

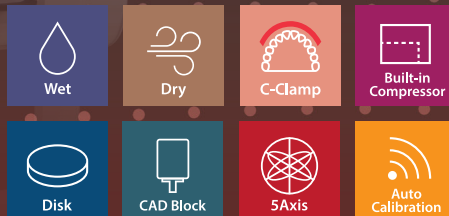
HIGH FUNCTIONALITY EXCELLENT QUALITY FOR SOFT MATERIALS



The 5-axis chairside milling machine
for wet and dry machining.

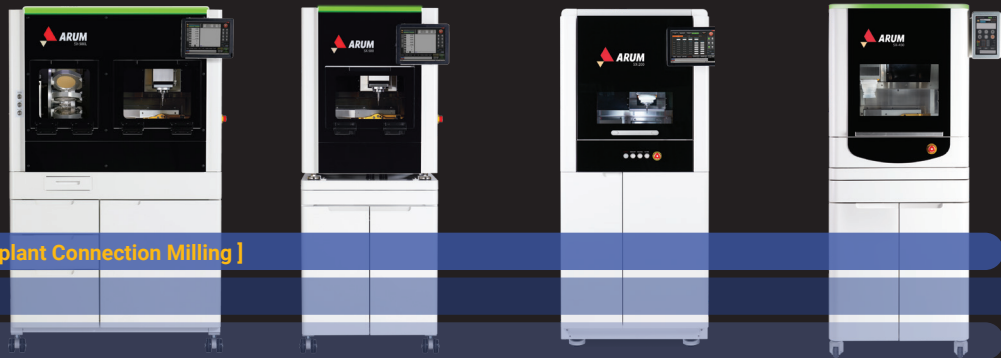

kızılırmak
Lab. Mal. ve Diş Deposu
San. ve Tic. Ltd. Şti.

ARUM 5X-300 series



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	◎	◎	◎	◎



4X-450	5X-400	5X-300 Pro	5X-300D
4 Axis	5 Axis	5 Axis	5 Axis
Wet	Wet and Dry	Wet and Dry	Dry
50,000	80,000	80,000	60,000
AC 1.8kw	AC 0.5kw	AC 0.5kw	AC 0.5kw
6	0	12	12
Ø6	Ø4	Ø4	Ø4
Stepping	Stepping	Stepping	Stepping
Ball Screw	Ball Screw	Ball Screw	Ball Screw
Linear Guide	Linear Guide	Linear Guide	Linear Guide
790*790*1645mm	570*655*1625mm	570*620*1580mm	570*620*640mm
185kg / 65kg	100kg / 65kg	90kg / 65kg	90kg / -
245*116*130mm	145*110*85mm	159*120*90mm	159*120*90mm
360° / -	±35° / 360°	±30° / 360°	±30° / 360°
-	O type	C type	C type
-			
-			
◎ (10ea)	○ (2ea)	X	X
X	X	X	X
X	X	X	X
X	◎	◎	X
X	◎	◎	◎
X	◎	◎	◎
X	◎	◎	◎
X	◎	◎	◎
X	◎	◎	◎
X	X	X	X
X	X	X	X
◎	○	X	X
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



Efficient C-TYPE JIG

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



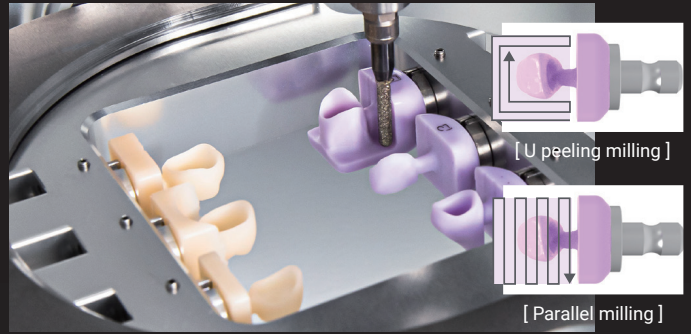
All in One System

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.



Simple and easy material change

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



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 efficiently.

