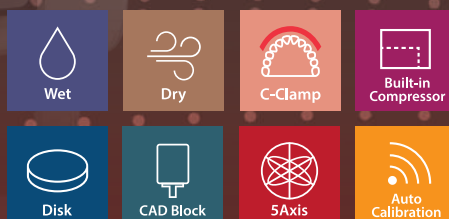


HIGH FUNCTIONALITY EXCELLENT QUALITY FOR SOFT MATERIALS



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

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	AC 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)		1078*921*1713mm	689*918*1706mm	815*949*1755mm	791*791*1657mm
Weight (Machine / Table)		360 kg / 110 kg	230kg / 65kg	270kg / 135kg	185kg / 65kg
Travel	X, Y, Z axis	227.5*125*131mm	227.5*125*131mm	325*142.5*144mm	245*116*130mm
	A axis / B axis	360° / +40° ~ -31.5°	360° / +40° ~ -31.5°	360° / ±30°	360° / ±35.1°
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	10	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
791*791*1657mm	568*643*1616mm	568*641*1583mm	568*641*645mm
185kg / 65kg	100kg / 65kg	90kg / 65kg	90kg / -
241*116*130mm	146*122.3*106.5mm	167*119.8*94mm	167*119.8*94mm
360° / -	±35.2° / 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	◎	◎	◎
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.



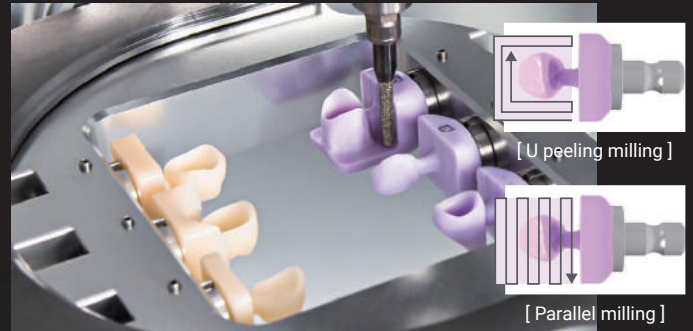
All in One System

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

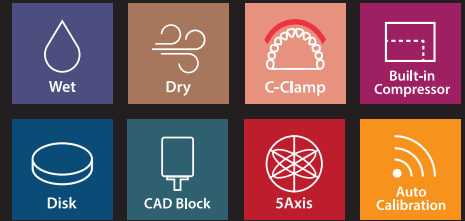
Axis	5 Axis	Drive Mechanism	Ball Screw
Processing	Wet and Dry	Way System	Linear Guide
Spindle Power	AC 0.5kw	Machine Size (W*D*H)	568*638*645mm
Max. RPM	80,000	Total Size (W*D*H)	568*641*1583mm
A.T.C	12	Weight (Machine / Table)	90kg / 65kg
Tool Shank (mm)	Ø4	Travel	X,Y,Z axis A / B axis
Motor	Stepping		167*119.8*94mm ±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-55	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	D2.0*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

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

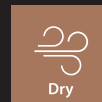
Materials & Applications Info.

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



Dry



C-Clamp



Disk



5Axis



Auto
Calibration

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.



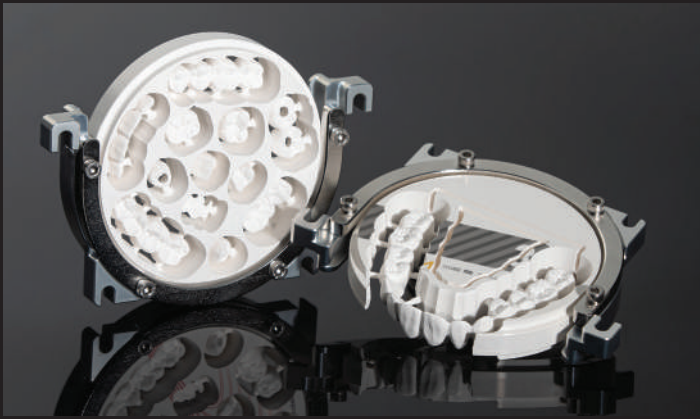
Various tool options, 12 ATC (Automatic Tool Changer)

Simple and Easy to Install

Materials & Applications Info.

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	X	Hybrid Abutment	⊙
Nanocomposite	⊙	Inlay & Onlay	⊙
Zirconia	⊙	Crown & Coping	⊙
PMMA	⊙	Crown & Coping Bridge	⊙
PEEK	⊙	Model	⊙
Wax	⊙	Bite Splint	⊙
		Denture	⊙

⊙: High Compatibility / ○: Compatibility / X: Non-Compatibility



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



Specifications

Axis	5 Axis	Drive Mechanism	Ball Screw
Processing	Dry	Way System	Linear Guide
Spindle Power	AC 0.5kw	Machine Size (W*D*H)	568*638*645mm
Max. RPM	60,000	Weight (Machine)	90kg
A.T.C	12	Travel	X,Y,Z axis
Tool Shank (mm)	Ø4		A / B axis
Motor	Stepping		±30° / 360°

Tool List

Material	Code	Ø	Size	Material	Code	Ø	Size
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	PB-51	1.0	D1.0*L10*44		TC-98	2.0	D2.0*L08*45

WE SHARE THE EXPERIENCE
with
PERFECTION

GET IN TOUCH

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