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

ARUM DENTISTRY

DIGITAL DENTISTRY SOLUTIONS

INDEX

The Leader of Digital Dentistry Solutions.
ARUM DENTISTRY

Founded in 2000 as a leader in the digital solution, Arum Dentistry has been providing Digital Total Solution for prosthetic treatment based on a digital prosthesis production solution (Dental CAD/CAM milling machine, dental materials) such as 3D Printer System (Metal, LCD, DLP, Resin, UV curing machine, etc.), Zirconia Block Implant and CAM Software, thereby leading the digital dentistry market.

Arum Dentistry has invigorated the patent-customized abutment by utilizing industry's first pre-milled blank machining. With the worldwide CAD/CAM processing machining cases accumulated over the last 20 years, Arum Dentistry has built the world's largest library & dental material line-up and is expanding the line-up through continuous product development.

Arum Dentistry is building its unrivalled competitiveness through the meticulous inspection of all products, continued efforts to acquire international licenses (KGMP, FDA, CE, NMPA, PMDA), and customer support and A/S within 24 hours with the aim of realizing the highest-level quality management.

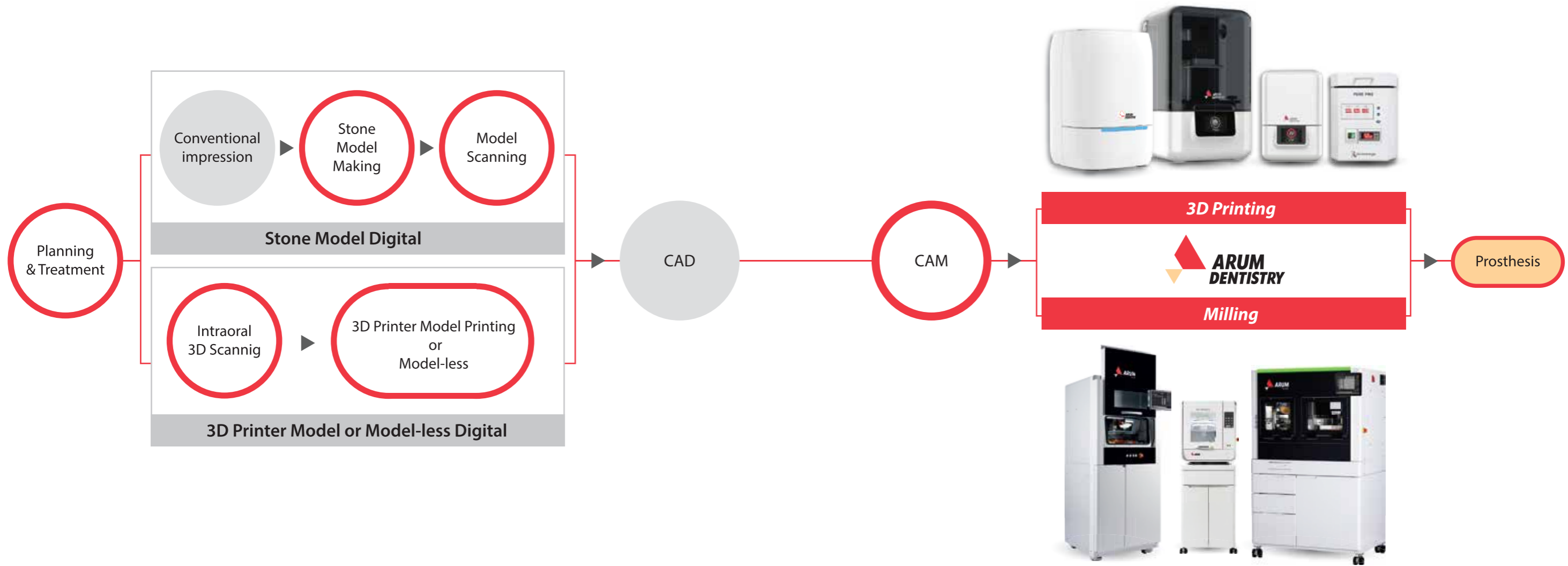Taking the lead in innovating the world's most differentiated technologies, Arum Dentistry has been exporting its products to more than 70 countries, earning recognition from users around the world for its technology. Arum Dentistry is advancing towards Digital Dentistry Innovation by constantly listening to the voices of customers and endeavouring to research and develop advanced technologies.

ARUM Digital Dentistry Workflow

With use of products of Arum Dentistry from planning & treatment and CAD/CAM design to prosthesis production, Digital Dentistry becomes fun for you.

You can realize simple prosthesis production and prosthetic treatment using ARUM Digital Dentistry Solution that features: "Fixture Design (Patent No. 10-2118038)" allowing rapid formation of new bones by the distribution of the stress on the upper part of the fixture to prevent fracture and facilitate smooth blood flow in the screw part (Patent No. 10-2118038); "Excellent Machining Precision of CAD / CAM milling machine recognized in the world market over the last 20 years; "Accurate and Excellent Quality Dental Material" that went through total inspection process (Ti 6AI-4V ELI / stainless steel 303F); "Zirconia Block" boasting its strength and natural shade, and "3D Printer System"(Printer, UV curing machine, Resin) boasting its fast printing speed and accuracy, you can realize simple prosthesis production and prosthetic treatment.

Planning & Treatment → Stone Model Digital: Conventional impression ▶ Stone Model Making ▶ Model Scanning

3D Printer Model or Model-less Digital: Intraoral 3D Scannig ▶ 3D Printer Model Printing or Model-less

→ CAD → CAM → **ARUM DENTISTRY** (3D Printing / Milling) → Prosthesis

Implant	Consumables			Lab Driver	CAM Program	CAD/CAM Materials	3D Printer Materials
ARUM NB I	Healing Scanbody / Pre-milled Blank	Analog / Ti-Base	Model Scanbody / Attachment	iPen	ARUM CAM	ARENA (Zirconia Block) [White, Pre-Shade, Multi-Layered]	3D Printer Resin [Model, C&B]

ARUM Milling Machine Line-up
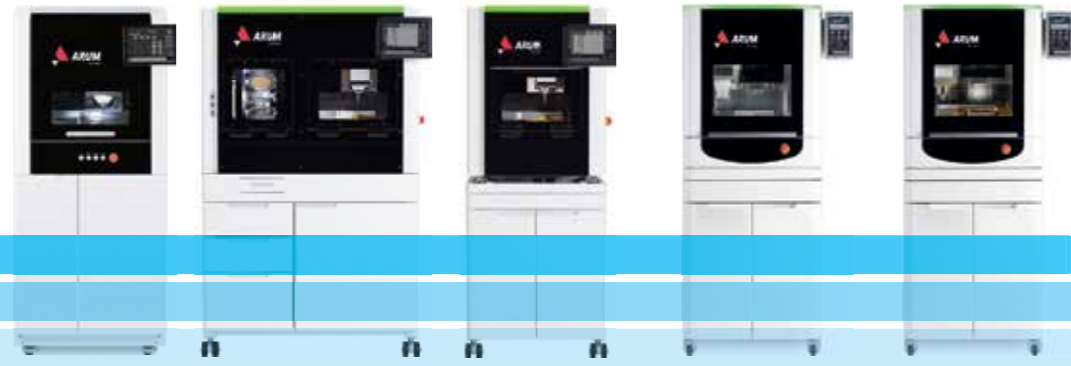
- Metal Disk
- Pre-milled Bank
- Zirconia Block

