

ARUM

DENTAL CAD/CAM Total Solutions

CATALOG 2019 VER.01

DIFFERENTIATED DENTAL CAD/CAM PRODUCTS AND SERVICES

Using the world's first-rate technology, ARUM provides differentiated dental CAD / CAM milling machines and dental materials to laboratories all around, domestic and foreign.

We are pleased to introduce our unrivaled technology through various lineups and superb partners from all over the world.

02	About ARUM
04	Global Market
07	DOOWON's History
08	ARUM Dental Solution System
10	ARUM Milling Machine Line-UP
12	ARUM 5X-200
16	ARUM 4X-100
20	ARUM 5X-400
24	300 SERIES [ARUM 5X-300/300D]
26	300 SERIES [ARUM 4X-300/300D]
30	Accessories

ARUM[®]
www.doowonid.com

ARUM, BASED ON THE WORLD'S BEST TECHNOLOGY.

We export ARUM milling systems all around the world.
Our systems are recognized by many customers thanks to
our exquisite milling function and unparalleled technical support.



HEAD OFFICE

34028, 44, Techno 8-Ro, Yuseong-Gu, Daejeon, Republic of Korea

E-mail : infoarum@doowonid.com

Tel : +82-42-721-3644 ext.1 Fax : +82-42-721-3643



DOOWON'S HISTORY

ARUM! All about dental CAD/CAM System

ARUM was originally established by DOOWON Co., Ltd 20 years ago, and has been focusing on the dental industry only since the year 2000. From then on, ARUM has developed a total dental implant CAD/CAM solution.

ARUM is largely divided into two parts: one is dental milling machines and the other being components for implant work. Experiencing tremendous growth of dental milling business, ARUM is highly regarded by customers from all over the world.

Please be with us in our bright future. We will take every new challenge for endless advance. ARUM offers Screws, Analogs, Ti-bases, Model Scanbodies, Intraoral Scanbodies, Pre-milled blanks, 7 different lines of milling machines and more.

We make our best efforts to convince the belief that ARUM is the highest quality ever. With superior technical skills, ARUM components are fully compatible with majority of implant companies all over the world. ARUM continues to develop all its product lines with the best quality and precision to its customers worldwide.

Total Solution

24 HOUR
TECHNICAL SUPPORT



HIGH QUALITY
AND FLAWLESS RESULT



ARUM DENTAL SOLUTION SYSTEM

CAD/CAM WORKFLOW

ARUM Lab Analog



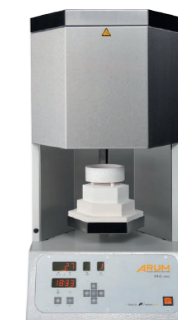
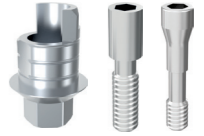
ARUM Scanbody



ARUM Pre-Milled Blank 10mm, 14mm



ARUM Ti-Base Clinical Screw Angled Screw



IMPRESSION TRAY

STONE MODEL /3D PRINT MODEL

SCAN

DESIGN with CAD

MILLING with CAM

SINTERING

PATIENT SETUP

ARUM DENTAL CAD/CAM OPERATION PROCESS

Extraordinary precision dental CAD/CAM machining, accurate and superior quality dental materials (Ti 6Al-4V ELI / Stainless Steel 303F) allows you to complete your laboratory. This is a dental CAD/CAM total solution system that can only be achieved through Arum.

