapters for 98.5mm material discs are included as standard with the DWX- 52D Plus allowing you to queue up multiple milling jobs for efficient job management. An optional disc adapter rack is also available.



Specifications	
Millable Material	Zirconia, Wax, PMMA, Composite resin, PEEK, Gypsum, Glass fiber reinforced resin, CoCr sinter metal
Spindle Rotating Speed	6,000 to 30,000 rpm
Rotary Axis Travel Angle	A : $\pm 360^\circ$, B: $\pm 30^\circ$
Number Of Milling Burs Housed	15
Compatible Compressed Air	0.02 to 0.2 Mpa
Interface	USB
Power Consumption	Approx. 200 W
Weight	67 KG (147.7 lbs.)

DWX-52DCi Plus

Increased productivity and maximum versatility:

A snap-on clamp system for the Automatic Disc Changer enables loading of up to six 98.5mm discs for continuous milling of multiple jobs

DWINDEX Software Monitors Your Milling Performance: Monitor milling operations and help you determine ROI so you can better plan, identify and manage machine productivity and lab profitability.

Reliable, Unattended Milling: Load the 15-station Automatic Tool Changer

Precision 5-Axis Milling: A smooth and steady ball screw-driven system offers exceptionally precise results.

The ultimate in 24-hour productivity



5
Axis

15
Tools

Dry

Mill

6 Automatic
Disc Changer



Specifications

Millable Material	Zirconia, Wax, PMMA, Composite resin, PEEK, Gypsum, Glass fiber reinforced resin, CoCr sinter metal
Spindle Rotating Speed	6,000 to 30,000 rpm
Rotary Axis Travel Angle	A : $\pm 360^\circ$, B: $\pm 30^\circ$
Number Of Milling Burs Housed	15
Compatible Compressed Air	0.02 to 0.2 Mpa
Interface	USB
Power Consumption	Approx. 200 W
Weight	105 KG (231.5 lbs.)

DWX-53DC

ADVANCED MILLING TECHNOLOGY The Best Is Now Even Better

The completely new design allows for high-precision and rapid milling.

Storage: All the accessories can be stored at the storage space.

Tablet stand: By loosening the screws on the top of the storage, the tablet stand can be pulled out.

ZS-53DC: The tool gripping force has been increased compared to the ZS-52D, resulting in further improvement of machining stability.

Auto Tool Changer (ATC) Milling bur change operation is performed by the ATC motor. Compressed air is not necessary for ATC. (Compressor is not used for ATC.)

Adapter replacement: In the DWX-53DC, the changer unit operates in the vertical direction. For the desired adapter, the AB axis unit moves forward and changes the adapter.

ATC Magazine and Milling Bur Sensor: 15 milling burs can be set to the ATC magazine.

Air Flow Sensor: Cutting waste is taken out using dust collector. The air flow sensor monitors the air flow to prevent the machine from operating when the dust collector is not used.

Milling burs: Only milling burs with a shank diameter of 4 mm can be used. Use the milling bur positioning jig to match the length of the milling bur.



**5
Axis**

**15
Tools**

**Dry
Mill**

**Automatic
Disc Changer**

Specifications

Millable Material	PMMA, Zirconia, Wax, Composite Resin, PEEK, Gypsum, Glass-Fiber-Reinforced Resin, Pre-Sintered Chromium Cobalt
Spindle Speed	30,000 RPM
Rotary Axis	A : $\pm 360^\circ$, B: $\pm 35^\circ$
Air Pressure Requirements	0.4 Mpa
External Dimensions (WxDxH)	23.62 in. x 29.25 in. x 32.75 in.
Weight	264.55 lbs. (120 kg)
Disc Changing Time	1 minute, 7 seconds
Material Adapter Compatibility	Standard Adapter: ZMA-53DC, Open-Edge Adapter: ZMA2-53DC
# of Material Adapter Patterns	100
Additional Features	Redesigned, more robust spindle for 3x the gripping power with PMMA applications. Built-In Integrated Webcam, Automatic Extractor Filter Cleaning, Thermohydrrometer Accelerometer Sensors
Accessories Included	Dedicated Extraction Unit and Connection Cable, Built-In Integrated Webcam, Material Adapter Disc Rack (ZR-53DC), Standard Material Adapters (6-Pack, ZMA-53DC), Open-Edge Material Adapter (ZMA-53DC), 4.0 mm Roughing Tool (ZRB-200D), Diamond-Like Coated (DLC) Milling Tool Set (ZPB-100D, ZPD-50D, & ZPB-30D)
Attachable Bur	Shank 4 mm (Diameter), 40-55 mm (Length)
Loadable Workplace	Step Section: 98.5 mm Diameter, 10 mm Height; Body Section: Max Height 60 mm