Model	5X-200	5X-500L	5X-500	5X-450	4X-450
Axis	5 Axis	5 Axis	5 Axis	5 Axis	4 Axis
Processing	Wet and Dry	Wet and Dry	Wet and Dry	Wet and Dry	Wet
Max. RPM	60,000	60,000	60,000	60,000	50,000
Spindle Power	DC 3.0kw	AC 2.2kw	AC 2.2kw	AC 1.28kw	AC 1.8kw
A.T.C	15	20	20	15	6
Tool Shank (mm)	Ø6	Ø6	Ø6	Ø6	Ø6
Motor	Servo	Servo	Servo	Stepping	Stepping
Drive Mechanism	Ball Screw	Ball Screw	Ball Screw	Ball Screw	Ball Screw
Way System	Linear Guide	Linear Guide	Linear Guide	Linear Guide	Linear Guide
Total Size (W*D*H)	800*950*1760mm	1100*910*1735mm	710*910*1695mm	790*790*1645mm	790*790*1645mm
Weight (Machine / Table)	270kg / 135kg	330kg / 87kg	230kg / 65kg	185kg / 65kg	185kg / 65kg
Travel — X,Y,Z axis	330*146*145mm	228*128*130mm	228*128*130mm	245*116*130mm	245*116*130mm
Travel — A / B axis	360°/ ±30°	360°/ ±30°	360°/ ±30°	360°/ ±30°	360° / -
Disk Jig or Cartridge Type	O type	O type, C type	O type, C type	C type	-
Number of Jig	-	12	-	-	-
Jig exchange	-	Auto	-	-	-
Materials					
Pre-milled Blank (Titanium)	◎ (5ea)	◎ (10ea)	◎ (10ea)	◎ (5ea)	◎ (10ea)
Co-Cr & Ni-Cr Disk	◎	○	○	X	X
Titanium Disk	◎	◎	◎	○	X
Lithium Disilicate	○	○	○	○	X
Nanocomposite	◎	◎	◎	◎	X
Zirconia	◎	◎	◎	◎	X
PMMA	◎	◎	◎	◎	X
PEEK	◎	◎	◎	◎	X
Wax	◎	◎	◎	◎	X
Applications					
Implant Bar	◎	◎	◎	◎	X
Screw-Retained Bridge	◎	◎	◎	◎	X
Customized Abutment	◎	◎	◎	◎	◎
Hybrid Abutment	◎	◎	◎	◎	X
Inlay & Onlay	◎	◎	◎	◎	X
Crown & Coping	◎	◎	◎	◎	X
Crown & Coping Bridge	◎	◎	◎	◎	X
Model	◎	◎	◎	◎	X
Bite Splint	◎	◎	◎	◎	X
Denture	◎	◎	◎	◎	X
Page	8-11p	12-15p	12-15p	16-19p	16-19p

Model	4X-100	5X-400	5X-300 Pro	5X-300D	4X-300	4X-300D
Axis	4 Axis	5 Axis	5 Axis	5 Axis	4 Axis	4 Axis
Processing	Wet and Dry	Wet and Dry	Wet and Dry	Dry	Wet and Dry	Dry
Max. RPM	50,000	80,000	80,000	60,000	80,000	60,000
Spindle Power	AC 1.8kw	AC 0.5kw	AC 0.5kw	AC 0.5kw	AC 0.5kw	AC 0.5kw
A.T.C	8	10	12	12	12	12
Tool Shank (mm)	Ø6	Ø4	Ø4	Ø4	Ø4	Ø4
Motor	Servo	Stepping	Stepping	Stepping	Stepping	Stepping
Drive Mechanism	Ball Screw	Ball Screw	Ball Screw	Ball Screw	Ball Screw	Ball Screw
Way System	Linear Guide	Linear Guide	Linear Guide	Linear Guide	Linear Guide	Linear Guide
Total Size (W*D*H)	710*890*1750mm	570*655*1625mm	570*620*1580mm	570*620*640mm	570*620*1580mm	570*620*640mm
Weight (Machine / Table)	210kg / 82kg	100kg / 65kg	90kg / 65kg	90kg / -	90kg / 65kg	90kg / -
Travel — X,Y,Z axis	250*116*110mm	145*110*85mm	159*120*90mm	159*120*90mm	159*120*90mm	159*120*90mm
Travel — A / B axis	- / 360°	±35° / 360°	±30° / 360°	±30° / 360°	360° / -	360° / -
Disk Jig or Cartridge Type	O type	O type	C type	C type	-	-
Number of Jig	-	-	-	-	-	-
Jig exchange	-	-	-	-	-	-
Materials						
Pre-milled Blank (Titanium)	◎ (10ea)	○ (2ea)	X	X	X	X
Co-Cr & Ni-Cr Disk	X	X	X	X	X	X
Titanium Disk	X	X	X	X	X	X
Lithium Disilicate	○ (T Jig X)	◎	◎	X	◎	X
Nanocomposite	◎ (T Jig X)	◎	◎	◎	◎	◎
Zirconia	◎ (T Jig X)	◎	◎	◎	◎	◎
PMMA	◎ (T Jig X)	◎	◎	◎	◎	◎
PEEK	◎ (T Jig X)	◎	◎	◎	◎	◎
Wax	◎ (T Jig X)	◎	◎	◎	◎	◎
Applications						
Implant Bar	X	X	X	X	X	X
Screw-Retained Bridge	X	X	X	X	X	X
Customized Abutment	◎ (T Jig ◎)	○	X	X	X	X
Hybrid Abutment	○ (T Jig X)	◎	◎	◎	○	○
Inlay & Onlay	○ (T Jig X)	◎	◎	◎	○	○
Crown & Coping	○ (T Jig X)	◎	◎	◎	○	○
Crown & Coping Bridge	○ (T Jig X)	◎	◎	◎	○	○
Model	X	◎	◎	◎	X	X
Bite Splint	X	◎	◎	◎	X	X
Denture	X	○	◎	◎	X	X
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* Products are subject to change without notice to improve quality, function, design or otherwise. / ◎: High Compatibility / ○: Compatibility / X: Non-Compatibility

ARUM 5X-200   Complete Ultimate System

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.

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.

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.

Easy material replacement

As it is easy to replace Disk Cartridge, you can replace Disk quickly and easily and use materials economically.

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.
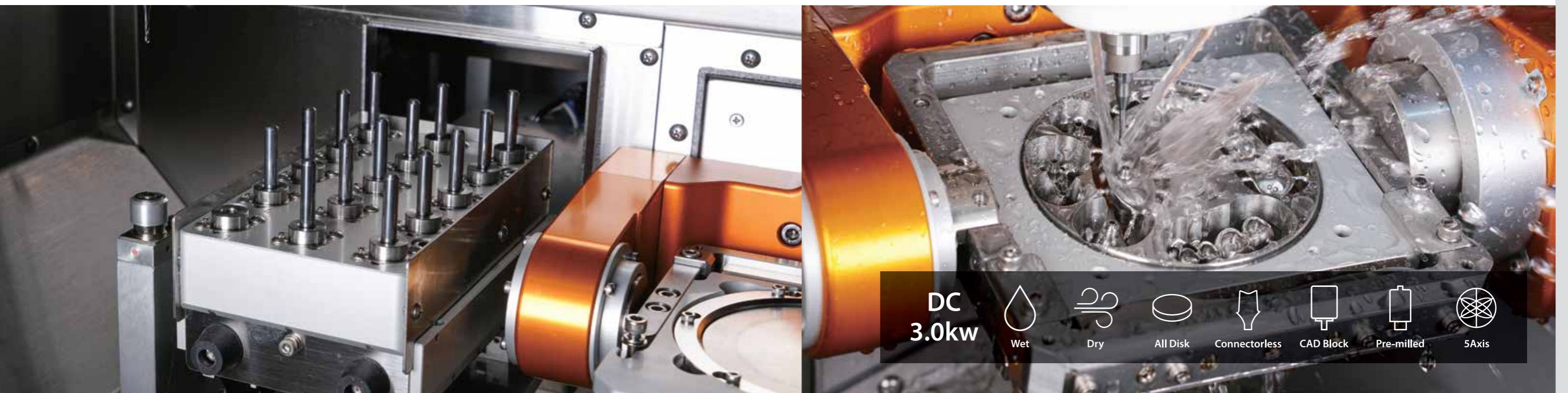
DC 3.0kw   Wet   Dry   All Disk   Connectorless   CAD Block   Pre-milled   5Axis

Screw-Retained Bridge Crown & Coping

Co-Cr & Titanium Disk

Implant Bar &
Screw-Retained Bridge Coping

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)		800*950*940mm
Max. RPM	60,000	Total Size (W*D*H)		800*950*1760mm
A.T.C	15	Weight (Machine / Table)		270kg / 135kg
Tool Shank (mm)	Ø6	Travel	X,Y,Z axis	330*146*145mm
Motor	Servo		A / B axis	360˚/ ±30˚

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		

	Code	Size	Code	Size	Code	Size
Special	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˚		

Materials & Applications Info.

Materials		Applications	
Pre-milled Blank (Titanium)	◎ (5ea)	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

Accessories

Disk Cartridge	AT Holder	Attachment	Bushing	Straumann PMAB holder (Bushing type)

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

ARUM 500 Series [5X-500L / 5X-500]

The Leader of Middle Class Specialized

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.

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.

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.

