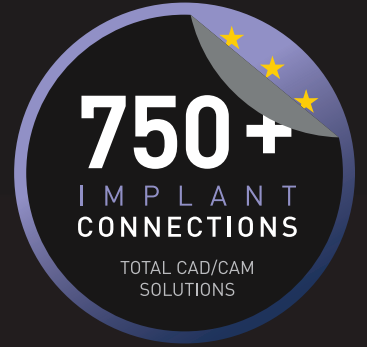


STRONG METAL MILLING WITH THE LARGEST IMPLANT SYSTEM RANGE



Stable and durable milling machine
for high quality machining.

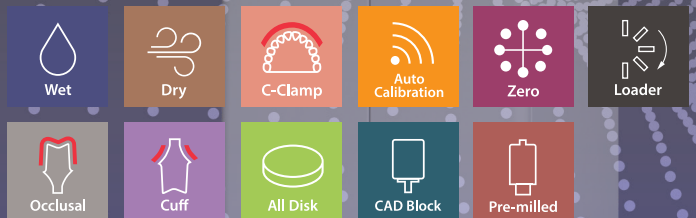


ARUM 5X-500 series


kızıllırmak
Lab. Mal. ve Diş Deposu
San. ve Tic. Ltd. Şti.



ARUM



ARUM Milling Machine Line-up



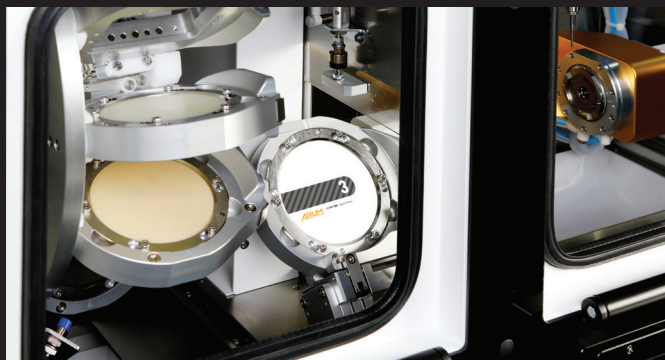
Model	5X-500L	5X-500	5X-200	5X-450	
Axis	5 Axis	5 Axis	5 Axis	5 Axis	
Processing	Wet and Dry	Wet and Dry	Wet and Dry	Wet and Dry	
Max. RPM	60,000	60,000	60,000	60,000	
Spindle Power	AC 2.2kw	AC 2.2kw	DC 3.0kw	AC 1.28kw	
A.T.C	20	20	15	15	
Tool Shank (mm)	Ø6	Ø6	Ø6	Ø6	
Motor	Servo	Servo	Servo	Stepping	
Drive Mechanism	Ball Screw	Ball Screw	Ball Screw	Ball Screw	
Way System	Linear Guide	Linear Guide	Linear Guide	Linear Guide	
Total Size (W*D*H)	1100*910*1735mm	710*910*1695mm	800*950*1760mm	790*790*1645mm	
Weight (Machine / Table)	330kg / 87kg	230kg / 65kg	270kg / 135kg	185kg / 65kg	
Travel	X, Y, Z axis	228*128*130mm	228*128*130mm	330*146*145mm	245*116*130mm
	A / B axis	360° / ±30°	360° / ±30°	360° / ±30°	360° / ±35°
Disk Jig or Cartridge Type	O type, C type	O type, C type	O type	C type	
Number of Jig	12	-	-	-	
Jig exchange	Auto	-	-	-	

Materials

Pre-milled Blank	◎ (10ea)	◎ (10ea)	◎ (5ea)	◎ (5ea)
Co-Cr & Ni-Cr Disk	○	○	◎	X
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	◎	◎	◎	◎



Outstanding Machining Performance

5X-500L is a model with a loader part and with it you can realize a 24-hour smart factory with automatic replacement of 12 jigs. You can machine accurately and stably even with repeated Jig replacement, and manage production time efficiently.



Machining with Maximum Efficiency

You can machine a variety of materials with a single setting. (a storage space for 12 jigs, 12 disks, 72 Pre-milled blanks, 72 Cad blocks), allowing you to be able to manage machining time and cost efficiently.

Specifications

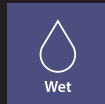
Axis	5-Axis	Way System	Linear Guide	
Processing	Wet and Dry	Machine Size (W*D*H)	710*910*840mm	
Spindle Power	AC 2.2kw	Total Size (W*D*H)	710*910*1735mm	
Max. RPM	60,000	Weight (Machine / Table)	330kg / 110kg	
A.T.C	20	Travel	X,Y,Z axis	228*128*130mm
Tool Shank (mm)	Ø6		A / B axis	360° / ±30°
Motor	Servo	Number of Jig	12	
Drive Mechanism	Ball Screw	Jig exchange	Auto	