ARUM 3D MODEL SCANNER + ARUM WORLD NO.1 Library (250+ Implant connections)

ARUM OPEN CAD SYSTEM
Exocad® 3 Shape™ Dental wings®

ARUM MILLING MACHINES (7 Models) + OPEN CAM SYSTEM
hyperDENT® WorkNC® SUM® 3D

ARUM SINTER FURNACE

ARUM DENTAL SOLUTION SYSTEM

CAD / CAM MILLING MACHINE LINE-UP

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



Axis		5-Axis	4-Axis
Processing		Wet and Dry	Wet and Dry
Materials	Pre-Milled Blank (Titanium)	O	O
	Co-Cr Disk	O	X
	Ni-Cr Disk	O	X
	Titanium Disk	O	X
	Lithium Disilicate (E-max®, Etc)	O	O
	Nanocomposite (Vericom Mazic® duro, Lava Ultimate®, Etc)	O	O
	PMMA	O	O
	PEEK	O	O
	Wax	O	O
	Zirconia	O	O
Indications	Inlay and Onlay	O	O
	Crown, Coping	O	O
	Crown Bridge, Coping Bridge	O	Δ
	Dental Bar, Screw-Retained Bridge	O	X
	Customized Abutment	O	O
	Hybrid Abutment	O	X
	Model	O	X
	Bite Splint	O	X
A.T.C		15	8
Page		12p	16p

300 SERIES



5-Axis	5-Axis	5-Axis	4-Axis	4-Axis
Wet and Dry	Wet and Dry	Dry	Wet and Dry	Dry
O	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
O	O	X	O	X
O	O	O	O	O
O	O	O	O	O
O	O	O	O	O
O	O	O	O	O
O	O	O	O	O
O	O	O	O	O
O	O	O	Δ	Δ
O	O	O	X	X
O	O	O	X	X
O	O	O	X	X
O	O	O	X	X
10	12	12	12	12
20p	24p		26p	

THE BEGINNING AND
THE END OF DENTAL CAD/CAM

ARUM 5X-200



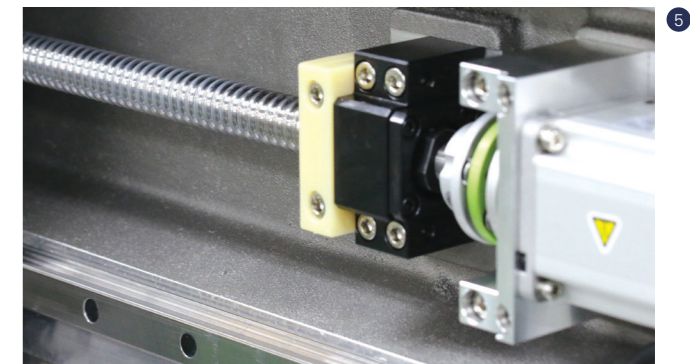
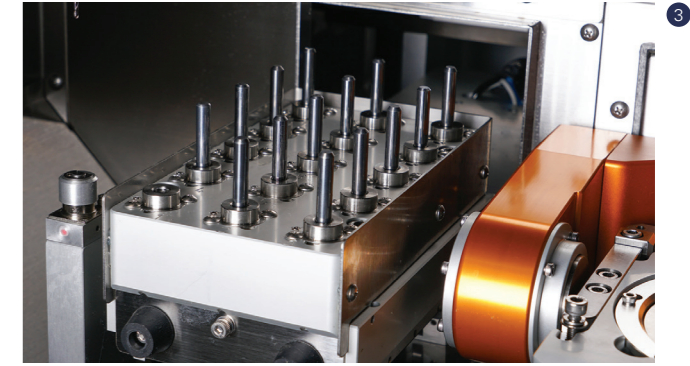
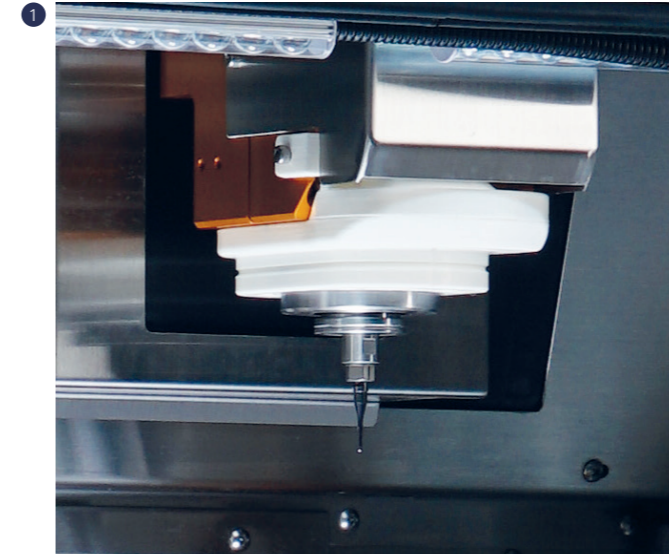
ARUM 5X-200