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.
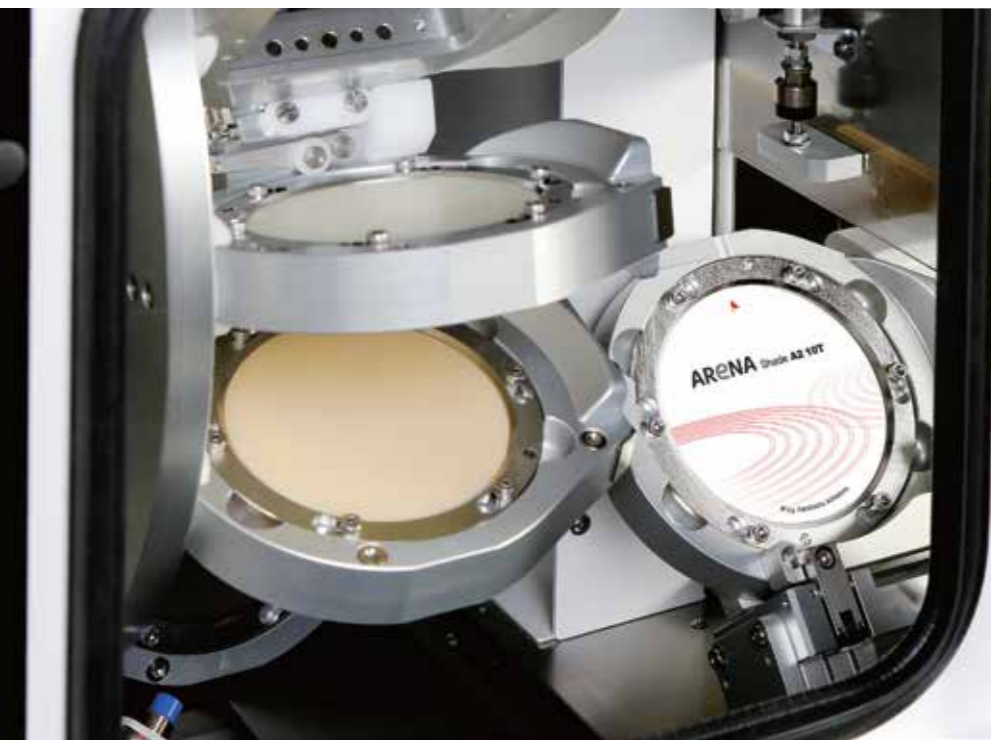
12	20					
Magazine	Tool	Labial	Occlusal	Cuff	All Disk	CAD Block

Materials & Applications Info.

Materials			Applications		
Model	5X-500L	5X-500	Model	5X-500L	5X-500
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

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		
	Code	Size	Code	Size	Code	Size
Special	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˚		

Specifications

Model		5X-500L	5X-500
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	-

## Accessories

Disk Jig	Disk C Type Jig	Premill Jig (5X-500L Dedicated)
AT Holder (5X-500L Dedicated)	Premill Jig T Type	CAD Block Cartridge
Attachment	Calibration Master & Probe	Straumann PMAB holder (Bushing type)

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

ARUM 450 Series [5X-450 / 4X-450]
Faithful Mill for Main Prosthesis
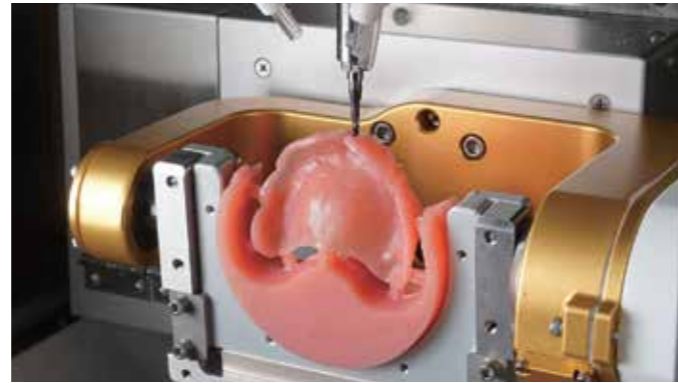
Milling of various prostheses

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. (Except for Ni-Cr / Co-Cr Disk) ▷ 5X-450

Precision machining using AT Cartridge   In addition to simple top & bottom side machining, you can machine cuff side (Gingival side), occlusal side, and retention groove using AT Cartridge. ▷ 5X-450

Machining with removal of connector

By using the attachment, you can machine customized abutment from which the connector has been removed. The improved bonding with the upper prosthesis with removal of connector reduces the work during the post production stage, allowing you to produce prostheses in a more efficient way. ▷ 5X-450

4X-450 Differentiated Pre-milled Blank Machining

You can mount 10 pre-milled blanks and machine them simultaneously, and machine the cuff side (Gingival side) and occlusal side area using A-axis 90° rotation in an optimal condition.

Wet   Occlusal   Cuff   Connectorless   Pre-milled   4Axis

Wet   Dry   Labial   Occlusal   Cuff   Disk   CAD Block   5Axis

Titanium Disk

Zirconia Crown

Materials & Applications Info.

Materials			Applications		
Model	5X–450	4X–450	Model	5X–450	4X–450
Pre-milled Blank (Titanium)	◎ (5ea)	◎ (10ea)	Implant Bar	◎	X
Co-Cr & Ni-Cr Disk	X	X	Screw-Retained Bridge (Crown & Coping)	◎	X
Titanium Disk	O	X	Customized Abutment	◎	◎
Lithium Disilicate	O	X	Hybrid Abutment	◎	X
Nanocomposite	◎	X	Inlay & Onlay	◎	X
Zirconia	◎	X	Crown & Coping	◎	X
PMMA	◎	X	Crown & Coping Bridge	◎	X
PEEK	◎	X	Model	◎	X
Wax	◎	X	Bite Splint	◎	X
			Denture	◎	X

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

Accessories

Disk Cartridge (5X-450 Dedicated)	AT Holder (5X-450 Dedicated)	AT Cartridge (5X-450 Dedicated)

Disk Cartridge (5X-450 Dedicated)	AT Holder (4X-450 Dedicated)	Attachment	Straumann PMAB holder (Bushing type)

Specifications

Model	5X-450	4X-450
Axis	5-Axis	4-Axis
Processing	Wet and Dry	Wet
Spindle Power	AC 1.28kw	AC 1.8kw
Max. RPM	60,000	50,000
A.T.C	15	6
Tool Shank (mm)	Ø6	Ø6
Motor	Stepping	Stepping
Drive Mechanism	Ball Screw	Ball Screw
Way System	Linear Guide	Linear Guide
Machine Size (W*D*H)	790*790*790mm	790*790*790mm
Total Size (W*D*H)	790*790*1645mm	790*790*1645mm
Weight (Machine / Table)	185kg / 65kg	185kg / 65kg
Travel	X,Y,Z axis	245*116*130mm	245*116*130mm
	A / B axis	360˚/ ±35˚	360˚ / -

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

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		
	Code	Size	Code	Size	Code	Size
Special	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 4X-100 One Very Serious machine

Completion of Customized Abutment machining

With various machining methods of pre-milled blank provided by us, anyone can easily machine high quality Customized Abutment. In addition, free processing from disk to pre-milled blank is possible depending on the Jig type selection. (Metal Disk cannot be processed)

Cuff side (Gingival side) & Occlusal side Precision milling

With a jig for pre-milled blank machining, precision machining of the cuff side and occlusal side areas is possible to increase the completeness. In addition, it is possible to process using the Straumann PMAB holder (Bushing type) exclusively for Straumann Pre-milled Blanks, so it has expandability.
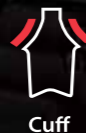
Wet   Dry   Occlusal   Cuff   Connectorless   Zirconia   4Axis

Materials & Applications Info.