Specifications		
Millable Material	Zirconia, Wax, PMMA, Composite Resin, PEEK, Gypsum, Glass-Fiber-Reinforced Resin, CoCR sinter metal	
Loadable workpiece shape	Disc-type (with step)	Step section: 98.5 mm (3.88 in.) (diameter), height 10 mm (0.39 in.) Body section: 95 mm (3.74 in.) (diameter), height max. 60 mm (2.36 in.)
Operating speed	XYZ axis: 6 to 1,800 mm/min. (0.24 to 70.9 in./min.)	
Air Pressure Requirement	0.4 Mpa	
Spindle rotating speed	6,000 to 30,000 rpm	
Rotatry axis travel angle	A: $\pm 360^{\circ}$, B: $\pm 35^{\circ}$	
Number of milling burs housed	15	
Attachable milling bur	Shank diameter: 4 mm (0.16 in.), Length: 40 to 55 mm (1.57 to 2.17 in.)	
Disc Changing Time	1 min. 7 sec.	
Control command set	RML-1, NC code	
Interface	USB	
Power requirements	AC 100 V to 240 V $\pm 10\%$, 50/60 Hz (overvoltage category II, IEC60664-1), 2.0 A	
Power Consumption	Approx. 250 W	
External dimensions	Widht x Depth x Height: 495 x 660 x 600 mm (23.62 x 29.25 x 32.75 in.)	
Weight	264.55 lbs (120 kg)	
Additional Features	Redesigned, more robust spindle for 3x the gripping power with PMMA applications. Built-In Integrated Webcam, Automatic Extractor Filter Cleaning, Thermohydrometer Accelerometer Sensors	
Accessories Included	Dedicated Extraction Unit and Connection Cable, Built-In Integrated Webcam, Material Adapter Disc Rack (ZR-53DC), Standard Material Adapters (6-Pack, ZMA-53DC), Open-Edge Material Adapter (ZMA-53DC), 4.0 mm Roughing Tool (ZRB-200D), Diamond-Like Coated (DLC) Milling Tool Set (ZPB-100D, ZPD-50D, & ZPB-30D)	

ARUM 5X-300 Pro

Bright Future, Right System



Efficient C-TYPE JIG

Labial (or Buccal) side texture and undercut area precision processing minimize post-processing time.

Easy and easy material change

You can easily exchange from disk to CAD block as it uses cartridge type materials.

Zirconia

PMMA

Resin

Wax

Ceramic Glass



RPM
80,000



Wet



Dry



Labial



Zirconia



CAD Block



5Axis

All in One System

An external compressor is not required, and all additional devices (Dust Collector, Coolant System) are built inside the table to overcome installation space constraint and minimize noise. ** German Renfert SILENT compact CAM model is used (optional)

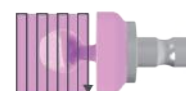


High speed 80,000 RPM

By choosing one from 2 modes of roughing process (U peeling milling, and Parallel milling), you can process glass ceramic materials more effectively.



[U peeling milling]



[Parallel milling]



Accessories



Disk Cartridge
(C-Type)



CAD Block
Cartridge

ARUM 5X-300 Pro

Materials & Applications Info.

Materials		Applications	
Pre-milled Blank (Titanium)	X	Implant Bar	X
Co-Cr & Ni-Cr Disk	X	Screw-Retained Bridge (Crown & Coping)	X
Titanium Disk	X	Customized Abutment	X
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

Axis	5-Axis	Drive Mechanism	Ball Screw
Processing	Wet and Dry	Way System	Linear Guide
Spindle Power	AC 0.5kw	Machine Size (W*D*H)	568*638*645mm
Max. RPM	80,000	Total Size (W*D*H)	568*641*1583mm
A.T.C	12	Weight (Machine / Table)	90kg / 65kg
Tool Shank (mm)	Ø4	Travel	X,Y,Z axis
Motor	Stepping		A / B axis
			±30° / 360°