Tool List

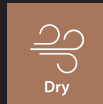
	Code	Size	Code	Size	Code	Size
Basic	ZB-05	D2.0*L20*55	MB-14	D0.6*L03*50	MF-15	D2.0*L18*55
	ZB-06	D1.0*L14*53	MD-18	D1.5*L14*50	MF-45	D1.5*L07*50
	ZB-07	D0.6*L08*50	MD-19	D2.0*L18*55	MF-71	D0.6*L05*50
	MB-09	D3.0*L12*50	DG-21	D1.0*L10*50	MFR-44	D1.5*L05*R0.1*50
	MB-10	D2.0*L12*50	DG-22	D0.6*L08*50	MFR-66	D1.5*L14*50
	MB-11	D1.5*L10*50	DG-37	D2.5*L12*50	MTR-72	M2*P0.4
	MB-12	D1.0*L10*50	DG-38	D1.5*L10*50		
Special	Code	Size	Code	Size	Code	Size
	ZB-01	D2.0*L20*63(Dia)	TC-41	D1.5*L08*50	MR-06	D2.3*L18*55*90°
	ZB-01A	D2.0*L20*63(DLC)	TC-42	D1.8*L08*50	MR-07	D2.3*L18*55*30°
	ZB-02	D1.0*L16*63(Dia)	MD-73	D1.1*L05*50	MR-09	D2.4*L18*55*70°
	ZB-02A	D1.0*L16*63(DLC)	MFR-43	D2.0*L18*R0.2*55	MR-10	D2.6*L18*55*30°
	ZB-03	D0.6*L13*63	MFR_66	D1.5*L14*50	MR-11	D2.4*L18*55*140°
	ZB-04	D0.3*L1.5*63	MTR-74	M1.4*P0.3	MR-12	D2.6*L18*55*90°
	ZB_08	D0.5*L08*50*6°	TH-69	M2.0*P0.4	MR-13	D2.7*L18*55*70°
	ZB-77	D3.0*L20*50	TH-70	M1.4*P0.3	MR-14	D2.3*L18*55*70°
	ZB-78	D0.3*L1.5*50	MR-01	D3.5*L18*55*180°	MR-15	D2.3*L18*55*180°
	MB-67	D1.5*L16*52	MR-02	D2.6*L18*55*180°	MR-16	D2.4*L18*55*90°
	TC-40	D2.0*L08*50	MR-05	D2.3*L18*55*120°		

ARUM 5X-500L

12
Magazine



Wet



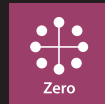
Dry



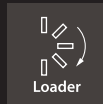
C-Clamp



Auto Calibration

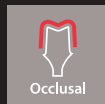


Zero

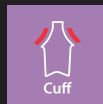


Loader

20
Tool



Occlusal



Cuff



All Disk



CAD Block



Pre-milled



European Milling Strategy Set-up

For more than 750 implant connections.

Modified to Maximise Production

magazine space for 12 jigs, 12 disks, 72 pre-milled blanks, 72 cad blocks.

Connectorless Abutment Milling + Attachment



Others

Leading stability and minimise the vibration while milling and high quality of outcome.

Various Types of Jigs Available



24-hrs operating
Non-stop production



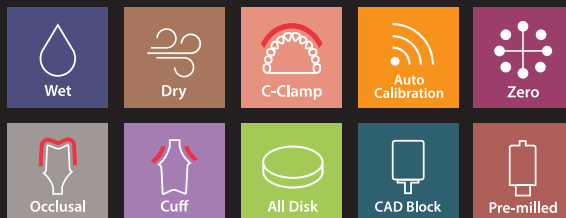
Materials & Applications Info.

Materials		Applications	
Pre-milled Blank	◎ (over 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 / ○: Compatibility / X: Non-Compatibility

ARUM 5X-500

20
Tool



Open System

Built-in Control PC

Easy access the teamviewer to increase efficiency.

Machine Hard and Soft Materials

Including CoCr, titanium, stainless, glass-ceramics, zirconia, PMMA and More.



Straumann Original Premill Milling Available

Straumann PMAB holder.



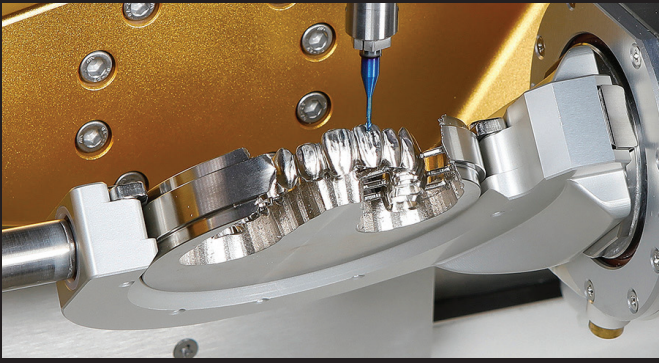
5-Axis

Simultaneous machining including undercuts.

Materials & Applications Info.

Materials		Applications	
Pre-milled Blank	◎ (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 / ○: Compatibility / X: Non-Compatibility



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.



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.

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)	710*910*840mm	
Max. RPM	60,000	Total Size (W*D*H)	710*910*1735mm	
A.T.C	20	Weight (Machine / Table)	230kg / 65kg	
Tool Shank (mm)	Ø6	Travel	X,Y,Z axis	228*128*130mm
Motor	Servo		A / B axis	360° / ±30°

Tool List

	Code	Size	Code	Size	Code	Size
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	ZB-06	D1.0*L14*53	MD-18	D1.5*L14*50	MF-45	D1.5*L07*50
	ZB-07	D0.6*L08*50	MD-19	D2.0*L18*55	MF-71	D0.6*L05*50
	MB-09	D3.0*L12*50	DG-21	D1.0*L10*50	MFR-44	D1.5*L05*R0.1*50
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	MB-12	D1.0*L10*50	DG-38	D1.5*L10*50		
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	ZB-77	D3.0*L20*50	TH-70	M1.4*P0.3	MR-14	D2.3*L18*55*70°
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	MB-67	D1.5*L16*52	MR-02	D2.6*L18*55*180°	MR-16	D2.4*L18*55*90°
	TC-40	D2.0*L08*50	MR-05	D2.3*L18*55*120°		

WE SHARE THE EXPERIENCE
with
PERFECTION



kızılırmak

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