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

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

Specifications

Axis	4-Axis	Drive Mechanism		Ball Screw
Processing	Wet and Dry	Way System		Linear Guide
Spindle Power	AC 1.8kw	Machine Size (W*D*H)		710*890*850mm
Max. RPM	50,000	Total Size (W*D*H)		710*890*1750mm
A.T.C	8	Weight (Machine / Table)		210kg / 82kg
Tool Shank (mm)	Ø6	Travel	X,Y,Z axis	250*116*110mm
Motor	Servo		A / B axis	- / 360˚

Tool List

	Code	Size	Code	Size
Basic	ZB-05	D2.0*L20*55	MB-12	D1.0*L10*50
	ZB-06	D1.0*L14*53	DG-21	D1.0*L10*50
	ZB-07	D0.6*L08*50	DG-22	D0.6*L08*50
	MB-09	D3.0*L12*50	DG-37	D2.5*L12*50
	MB-10	D2.0*L12*50	DG-38	D1.5*L10*50
	Code	Size	Code	Size
Special	ZB-01	D2.0*L20*63(Dia)	ZB-02A	D1.0*L16*63(DLC)
	ZB-01A	D2.0*L20*63(DLC)	ZB-03	D0.6*L13*63
	ZB-02	D1.0*L16*63(Dia)	ZB-04	D0.3*L1.5*63

Accessories

Disk Cartridge	AT Cartridge	AT Holder A/B	Attachment	Bushing	Straumann PMAB holder (Bushing type)

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

ARUM 5X-400   Economical & Reasonable

Unrivaled grinding capability

With the adoption of a high RPM specialized spindle, this equipment boasts its unrivalled capability of grinding Lithium Disilicate (Glass Ceramic). We improved user convenience by applying the cartridge that can mount and machine up to 6 CAD Blocks (Lithium Disilicate, Nanocomposite), and the application of high-precision ball screws allows you to get high quality machining outputs.

Your reasonable choice

You can machine various materials from Zirconia Disk to CAD Block, Pre-milled Blank, and select between wet and dry machining. You can enjoy the maximum results at a reasonable price.

User-friendly environment

With Auto Calibration Function, you can maintain the best condition of machine anytime, anywhere. You can always see a certain level of machining. U.I design makes operation of equipment easy and simple.

Like natural teeth

Every patient wants a prosthesis that looks natural. With milling the grooved part precisely using ARUM's 0.3mm tool for Zirconia, you can reproduce the teeth that look natural.

RPM 80,000   Wet   Dry   Zirconia   CAD Block   Pre-milled   5Axis

Crown & Coping Bridge
Lithium Disilicate

Zirconia Crown

Customized Abutment

Materials & Applications Info.

Materials		Applications	
Pre-milled Blank (Titanium)	○ (2ea)	Implant Bar	○
Co-Cr & Ni-Cr Disk	X	Screw-Retained Bridge (Crown & Coping)	○
Titanium Disk	X	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

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*655*680mm
Max. RPM	80,000	Total Size (W*D*H)	570*655*1625mm
A.T.C	10	Weight (Machine / Table)	100kg / 65kg
Tool Shank (mm)	Ø4	Travel — X,Y,Z axis	145*110*85mm
Motor	Stepping	Travel — A / B axis	±35˚ / 360˚

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		
	Code	Size	Code	Size
Special	MOB-56	D3.0*L20*50	ZF-75	D0.6*L8*45
	ZF-70	D1.7*L18*50	TC-80	D1.8*L08*45

Accessories

CAD Block Cartridge	AT Cartridge	Attachment

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

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.

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]

Excellent detail expression

Through groove, labial side texture precision processing using ARUM's exclusive 0.3mm tool for Zirconia, you can process prostheses close to natural teeth.

RPM 80,000   Wet   Dry   Labial   Zirconia   CAD Block   5Axis

Zirconia Crown

Zirconia Hybrid Abutment

Crown & Coping Bridge

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	Travel — A / B axis	±30˚ / 360˚

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

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		
	Code	Size	Code	Size
Special	MOB-56	D3.0*L20*50	ZF-75	D0.6*L8*45
	ZF-70	D1.7*L18*50	TC-80	D1.8*L08*45

Accessories

C Type Cartridge	CAD Block Cartridge

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

ARUM 300 Series
[5X-300D/4X-300/4X-300D]

Looks Like Compact But Not Compact

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. ▷ 4X-300

By using Cad Block Cartridge, you can set and machine up to 6, and it is convenient for you exchange material because it is replaceable cartridge type. ▷ 5X-300D, 4X-300, 4X-300D

[U peeling milling]   [Parallel milling]

The beginning of a small change

With a small change of '7° Tilted Door' to ensure user's viewing angle, you can clearly see the milling progress. With the door opening wide, you can secure enough work space to conveniently change materials and setting tools. In addition, the interior floor is inclined for convenient cleaning.

Device to automatically exchange 12 tools

With a 12-tool pocket, you can machine almost every material such as Zirconia, Lithium Disilicate, PMMA, PEEK, and WAX in just one setting, and the automatic tool change function allow you to use equipment without interruption.

User-friendly use environment

With Auto Calibration Function, you can maintain the best condition of machine anytime, anywhere. You can always see a certain level of machining. U.I design with enhanced ease of use makes operation of equipment easy and simple.

Excellent detail expression

Through groove, labial side texture precision processing using ARUM's exclusive 0.3mm tool for Zirconia, you can process prostheses close to natural teeth.

RPM 60,000 Dry | Labial | Zirconia | CAD Block | 5Axis

RPM 80,000 Wet | Dry | Zirconia | CAD Block | 4Axis

Zirconia Crown

Zirconia Hybrid Abutment

Crown & Coping Bridge

Materials & Applications Info.

Materials				Applications			
Model	5X-300D	4X-300	4X-300D	Model	5X-300D	4X-300	4X-300D
Pre-milled Blank (Titanium)	X	X	X	Implant Bar	X	X	X
Co-Cr & Ni-Cr Disk	X	X	X	Screw-Retained Bridge (Crown & Coping)	X	X	X
Titanium Disk	X	X	X	Customized Abutment	X	X	X
Lithium Disilicate	X	◎	X	Hybrid Abutment	◎	O	O
Nanocomposite	◎	◎	◎	Inlay & Onlay	◎	O	O
Zirconia	◎	◎	◎	Crown & Coping	◎	O	O
PMMA	◎	◎	◎	Crown & Coping Bridge	◎	X	X
PEEK	◎	◎	◎	Model	◎	X	X
Wax	◎	◎	◎	Bite Splint	◎	X	X
				Denture	◎	X	X

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

Specifications

Model		5X-300D	4X-300	4X-300D
Axis		5-Axis	4-Axis	4-Axis
Processing		Dry	Wet and Dry	Dry
Spindle Power		AC 0.5kw	AC 0.5kw	AC 0.5kw
Max. RPM		60,000	80,000	60,000
A.T.C		12	12	12
Tool Shank (mm)		Ø4	Ø4	Ø4
Motor		Stepping	Stepping	Stepping
Drive Mechanism		Ball Screw	Ball Screw	Ball Screw
Way System		Linear Guide	Linear Guide	Linear Guide
Machine Size (W*D*H)		570*620*640mm	570*620*640mm	570*620*640mm
Total Size (W*D*H)		-	570*620*1580mm	-
Weight (Machine / Table)		90kg / -	90kg / 65kg	90kg / -
Travel	X,Y,Z axis	159*120*90mm	159*120*90mm	159*120*90mm
	A / B axis	±30˚ / 360˚	360˚ / -	360˚ / -
Disk Cartridge Type		C type	-	-

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

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 (5X-300 Dedicated)	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