ARUM 4X-100

ARUM 5X-400

300 SERIES

ACCESSORIES



1 **Heavy-Duty Spindle**

2 **5-Axis**
simultaneous milling

3 **15 position**
automatic tool changer

4 **5 unit**
Pre-Milled Blank Fixture

5 **Precision guides and ball screws**

ARUM 5X-200



Titanium, Co-Cr, Ni-Cr Disk

Screw-Retained Bridge



Screw-Retained Bridge & Bar



The beginning and the end of dental CAD/CAM

The DC 3.0kw spindle can be utilized to mill Zirconia, Co-Cr, and Glass Ceramic in addition to further existing dental materials. The innovative simultaneous 5-Axis maximizes precision by minimizing milling blind spots, allowing for a more complete, more superior product.

5X-200 Specifications

Number of Axis	5-Axis	
Indications	Inlay and Onlay, Crown, Coping, Crown Bridge, Coping Bridge, Dental Bar, Screw-Retained Bridge, Customized Abutment, Hybrid Abutment, Model, Splint	
Processing Type	Wet and Dry	
Cutable Materials	Titanium Disk, Co-Cr Disk, Ni-Cr Disk, Pre-Milled Blank (Titanium), Zirconia, Lithium Disilicate (E-max®, Etc), Nanocomposite (Vericom Mazic® duro, Lava Ultimate® Etc), PMMA, PEEK, Wax, Etc	
Surrounding Equipment	Water Tank (Wet Type) /Option - Air Compressor, Dust Collector (Dry Type)	
Drive Mechanism	Ball Screw	
Way System	Linear Guide	
LED Work Light	White, Blue	
Machine Size	743×827×1782mm (29×32×70inch)	
Machine Weight	405Kg (893lb)	
Travel	X,Y,Z axis	330×146×145mm (13×6×6inch)
	A,B axis	A : 360° / B : ±30°
Spindle Power	DC 3.0kw	
Spindle Speed	2,000 to 60,000 rpm	
A.T.C Number of Tools	15	
Input Power	1 AC 200~250V / 50~60Hz / 15A	