Tool List

Material	Code	Ø	Size	Material	Code	Ø	Size
Zirconia	ZB-46	2.0	D2.0*L18*50	Glass Ceramic	DG-52	2.5	D2.5*L13*44.5
	ZB-47	1.0	D1.0*L16*50		DG-53	1.5	D1.5*L10*44.5
	ZB-48	0.6	D0.6*L10*45		DG-54	1.0	D1.0*L10*44.5
	ZB-65	0.3	D0.3*L12*45		DG-545	0.6	D0.6*L08*41
PMMA	MOB-56	3.0	D3.0*L20*50	Flat Endmill	ZF-70	1.7	D1.7*L18*50
	PB-49	2.0	D1.7*L18*50		ZF-75	0.6	D0.6*L08*45
	PB-50	1.5	D1.5*L14*47	T-Cutter	TC-80	1.8	D1.8*L08*45
	PB-51	1.0	D1.0*L10*44		TC-98	2.0	D2.0*L08*45

* Products are subject to change without notice to improve quality, function, design or otherwise.

ARUM 5X-450

FAITHFUL MILL FOR MAIN PROSTHESIS

The 5-axis, wet & dry milling machine



Customized Abutment

Zirconia

PMMA

Resin



Milling of various prostheses

With use of open C type cartridge, you can precisely machine Labial Side (Buccal Side) and Under-Cut zone that requires additional machining. With the amazing power of the best-in-class spindle AC 1.28kw, you can machine various shapes and materials such as Denture, Zirconia, CAD Block, and Titanium milled Bar. etc.



Wet



Dry



Labial



Occlusal



Cuff



Disk



CAD Block



5Axis



C-Type Cartridge

With use of open C type cartridge, you can precisely machine Labial Side (Buccal Side) and Under-Cut zone that requires additional machining.

Accessories

					
Disk Cartridge (C-Type)	AT Holder	AT Cartridge	CAD Block Cartridge	Attachment	Straumann PMAB Holder

ARUM 5X-450

Specifications

Axis	5-Axis	Drive Mechanism	Ball Screw
Processing	Wet and Dry	Way System	Linear Guide
Spindle Power	AC 1.28kw	Machine Size (W*D*H)	791*791*790mm
Max. RPM	60,000	Total Size (W*D*H)	791*791*1657mm
A.T.C	15	Weight (Machine / Table)	185kg / 65kg
Tool Shank (mm)	Ø6	Travel	X,Y,Z axis
Motor	Stepping		A / B axis
			245*116*130mm
			360° / ±35.1°

Tool List

Material	Code	Ø	Size	Material	Code	Ø	Size
Zirconia	ZB-05	2.0	D2.0*L20*55	Glass ceramic	DG-21	1.0	D1.0*L10*50
	ZB-06	1.0	D1.0*L14*53		DG-22	0.6	D0.6*L08*50
	ZB-07	0.6	D0.6*L08*50		DG-37	2.5	D2.5*L12*50
	ZB-78	0.3	D0.3*L1.5*50		DG-38	1.5	D1.5*L10*50
Metal (Premilled Blank/Disk)	MB-09	3.0	D3.0*L12*50	PMMA (Long)	PB-88	3.0	D3.0*L20*55
	MB-10	2.0	D2.0*L12*50		PB-89	2.0	D2.0*L20*55
	MB-11	1.5	D1.5*L10*50		PB-90	1.5	D1.5*L18*58
	MB-12	1.0	D1.0*L10*50		PB-91	1.0	D1.0*L13*55
Metal(Disk)	MB-14	0.6	D0.6*L03*50		PB-92	0.6	D0.6*L10*55
Metal (Reamer)	MR-01	3.5	D3.5*L18*55*180°	PMMA (Denture)	PB-93	4.5	D4.5*L25*60
	MR-02	2.6	D2.6*L18*55*180°	PMMA (Lollipop)	PB-94	3.0	D3.0*L15*60
	MR-05	2.3	D2.3*L18*55*120°	T-cutter	TC-82	2.0	D2.0*L08*50
	MR-06	2.3	D2.3*L18*55*90°		TC-83	1.8	D1.8*L08*50
	MR-07	2.3	D2.3*L18*55*30°		TC-84	1.5	D1.5*L08*50
	MR-09	2.4	D2.4*L18*55*70°		TC-97	2.3	D2.3*L07*50
	MR-10	2.6	D2.6*L18*55*30°	Flat Endmill	MF-15	2.0	D2.0*L18*55
	MR-11	2.4	D2.4*L18*55*140°		MF-45	1.5	D1.5*L07*50
	MR-12	2.6	D2.6*L18*55*90°		MF-71	0.6	D0.6*L05*50
	MR-13	2.7	D2.7*L18*55*70°	Bullnose mill	MFR-44	1.5	D1.5*L05*R0.1*50
	MR-14	2.3	D2.3*L18*55*70°		MFR-66	1.5	D1.5*L14*R0.2*50
	MR-15	2.3	D2.3*L18*55*180°		MFR-43	2.0	D2.0*L18*R0.2*55
	MR-16	2.4	D2.4*L18*55*90°	Thread	TH-69	M2.0*P0.4	M2.0*P0.4
Metal (Drill)	MD-18	1.5	D1.5*L14*50		TH-70	M1.4*P0.3	M1.4*P0.3
	MD-19	2.0	D2.0*L18*55		TH-95	M1.8*P0.35	M1.8*P0.35
	MD-73	1.1	D1.1*L05*50		TH-99	M1.6*P0.35	M1.6*P0.35
Zirconia (Long)	ZB-85	2.0	D2.0*L25*60				
	ZB-86	1.0	D1.0*L20*60				
	ZB-87	0.6	D0.6*L10*60				