Accessories

5X-300D		4X-300 / 4X-300D
Disk Cartridge	CAD Block Cartridge	CAD Block Cartridge

The Easy, The Fast, The Accurate   ARUM CAM
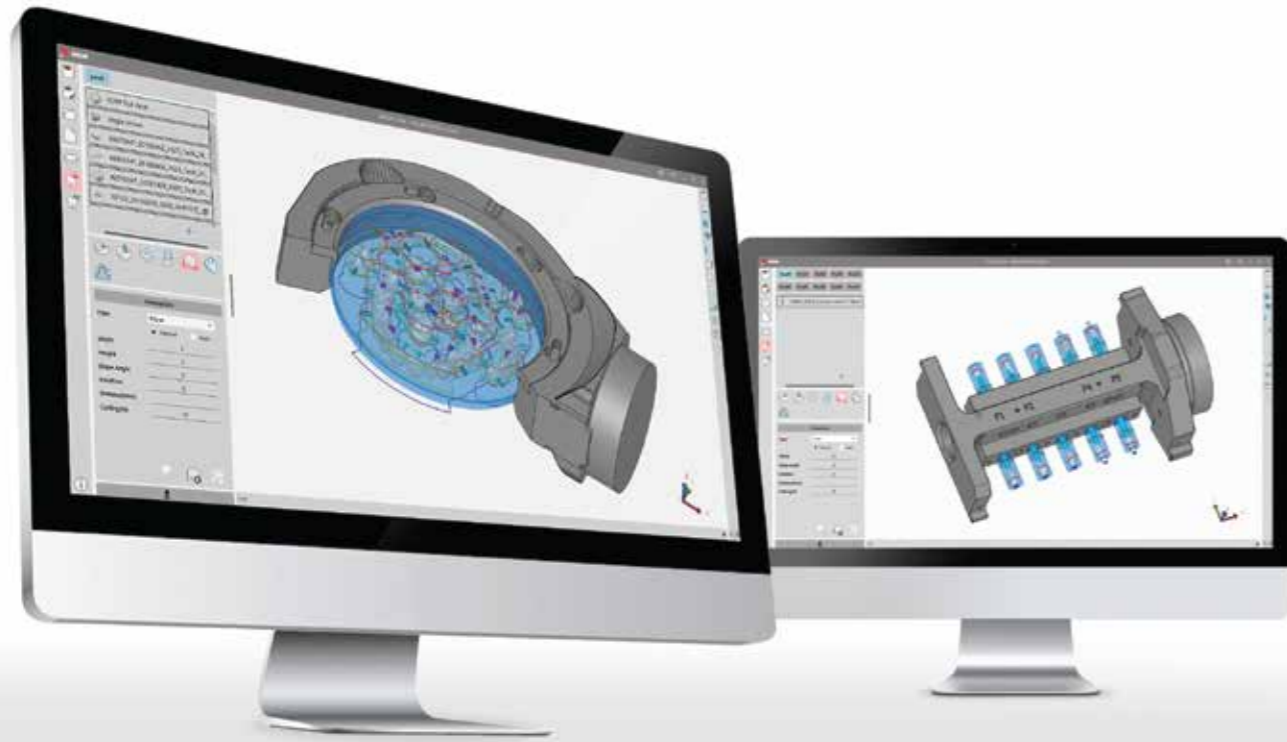
ARUM CAM is software in which all the machining know-hows of ARUM DENTISTRY are integrated. It is, above all, optimized for ARUM Milling Machine, and guarantees excellent machining quality. It provides a UI/UX environment that is easy for everyone to understand and all the core functions necessary for dental part machining. Now you can experience the most practical and most powerful CAM Design developed by ARUM.

Function	Description
Implant library machining	A function to easily machine the abutment implant interface with a variety of predefined libraries
Angled screw channel machining	A function to adjust the interface angle and machine angled screw channel
Screw channel machining	A function to paper the screw channel's inner shape / automatically analyze and machine End Type
Grinding machining module	Grinding optimized for lithium disilicate (glass ceramic)
Basic shape recognition	A function of automatic/manual recognition while working on margins and holes even without CAD information
Advanced shape recognition	Differentiated part recognition and modification
Workflow and UI	Practical and intuitive user interface and experience
Material information setting	A function to register and modify materials and to modify basic information modification of each material
Sinter frame creation	A function to create a variety of sinter frames
Toolpath master module	A function to create and modify strategies, define customized machining method and modify machining tool n
Automatic placement	A function to set whether (or not) to use automatic part placement function and specify the degree of overlap.
User-defined area designation	A function to designate and machine a specific area of the prosthesis
Automatic connector	A function to automatically place connectors on part
C-type jig machining	A function to machine thin and long anterior teeth even with thin materials
Machine connection	A function to print out NC output file path as a network folder so that it can used directly on the machine
Circular material machining	A function to machine the blank of circular material
Block material machining	A function to machine ceramic block material such as lithium disilicate (glass ceramic)
Pre-milled blank material machining	A function to machine the round bar material for abutment
Undercut indication	A function to analyze the undercut for entire part appearance and analyze tooth's inner undercut individually
Simulation history	A function to save and check the recently created list of NC simulation information

Interface Library With two types of library provided, ie. Straight / Angle, you can machine a wider variety of shapes. By using angle type, you can set the screw channel hole in the direction of lingual surface to produce aesthetically excellent prostheses.

[Straight type]   [Angle type]
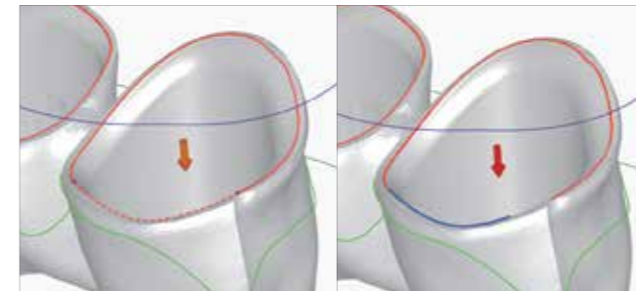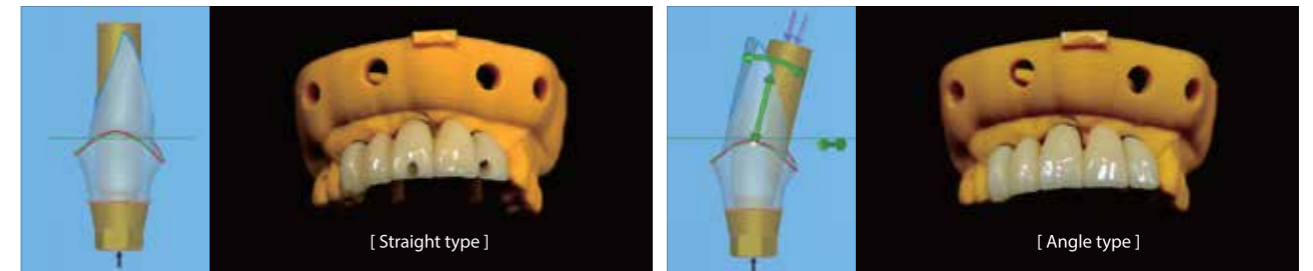
Easy margin line edition
You can delete the margin line requiring modification with just 3 clicks, and create new margin lines in a short time.
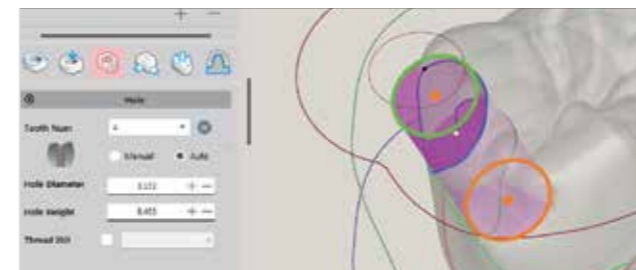
3-point SCRP production
You can form SCRP hole quickly and easily with 3-point click, and modify the height and diameter of the hole by entering numerical values or using a mouse. In addition, the boundary of the outer shape automatically changes according to the position of the hole, allowing the automatic detection of the possibility of collision between the tool and the material.
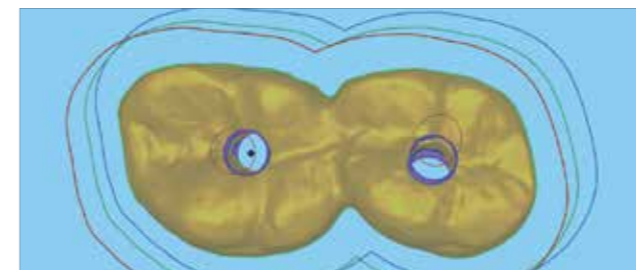
A liberty to change the hole
You can even change the hole for distorted or scanned parts, and freely modify the height, diameter, direction, and position of the hole.
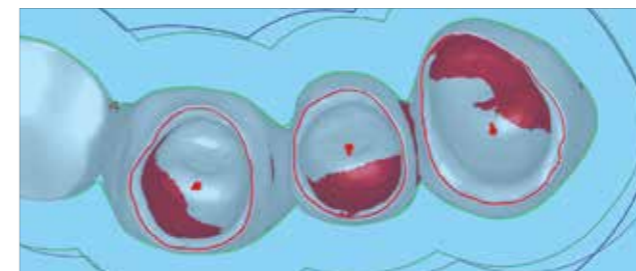
Individual undercut check
You can check the condition of the undercut individually, which allows you to be able to set the insertion direction of the tool faster and more conveniently. In addition, you can easily use the undercut view, the insertion direction modification, view insertion direction, and the occlusal surface machining direction setting using each of the provided icons.
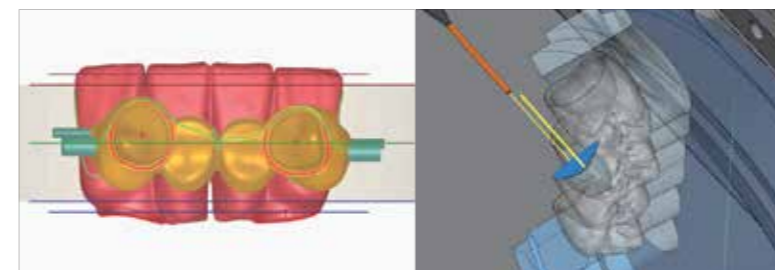
Open C-type jig machining
The use of C-type jig allows you to be able to easily machine thin and long anterior teeth and maximize the application of ARUM CAM.