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)	570*620*640mm	
Max. RPM	80,000	Total Size (W*D*H)	570*620*1580mm	
A.T.C	12	Weight (Machine / Table)	90kg / 65kg	
Tool Shank (mm)	Ø4	Travel	X,Y,Z axis	159*120*90mm
Motor	Stepping		A / B axis	±30° / 360°

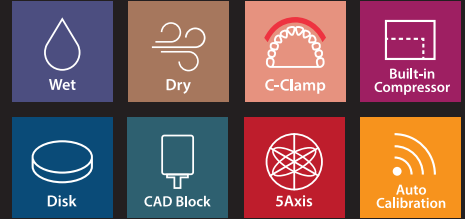
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Tool List

	Code	Size	Code	Size
Basic	ZB-46	D2*L18*50	PB-51	D1.0*L10*44
	ZB-47	D1.0*L16*50	DG-52	D2.5*L13*44.5
	ZB-48	D0.6*L10*45	DG-53	D1.5*L10*44.5
	ZB-65	D0.3*L10*45	DG-54	D1.0*L10*44.5
	PB-49	D2*L18*50	DG-55	D0.6*L8*41
	PB-50	D1.5*L14*47		
Special	Code	Size	Code	Size
	MOB-56	D3.0*L20*50	ZF-75	D0.6*L8*45
	ZF-70	D1.7*L18*50	TC-80	D1.8*L08*45

ARUM 5X-300Pro

RPM
80,000



Maximise Undercut Milling with C-Clamp



Proven Lithium Disilicate Milling



Open System

Efficient Space

Place dust collector, coolant system inside of the stand.



Minimise Noise
Built-in Air Compressor

12 ATC
(Automatic Tool Changer)

Easy to Clean

Simple to Change
Wet - Dry Milling

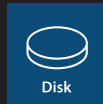
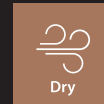
Materials & Applications Info.

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

ARUM 5X-300D

RPM
60,000



Excellent Expression of Detail

Groove and labial side texture precision machining using ARUM's exclusive 0.3mm tool for zirconia can be processed close to natural teeth.



Efficient C-Clamp



Built-in UI

Easy to operate.



Auto Calibration

Easy to maintain the machine for the beginner users.



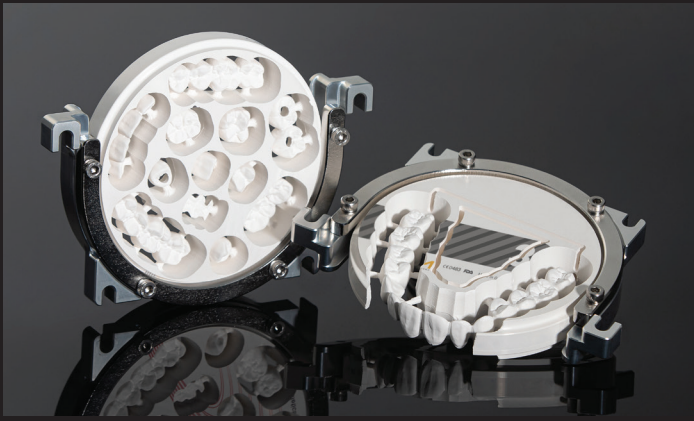
Various tool options, 12 ATC (Automatic Tool Changer)

Simple and Easy to Install

Materials & Applications Info.

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Pre-milled Blank	X	Implant Bar	X
Co-Cr & Ni-Cr Disk	X	Screw-Retained Bridge (Crown & Coping)	X
Titanium Disk	X	Customized Abutment	X
Lithium Disilicate	X	Hybrid Abutment	⊙
Nanocomposite	⊙	Inlay & Onlay	⊙
Zirconia	⊙	Crown & Coping	⊙
PMMA	⊙	Crown & Coping Bridge	⊙
PEEK	⊙	Model	⊙
Wax	⊙	Bite Splint	⊙
		Denture	⊙

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Specifications

Axis	5-Axis	Drive Mechanism	Ball Screw	
Processing	Dry	Way System	Linear Guide	
Spindle Power	AC 0.5kw	Machine Size (W*D*H)	570*620*640mm	
Max. RPM	60,000	Weight (Machine)	90kg	
A.T.C	12	Travel	X,Y,Z axis	159*120*90mm
Tool Shank (mm)	Ø4		A / B axis	±30° / 360°
Motor	Stepping			

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WE SHARE THE EXPERIENCE
with
PERFECTION



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