ARUM 5X-500

The Leader of Middle Class Specialized



Customized Abutment

Titanium

Ni-Cr

Co-Cr

PMMA

Zirconia

Resin

Wax



Outstanding machining performance

5X-500 is a modal without a loader part. With it you can easily replace 4 types of jigs, which allows you to be able to freely machine from disk to pre-milled blank.

20

Tool



Labial



Occlusal



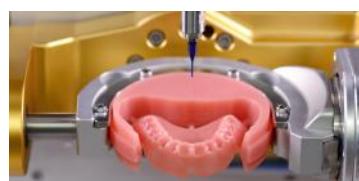
Cuff



All Disk

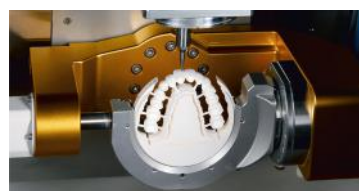


CAD Block



Best-in-class Spindle

With the powerful spindle from Sycotec in Germany, it boasts excellent performance in machining all dental CAD/CAM materials including metal (Co-Cr, Titanium, Ni-Cr)



Labial Side Machining

With Open C Type Jig, you can minimize time spent in precision machining and post-machining of labial (or Buccal) side texture and undercut area.

Accessories

						
Premill Jig T Type	Disk Jig	Disk C Type Jig	CAD Block Cartridge	Attachment	Callibration Master & Probe	Straumann PMAB Holder

ARUM 5X-500

Specifications

Axis	5-Axis	Drive Mechanism	Ball Screw
Processing	Wet and Dry	Way System	Linear Guide
Spindle Power	AC 2.2kw	Machine Size (W*D*H)	689*918*839mm
Max. RPM	60,000	Total Size (W*D*H)	689*918*1706mm
A.T.C	20	Weight (Machine / Table)	230kg / 65kg
Tool Shank (mm)	Ø6	Travel	X,Y,Z axis
Motor	Servo		A / B axis
			227.5*125*131mm
			360° / +40° ~ -31.5°