ARUM 3D Printer System

3D Printer (LCD type)

- Print resolution 50um
- 50um, 100um slide printing
- 12 minutes for printing 1 crown
- Easy and convenient sliding-type bed exchange
- Convenient tank management (one-time use)

Specifications

Model	ARUM LCD ver1	ARUM LCD ver2	C-10	Model	ARUM LCD ver1	ARUM LCD ver2	C-10
Printing size (X/Y mm)	130*82	130*82	⌀ 32	Printing type	LCD	LCD	LCD
Average printing speed (mm/h)	50	50	60	Slicer	Chitubox, Magics for ARUM		DentSlicer
printing resolution (um)	50, 100	50, 100	47.25	Size(W*H*D)	300*493*300	300*445*300	202*211*349
Use temperature(℃)	25~28	25~28	25 ±5	Weight(kg)	15	13	6.06

UV Curing

- Adjustable surface gloss, internal strength, and color; and short curing time
- Dual UV LED circulation mixed wavelength / Vacuum & air curing system
- Prevents deformation of printouts with chamber preheating system

Specifications

Model	ARUM UV Curing	UV Pre pro
LED wavelength(nm)	405	365 / 405
Proper usetemperature(℃)	0~50	0~60
Curing chamber temperature (℃)	0~100	0~100
Inner chamber (W*H*D mm)	120*138.5*155	140*150
Build plate (⌀)	110	140
Size(W*H*D)	212*349*277	247*336*247
Weight(kg)	5.5	16

ARUM 3D Printer Resin

- The certification of biocompatibility for cytotoxicity, mucosal irritation, and systemic toxins
- KFDA Class II certification [C&B 5.0 Hybrid (for temporary teeth)]
- Excellent oral retention with low water absorption & water dissolution [C&B 5.0 Hybrid (for temporary teeth)]
- Has passed standard flexural strength
- Optimized use of LCD, DLP, SLA 3D Printer
- Excellent high strength & transparency

ARUM C&B 5.0 Hybrid/ Model Resin	ARUM C&B 5.0 Hybrid Resin	ARUM Model Resin

Specifications [ARUM C&B 5.0 Hybrid]

Property	Requirement	ARUM	Competitors	ISO standard
Flexural strength	≥ 50 MPa	174	107	ISO 10477
Sorption	≤ 70 µg/mm³	18.36	54	
Solubility	≤ 15,5 µg/mm³	3.75	5,9	
Biocompatibility	Non-cytotoxic	Comply	Comply	ISO 10993-1
	Non-mutagenic	Comply	Comply	
	Not induce any erythema or edema reactions	Comply	Comply	
	Not a sensitizer	Comply	Comply	
	Not cause systemic toxicity	Comply	Comply	

Curing conditions [ARUM C&B 5.0 Hybrid]

Shade	UV Time	Temperature	Vacuum time	Cooling time
A1	700 seconds	50℃	35 seconds	500 seconds
A2	750 seconds			
A3	800 seconds			

Volume

Product	Bottle	
C&B 5.0 Hybrid	1kg	500g
Model 5.0	1kg	500g

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

[Crown & Model] [Inlay] [Denture Base] [Crown & Bridge (Permanent)]

[Surgical Guide] [Bite Splint] [Individual Tray] [Splint]

3D Printer System

Zirconia Block

ARENA
Play Aesthetic Athletics

- Stable strength and shrinkage rate
- Excellent transparency and aesthetics
- Easy and simple coloring
- Quality control through thorough inspection
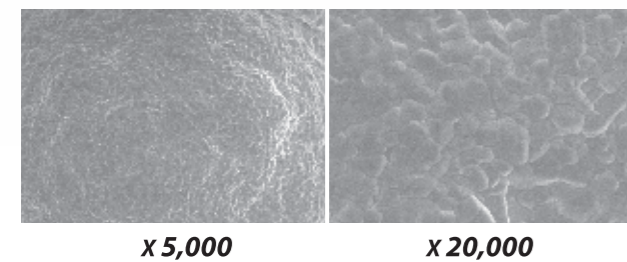- 100% raw materials used by Tosoh

made from 100% TOSOH zirconia powder
Manufacturer : ARUM DENTISTRY CO.,LTD.

FDA 510(k) Cleared

CE 0068

GMP

SEM Image *(Sintered Body Microstructure)*

x 5,000   x 20,000

Superior Aging Properties

Transformation depth

140℃ X 24hr in Water

20 (㎛)

A material   ARUM material (1500℃)   B material

Specification
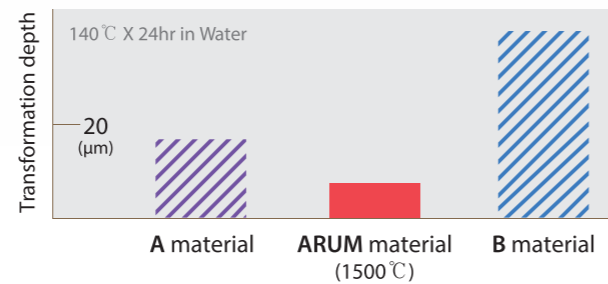
Type	White	Pre-Shade	Multi-Layered
	ARENA White 12T	ARENA Shade A2 12T	ARENA Multi-layered A1 12T
	White	Pre-Shade	Multi-Layered
Shade	A0	A1/A2/A3	A1/A2
Size	Ø 98	Ø 98	Ø 98
Thickness	10/12/14/16/18/20/22/25mm	10/12/14/16/18/20/22/25mm	12/14/16/18/20/22mm

Recommended Sintering Schedule

Temp.		Time	Rate
From	To		
Room Temp.	900℃ (1,652℉)	115min	↑ 7.8℃/min(46.04℉/min)
900℃ (1,652℉)	1,250℃ (2,282℉)	117min	↑ 3℃/min(37.4℉/min)
1,250℃ (2,282℉)	-	30min	Holding
1,250℃ (2,282℉)	1,530℃ (2,786℉)	93min	↑ 3.2℃/min(37.76℉/min)
1,530℃ (2,786℉)	-	120min	Holding
1,530℃ (2,786℉)	100℃ (212℉)	230min	↓ 6℃/min(42.8℉/min)

Chemical composition & Physical properties

Type	White & Pre-Shade Block	Multi-Layered Block
Chemical Composition	Zirconia ≥ 99.0%(ZrO2 + HFO2 + Y2O3)	Zirconia ≥ 99.0%(ZrO2 + HFO2 + Y2O3)
Color	White/A1/A2/A3	A1/A2
Density	≥ 6.07g/㎤	≥ 6.07g/㎤
Flexural Strength	1,100MPa(White), 1,100MPa(Shade)	1,100MPa ~ 600MPa
Thermal Expansion	$10.59 \times 10^{-6}\ K^{-1}$	$10.59 \times 10^{-6}\ K^{-1}$
Aging Properties (in 140℃ water)	9㎛ (Transformation depth*)	9㎛ (Transformation depth*)
Transmittance	≥ 45%(White)	≥ 45%(White)

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

Shade Sample

Shade A1	Shade A2	Shade A3	Multi-Layered A2

Multi-Layered A1 Clinical case

Step 1   Step 2

Step 3   Step 4   Finish

CAD/CAM etc.

Materials

Titanium, Co-Cr, Ni-Cr Disk	Zirconia	PMMA	PEEK
Wax	Lithium Disilicate(Glass Ceramic)	Nanocomposite	Pre-milled Blank

CAD Program

exocad   3shape

CAM Program

ARUM CAM   hyperDENT COMPACT · CLASSIC · OPTIONS

sum   MILL Box   worknc

Model Scanner

Model	FREEDOM HD	FREEDOM UHD
Resolution of camera	2.0MP	5.0MP
Accuracy (um)	7	7
Scan area (mm)	-	-
Size (W*H*Dmm)	300*495*430	300*495*430
Weight(kg)	17	17

Sintering Furnace

Model	ARUM sintering furnace	HTS/M/Zirkon
Max. Temperature(℃)	1600	1,650
Chamber Volume(mm)	90*90*65	Ø120*30
Size (W*H*Dmm)	375*490*385	390*790*500
Weight(kg)	33	60

Dust Collector

Model	Renfert SILENT CompactCAM
Size (W*H*Dmm)	245*440*500
Weight(kg)	13

Healing Scanbody

- Raw Material Ti 6AI-4V ELI (ASTM F 136) Supplied by Germany
- Accurate tightening indicator "A Line"
- Easy and fast scan data matching
- Minimal gingival pressure and securement of gingiva
- Supports with the industry's largest number
  of implant systems and libraries

- Raw Material Stainless Steel 303F
- Industry's largest library
- Industry's largest implant system compatibility

A Line

Indexes for the accurate fastening of implant fixtures and oral scan bodies and the prevention of the rotation of customized abutments.
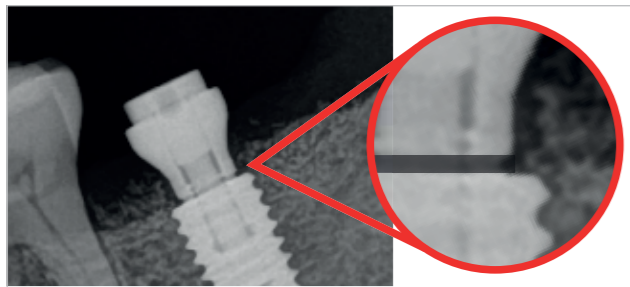
Easy and accurate matching

Easy and accurate scan data and library matching by nuts, D-cut and slope.

Screw
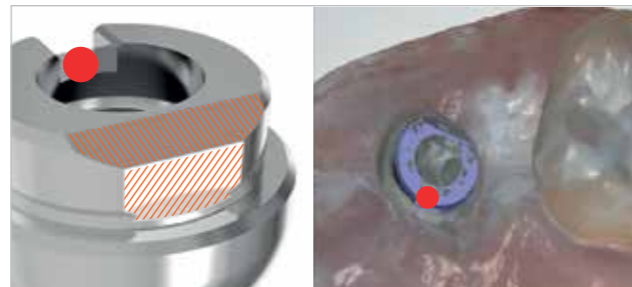
Concave Line

Concave Line to increase the completeness of dental procedure.
Minimization of gingival pressure
Securement of thick gingiva

Healing Scanbody Holder

Easy connect to fixture with intraoral scanbody holder
It is good for the complex case like molar procedure.
Possibility to select a suitable size with each different oral cavity

10mm

8mm

- Raw Material Ti 6AI-4V ELI (ASTM F 136) Supplied by Germany
- All hand inspection of thread
- Industry's largest implant system compatibility

Consumables

Pre-milled Blank

- Raw Material Ti 6AI-4V ELI (ASTM F 136) Supplied by Germany
- Industry's largest implant system compatibility
- Securement of quality through full-scale inspection
- Precision machined up to ±5μm

Diameter 10,14mm

We provide diameter of 10 and 14 mm for you to make Customized Abutments appropriate for various conditions of teeth. As they are compatible with more than 500 implant systems, you can machine using ARUM equipment.
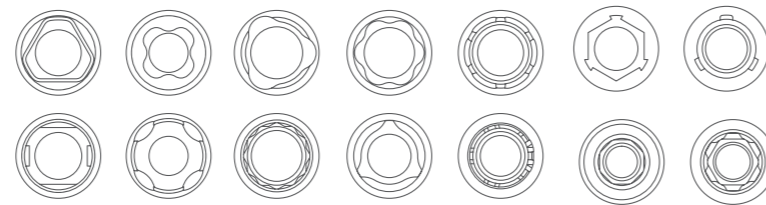
Attachment

With use of Attachment, you can machine more sophisticated and near-perfect Customized Abutment.
- Occlusal side milling : 500 Series / 450 Series / 4X-100
- Connectorless milling : 500 Series / 450 Series / 5X-200 / 4X-100

[Connectorless]	[Occlusal side]

WT Wrench

A tool to fix Attachment when tightening with a strong torque to prevent separation of Attachment and Premill when machining premill in a connectorless method.

- Easy to use and storage
- Compatible with all ARUM Attachments
- Stainless Steel 304
- 120mm*30mm*3mm / 76g

AT WRENCH

Attachment

Pre-milled Blank

Use case

5X-500 / 5X-500L

5X-450

4X-100

4X-450

Ti-Base

- Raw Material Ti 6AI-4V ELI (ASTM F 136) Supplied by Germany
- Industry's largest implant system compatibility
- Superior level of biocompatibility
- Combination of high fatigue strength

Analog

- Raw Material Stainless Steel 303F
- Industry's largest implant system compatibility
- Precision machined up to ±5μm
- For 3D print & stone model

Screw Driver Tips

- Place the model scanbody and the abutment
- 10 types of tips (compatible with more than 300 implants system)

Analog Insertion Tips

- Place the lab analog to 3D printed model
- Easy and safe to place the lab analog
- Prevent damage of the lab analog internal thread
- 5 types of tips (compatible with more than 300 implants system)

Torque Adapter

- For clamping Attachment and Premill for connectorless milling (with 0.3Nm torque)
- Prevent screw loosening during milling

Clinical Driver

Screw Driver Tips Line-Up

SIZE		COLOR	Compatible Implant System
	Hex 1.0	Blue	DENTIUM NR Line, DENTSPLY Ankylos C/X Implant, etc.
	Hex 1.2	Purple	BIOMET 3i Certain, BIOMET 3i EXTERNAL HEX, DENTIS i-Clean, DENTSPLY Xive, DIO UF, MEGAGEN AnyONE, MEGAGEN Anyridge, NEOBIOTECH, OSSTEM GS(TS), OSSTEM SS, OSSTEM US, SIC Invent, etc.
	Hex 1.25	Black	BEGO Semados, BIOHORIZONS External, BIOHORIZONS Internal, DENTIS s-Clean, LASAK Bioniq, etc.
	Hex 1.27	Red	ALPHABIOTEC Internal Hex, ANTHOGYR axiom, ASTRA TECH OsseoSpeed TX, CAMLOG, DENTIUM Super-Line, IMPLANT DIRECT Legacy, MIS C1, MIS Internal Hexagon, ZIMMER Tapered Screw-Vent, etc.
	Hex 1.3	Green	ASTRA TECH OsseoSpeed EV, CLC Conic, DYNA Pushin Octalock, KENTEC, PLATON, Type IV Pro, Sweden & Martina, etc.
	Torx 1.7	Brown	STRAUMANN Bone Level, STRAUMANN Conical Bone Level, STRAUMANN synOcta, etc.
	Torx 1.5 (Star)	Yellow	ADIN CLOSEFIT, NOBEL BIOCARE Active, NOBEL BIOCARE Branemark, NOBEL BIOCARE Replace Select, etc.
	Cross	Gray	THOMMEN SPI, etc.
	Ball Torx	Orange	1. Most of angled screws of ARUM Ti-base (screw head size is more than 2.1mm) 2. All implant system for disk angulated screw channels
	Ball Hex	White	Some of angled screws of ARUM Ti-base (screw head size is less than 2.1mm) *Please contact us for a separate list.

Analog Insertion Tips Line-Up

SIZE		COLOR	Compatible Implant System
	M2.0*P0.40	Cocoa	Osstem GS Regular, Dentium Super line, Megagen Anyone, Dentis S-clean, Straumann Tissue level, etc.
	M1.8*P0.35	Light Green	Zimmer TSV, Megagen Anyridge, Biohorizon Internal, Bego Semados, etc.
	M1.6*P0.35	Pink	Straumann Bone level, Osstem GS Mini, Nobel biocare Active Mini, Dentsply Xive, Neodent GM, etc.
	M1.4*P0.30	Sky Blue	Starumann Bone level 2.9, Dio UF Narrow, Megagen Mini, Astra YellowMost of Multi unit, etc.
	M2.5*P0.45	Ivory	Osstem US Wide, Nobel biocare Branemark WP, etc.