Tool List

Material	Code	Ø	Size	Material	Code	Ø	Size
Zirconia	ZB-05	2.0	D2.0*L20*55	Glass ceramic	DG-21	1.0	D1.0*L10*50
	ZB-06	1.0	D1.0*L14*53		DG-22	0.6	D0.6*L08*50
	ZB-07	0.6	D0.6*L08*50		DG-37	2.5	D2.5*L12*50
	ZB-78	0.3	D0.3*L1.5*50		DG-38	1.5	D1.5*L10*50
Metal (Premilled Blank/Disk)	MB-09	3.0	D3.0*L12*50	PMMA (Long)	PB-88	3.0	D3.0*L20*55
	MB-10	2.0	D2.0*L12*50		PB-89	2.0	D2.0*L20*55
	MB-11	1.5	D1.5*L10*50		PB-90	1.5	D1.5*L18*58
	MB-12	1.0	D1.0*L10*50		PB-91	1.0	D1.0*L13*55
Metal(Disk)	MB-14	0.6	D0.6*L03*50		PB-92	0.6	D0.6*L10*55
Metal (Reamer)	MR-01	3.5	D3.5*L18*55*180°	PMMA (Denture)	PB-93	4.5	D4.5*L25*60
	MR-02	2.6	D2.6*L18*55*180°	PMMA (Lollipop)	PB-94	3.0	D3.0*L15*60
	MR-05	2.3	D2.3*L18*55*120°	T-cutter	TC-82	2.0	D2.0*L08*50
	MR-06	2.3	D2.3*L18*55*90°		TC-83	1.8	D1.8*L08*50
	MR-07	2.3	D2.3*L18*55*30°		TC-84	1.5	D1.5*L08*50
	MR-09	2.4	D2.4*L18*55*70°		TC-97	2.3	D2.3*L07*50
	MR-10	2.6	D2.6*L18*55*30°	Flat Endmill	MF-15	2.0	D2.0*L18*55
	MR-11	2.4	D2.4*L18*55*140°		MF-45	1.5	D1.5*L07*50
	MR-12	2.6	D2.6*L18*55*90°		MF-71	0.6	D0.6*L05*50
	MR-13	2.7	D2.7*L18*55*70°	Bullnose mill	MFR-44	1.5	D1.5*L05*R0.1*50
	MR-14	2.3	D2.3*L18*55*70°		MFR-66	1.5	D1.5*L14*R0.2*50
	MR-15	2.3	D2.3*L18*55*180°		MFR-43	2.0	D2.0*L18*R0.2*55
	MR-16	2.4	D2.4*L18*55*90°	Thread	TH-69	M2.0*P0.4	M2.0*P0.4
	MD-18	1.5	D1.5*L14*50		TH-70	M1.4*P0.3	M1.4*P0.3
Metal (Drill)	MD-19	2.0	D2.0*L18*55		TH-95	M1.8*P0.35	M1.8*P0.35
	MD-73	1.1	D1.1*L05*50		TH-99	M1.6*P0.35	M1.6*P0.35
Zirconia (Long)	ZB-85	2.0	D2.0*L25*60				
	ZB-86	1.0	D1.0*L20*60				
	ZB-87	0.6	D0.6*L10*60				

ARUM 5X-500L

The Leader of Middle Class Specialized



Loader Auto Change 12 Jig		
Customized Abutment	Titanium	
Ni-Cr	Co-Cr	PMMA
Zirconia	Resin	Wax

12
Magazine

20
Tool



Best-in-class Spindle

With the powerful spindle from Sycotec in Germany, it boasts excellent performance in machining all dental CAD/CAM materials including metal (Co-Cr, Titanium, Ni-Cr).



Labial Side Machining

With Open C Type Jig, you can minimize time spent in precision machining and post-machining of labial (or Buccal) side texture and undercut area.



ARUM 5X-500L

Excellent Precision and Durability

With ZERO Point system, you can achieve excellent origin point precision despite repeated jig replacement, which allows you to machine even complex shape stably. Servo Motor with built-in Absolute Encoder and Auxiliary Support compensates for even fine vibrations.

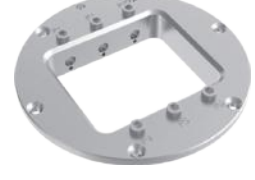


Specifications

Axis	5-Axis
Processing	Wet and Dry
Spindle Power	AC 2.2kw
Max. RPM	60,000
A.T.C	20
Tool Shank (mm)	Ø6
Motor	Servo
Drive Mechanism	Ball Screw

Way System	Linear Guide
Machine Size (W*D*H)	1078*921*889mm
Total Size (W*D*H)	1078*921*1713mm
Weight (Machine / Table)	360kg / 110kg
Travel	X,Y,Z axis
Travel	A / B axis
Number of Jig	12
Jig exchange	Auto

Accessories

		
Disk Jig	Disk C Type Jig	Premill Jig
		
AT Holder	Premill Jig T Type	CAD Block Cartridge
		
Attachment	Calibration Master & Probe	Straumann PMAB holder

Tool List For ARUM 5X-500 & ARUM 5X-500L is same

ARUM 5X-200

Complete Ultimate System



Co-Cr

Ni-Cr

Titanium

PMMA

Zirconia

Resin

Wax

Customized Abutment

A standard of METAL milling

This machine can be compared with none of the metal milling machine. You can mill various shapes such as Implant Bar Bridge, Screw-retain Bridge, and Partial Framework using various materials such as Titanium, Co-Cr, and Ni-Cr, etc.