** Aware of the color of analog tip
** Contact us for a complete list of implant compatibility

Torque Adapter

Torque	0.3 Nm

- Use of Trimrite with excellent corrosion resistance
- Easy and simple cleaning
- For angle screw channels
- Heat treatment and hardness of 50 or more

[Hex 8mm]   [Torx 15mm]

Size	Length	Order Code	Implant System	Recommend Torque
Ball Torx	22mm	BT1722	1. Most of angled screws of ARUM Ti-Base (screw head size is more than 2.1mm) 2. All implant system for disk angulated screw channels	20 Ncm
	15mm	BT1715		
	8mm	BT1708		
Ball Hex	22mm	BH1222	Some of angled screws of ARUM Ti-Base (screw head size is less than 2.1mm) *Please contact us for a separate list.	20 Ncm
	15mm	BH1215		
	8mm	BH1208		

Consumable Line-up

ARUM Product List

No	ARUM System	Compatibility Implant System	Screw	Analog	Ti-Base H	Ti-Base NH	Model Scanbody	Healing Scanbody	Pre-milled Blank 10mm H	Pre-milled Blank 10mm NH	Pre-milled Blank 14mm H	Pre-milled Blank 14mm NH	Attach
1	AD-CLOS	ADIN® CLOSEFIT™	○	○	○	○	○		○	○			
2	AD-TOU	ADIN® TOUAREG™ S&OS	○	○	○	○	○		○		○		
3	AB-IH	ALPHABIOTEC® Internal Hex	○	○	○	○	○	○	○		○		
4	AN	ANTHOGYR®	○	○	○	○	○		○		○		○
5	AT-EV	ASTRA TECH™ OsseoSpeed™ EV	○	○	○	○	○		○		○		○
6	AT-EVPRO	ASTRA TECH™ OsseoSpeed™ Profile EV					○						
7	AT-OSS	ASTRA TECH™ OsseoSpeed™ TX	○	○	○	○	○	○	○	○	○	○	○
8	BEG	BEGO Semados®	○	○	○	○	○		○	○	○		○
9	BIC	BICON® Integra-CP™		○		○	○			○		○	
10	BD-BL	biodenta® Bone Level	○	○			○		○				
11	BH-EXT	BIOHORIZONS® External®	○	○	○	○	○		○	○			○
12	BH-INT	BIOHORIZONS® Internal®	○	○	○	○	○	○	○	○	○		○
13	BM3I-INT	BIOMET 3i® Certain®	○	○	○	○	○		○		○		○
14	BM3I-EXT	BIOMET 3i® EXTERNAL HEX CINNECTION	○	○	○	○	○		○		○		○
15	BT-BIK	BIOTECH DENTAL® KONTACT® / KONTACT S®	○	○	○	○	○		○	○			○
16	BB-MYT	BrainBase Corporation® MYTIS Arrow Implant	○				○		○				
17	BRM-SK	BREDENT Medical SKY®	○	○	○	○	○		○				○
18	BT-INT	BTI INTERNAL®	○	○	○		○		○				○
19	CAM	CAMLOG®	○	○	○	○	○		○		○		○
20	CON	CAMLOG® CONELOG®	○	○	○	○	○	○	○		○		○
21	CL-CON	CLC Conic	○				○		○				
22	CRT	CORTEX®	○	○	○		○		○		○		
23	CWM-INT	COWELLMEDI® INNO Internal	○	○	○	○	○		○				
24	CTE-EST	C-TECH® Esthetic Line	○	○	○	○	○		○		○		
25	DP	DEEP®	○	○	○	○	○		○	○			

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26	DR-TIO	Dentaurum tioLogic®	○		○		○		○				
27	DTS-ICL	DENTIS® i-Clean	○	○	○	○	○	○	○		○	○	
28	DTS-SCL	DENTIS® s-Clean	○	○	○	○	○		○	○	○	○	
29	DTM-NR	DENTIUM® NR Line	○	○	○	○	○		○				
30	DTM-SIM	DENTIUM® SimpleLine	○	○	○	○	○		○				
31	DTM-SPL	DENTIUM® SuperLine	○	○	○	○	○	○	○		○	○	
32	DS-XIV	DENTSPLY® Xive®	○	○	○	○	○		○				○
33	DS-ANK	DENTSPLY® Ankylos® C/X Implant	○	○	○	○	○		○				
34	DO-SM	DIO® SM	○	○	○	○	○		○				
35	DO-UF	DIO® UF	○	○	○	○	○	○	○		○		○
36	DO-UFT	DIO® UF(II) Internal Non Submerged	○				○		○				○
37	DYN-PUS	DYNA Pushin Octalock®	○	○	○		○		○				
38	EB	EBI®	○				○		○				
39	GLD-TEK	Global D® Tekka® In-Kone	○	○	○	○	○		○				
40	HMT-RA	HumanTech RATIO	○				○		○				
41	ID-LEG	IMPLANT DIRECT® Legacy™	○	○	○	○	○		○		○		○
42	IL-GB	INTRA-LOCK® GOLD&BLUET™	○				○	○	○				○
43	KENT	KENTEC®	○	○	○		○		○				
44	KS-PRI	KEYSTONE Prima Connex®	○	○	○		○		○		○		○
45	KYO-PO	KYOCERA POIEX	○	○	○	○	○		○				
46	KYO-FBL	KYOCERA FINESIA® Bone Level	○				○		○				
47	KYO-FTL	KYOCERA FINESIA® Tissue Level	○				○		○				
48	LSK-BIO	LASAK Bioniq®	○	○	○	○	○		○		○		○
49	MM-IC	Medentis Medical® ICX	○	○	○	○	○	○	○		○		○
50	MEG	MEGAGEN®	○	○	○	○	○		○		○		

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51	MEG-ONE	MEGAGEN® AnyONE	○	○	○	○	○	○	○	○	○	○	○
52	MEG-RID	MEGAGEN® Anyridge®	○	○	○	○	○		○	○	○		○
53	MEG-EEP	MEGAGEN® Anyridge® Extra EZ POST	○				○		○	○			
54	MEG-EZP	MEGAGEN® EZ Plus	○	○	○	○	○		○	○	○	○	○
55	MEG-RES	MEGAGEN® Rescue	○	○	○	○	○		○	○	○	○	○
56	MS-C	MIS® C1	○	○	○		○		○				○
57	MS-INT	MIS® Internal Hexagon	○	○	○		○	○	○		○		○
58	NEB	NEOBIOTECH®	○	○	○	○	○	○	○	○	○	○	
59	NED	NEODENT® CM Implant Line	○	○	○		○		○				
60	NED-GM	NEODENT® GM	○	○			○						
61	NOS-PA	NEOSS Pro Active®	○	○	○	○	○		○		○		○
62	NB-ACT	NOBEL BIOCARE® Active™	○	○	○	○	○	○	○		○		○
63	NB-BRA	NOBEL BIOCARE® Branemark®	○	○	○	○	○		○		○		○
64	NB-REP	NOBEL BIOCARE® Replace Select™	○	○	○	○	○		○		○		○
65	NCOS	NucleOSS	○		○		○		○				
66	OST-GS	OSSTEM® GS(TS)	○	○	○	○	○	○	○	○	○	○	○
67	OST-SS	OSSTEM® SS	○	○	○	○	○		○	○	○		○
68	OST-US	OSSTEM® US	○	○	○	○	○	○	○		○		○
69	PLT-IV	PLATON® Type IV Pro	○				○		○				
70	SHN	SHINHUNG®	○	○			○		○				
71	SC-INV	SIC Invent®	○	○	○		○		○		○		○
72	SI-MSC	SOUTHERN IMPLANT MSc EXTERNAL HEX	○	○	○	○	○		○	○			
73	SI-INT	SOUTHERN IMPLANTS M-Series (Internal Hex)	○	○			○						
74	STR-BL	STRAUMANN® Bone Level®	○	○	○	○	○	○	○	○	○		○
75	STR-CBL	STRAUMANN® Conical Bone Level®	○	○	○	○	○		○	○			

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76	STR-TL	STRAUMANN® synOcta®	○	○	○	○	○		○	○	○	○	
77	SM	Swedn&Martina	○	○	○		○		○				○
78	THO-SPI	THOMMEN SPI®	○	○	○		○		○		○		○
79	WAR-ONE	WARANTEC® Oneplant	○	○	○	○	○		○		○		
80	ZMR	ZIMMER®	○	○	○	○	○		○	○	○	○	
81	ZMR-SPA	ZIMMER® Spline A	○	○			○		○				
82	ZMR-SPB	ZIMMER® Spline B	○		○		○		○		○		
83	ZMR-TSV	ZIMMER® Tapered Screw-Vent®	○	○	○	○	○	○	○	○	○	○	○

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