Based on unsurpassed metal milling capability and extensive know-how accumulated over many years, the excellence of our product has been proven in the global market

DC
3.0kw


Wet



Dry



All Disk



Connectorless



CAD Block



Pre-milled



5Axis



Mounting of 5 pre-milled blanks

With a function of mounting of 5 pre-milled blanks simultaneously. Also, you can product Customized Abutment without Connector with AT Holder. In addition, it is possible to process using the Straumann PMAB holder (Bushing type) exclusively for Straumann Pre-milled Blanks, so it has expandability



Amazing milling power

With DC 3.0kw spindle, Servo Motor & Linear Guide, you can mill any dental material such as Titanium, Co-Cr, Pre-milled Blank, Zirconia, Lithium Disilicate, Nanocomposite, PMMA, PEEK, and WAX and more.

Special tool designed for perfection

The optimal tool designed to increase the completeness of milling. With use of ARUM's special tools such as Drill Tool, Reamer Tool, and Thread Tool, etc., you can achieve the best milling restoration.



ARUM 5X-200

Specifications

Axis	5-Axis	Drive Mechanism	Ball Screw
Processing	Wet and Dry	Way System	Linear Guide
Spindle Power	DC 3.0kw	Machine Size (W*D*H)	815*949*941mm
Max. RPM	60,000	Total Size (W*D*H)	815*949*1755mm
A.T.C	15	Weight (Machine / Table)	270kg / 135kg
Tool Shank (mm)	Ø6	Travel	X,Y,Z axis
Motor	Servo		A / B axis
			325*142.5*144mm
			360° / ±30°

Tool List

Material	Code	Ø	Size	Material	Code	Ø	Size
Zirconia	ZB-05	2.0	D2.0*L20*55	Glass ceramic	DG-21	1.0	D1.0*L10*50
	ZB-06	1.0	D1.0*L14*53		DG-22	0.6	D0.6*L08*50
	ZB-07	0.6	D0.6*L08*50		DG-37	2.5	D2.5*L12*50
	ZB-78	0.3	D0.3*L1.5*50		DG-38	1.5	D1.5*L10*50
Metal (Premilled Blank/Disk)	MB-09	3.0	D3.0*L12*50	PMMA (Long)	PB-88	3.0	D3.0*L20*55
	MB-10	2.0	D2.0*L12*50		PB-89	2.0	D2.0*L20*55
	MB-11	1.5	D1.5*L10*50		PB-90	1.5	D1.5*L18*58
	MB-12	1.0	D1.0*L10*50		PB-91	1.0	D1.0*L13*55
Metal (Disk)	MB-14	0.6	D0.6*L03*50		PB-92	0.6	D0.6*L10*55
Metal (Reamer)	MR-01	3.5	D3.5*L18*55*180°	PMMA (Denture)	PB-93	4.5	D4.5*L25*60
	MR-02	2.6	D2.6*L18*55*180°	PMMA (Lollipop)	PB-94	3.0	D3.0*L15*60
	MR-05	2.3	D2.3*L18*55*120°	T-cutter	TC-82	2.0	D2.0*L08*50
	MR-06	2.3	D2.3*L18*55*90°		TC-83	1.8	D1.8*L08*50
	MR-07	2.3	D2.3*L18*55*30°		TC-84	1.5	D1.5*L08*50
	MR-09	2.4	D2.4*L18*55*70°		TC-97	2.3	D2.3*L07*50
	MR-10	2.6	D2.6*L18*55*30°	Flat Endmill	MF-15	2.0	D2.0*L18*55
	MR-11	2.4	D2.4*L18*55*140°		MF-45	1.5	D1.5*L07*50
	MR-12	2.6	D2.6*L18*55*90°		MF-71	0.6	D0.6*L05*50
	MR-13	2.7	D2.7*L18*55*70°	Bullnose mill	MFR-44	1.5	D1.5*L05*R0.1*50
	MR-14	2.3	D2.3*L18*55*70°		MFR-66	1.5	D1.5*L14*R0.2*50
	MR-15	2.3	D2.3*L18*55*180°		MFR-43	2.0	D2.0*L18*R0.2*55
	MR-16	2.4	D2.4*L18*55*90°	Thread	TH-69	M2.0*P0.4	M2.0*P0.4
Metal (Drill)	MD-18	1.5	D1.5*L14*50		TH-70	M1.4*P0.3	M1.4*P0.3
	MD-19	2.0	D2.0*L18*55		TH-95	M1.8*P0.35	M1.8*P0.35
	MD-73	1.1	D1.1*L05*50		TH-99	M1.6*P0.35	M1.6*P0.35
Zirconia (Long)	ZB-85	2.0	D2.0*L25*60				
	ZB-86	1.0	D1.0*L20*60				
	ZB-87	0.6	D0.6*L10*60				

Machine Line-up



Model		5X-200	5X-500	5X-500L
Axis		5 Axis	5 Axis	5 Axis
Processing		Wet and Dry	Wet and Dry	Wet and Dry
Max. RPM		60,000	60,000	60,000
Spindle Power		DC 3.0kw	AC 2.2kw	AC 2.2kw
A.T.C		15	20	20
Tool Shank (mm)		Ø6	Ø6	Ø6
Motor		Servo	Servo	Servo
Drive Mechanism		Ball Screw	Ball Screw	Ball Screw
Way System		Linear Guide	Linear Guide	Linear Guide
Total Size (W*D*H)		815*949*1755mm	689*918*1706mm	1078*921*1713mm
Weight (Machine / Table)		270kg / 135kg	230kg / 65kg	360kg / 110kg
Travel	X,Y,Z axis	325*142.5*144mm	227.5*125*131mm	227.5*125*131mm
	A / B axis	360° / ±30°	360° / +40° ~ -31.5°	360° / +40° ~ -31.5°
Disk Jig or Cartridge Type		O type	O type, C type	O type, C type
Number of Jig		-	-	12
Jig exchange		-	-	Auto
Materials				
Pre-milled Blank (Titanium)		◎ (5ea)	◎ (10ea)	◎ (10ea)
Co-Cr & Ni-Cr Disk		◎	○	○
Titanium Disk		◎	◎	◎
Lithium Disilicate		○	○	○
Nanocomposite		◎	◎	◎
Zirconia		◎	◎	◎
PMMA		◎	◎	◎
PEEK		◎	◎	◎
Wax		◎	◎	◎
Applications				
Implant Bar		◎	◎	◎
Screw-Retained Bridge		◎	◎	◎
Customized Abutment		◎	◎	◎
Hybrid Abutment		◎	◎	◎
Inlay & Onlay		◎	◎	◎
Crown & Coping		◎	◎	◎
Crown & Coping Bridge		◎	◎	◎
Model		◎	◎	◎
Bite Splint		◎	◎	◎
Denture		◎	◎	◎

Machine Line-up



5X-450	5X-300 Pro
5 Axis	5 Axis
Wet and Dry	Wet and Dry
60,000	80,000
AC 1.28kw	AC 0.5kw
15	12
Ø6	Ø4
Stepping	Stepping
Ball Screw	Ball Screw
Linear Guide	Linear Guide
791*791*1657mm	568*641*1583mm
185kg / 65kg	90kg / 65kg
245*116*130mm	167*119.8*94mm
360° / ±35.1°	±30° / 360°
C type	C type
-	-
-	-
◎ (5ea)	X
X	X
○	X
○	◎
◎	◎
◎	◎
◎	◎
◎	◎
◎	◎
◎	◎
◎	◎
◎	◎
◎	X
◎	X
◎	X
◎	◎
◎	◎
◎	◎
◎	◎
◎	◎
◎	◎
◎	◎
◎	◎
◎	◎

*Products are subject to change without notice to improve quality, function, design or otherwise. /
◎: High Compatibility / ○: Compatibility / X: Non-Compatibility



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Warranty Ke Baad Bhi**

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* Accessories shown may not be a part of standard equipment. Specifications are subject to change without notice.

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