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

A LEGEND OF CUSTOMIZED
ABUTMENT

ARUM 4X-100



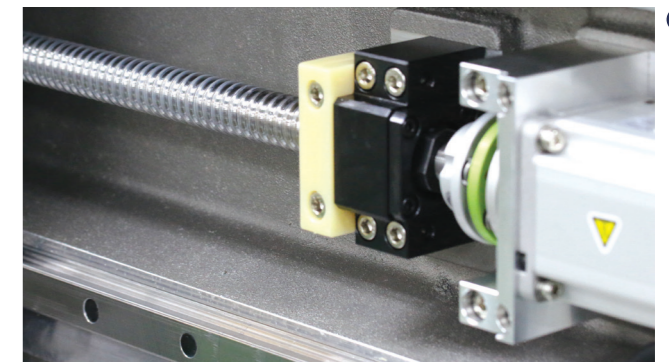
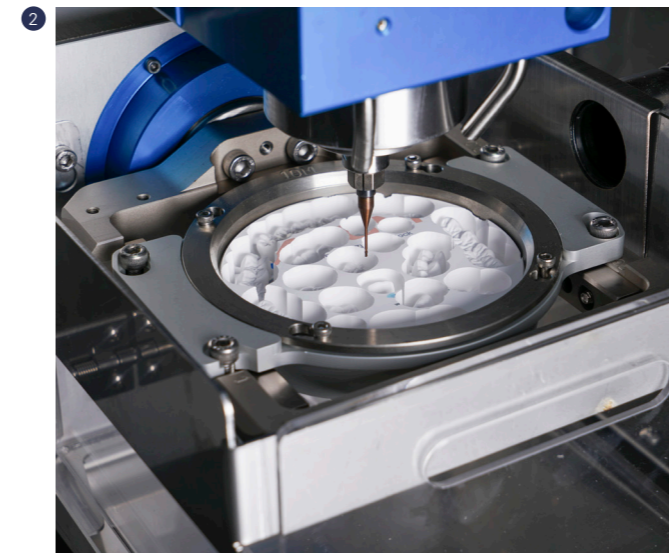
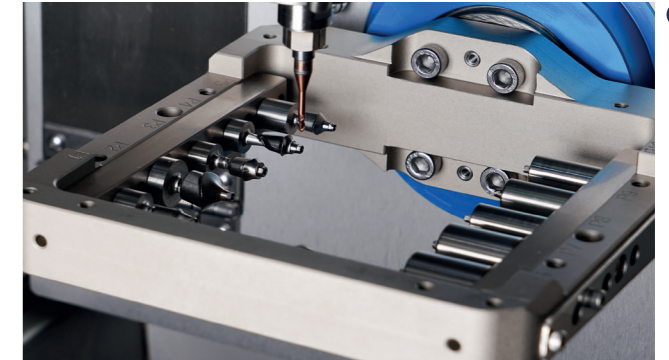
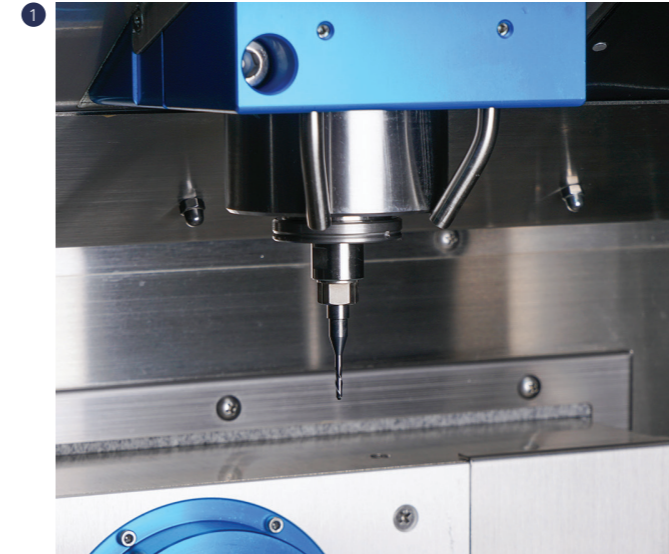
ARUM 5X-200

ARUM 4X-100

ARUM 5X-400

300 SERIES

ACCESSORIES



1 **Heavy-Duty Spindle**

2 **4-Axis**
simultaneous milling

3 **10 unit**
Pre-Milled Blank Fixture

4 **8 position**
automatic tool changer

5 **Precision guides and ball screws**

ARUM 4X-100



ARUM Pre-Milled Blank

Titanium Customized Abutment & Hybrid Customized Abutment (Ti-base)



Titanium Customized Abutment & Hybrid Customized Abutment (Ti-base)

- ARUM 5X-200
- ARUM 4X-100
- ARUM 5X-400
- 300 SERIES
- ACCESSORIES



A Legend of Customized Abutment

Reduction in production time can be achieved through up-to 10 simultaneous machining. In addition, the reverse machining allows for a shorter post-mill processing time and a cost reduction.

4X-100 Specifications

Number of Axis	4-Axis	
Indications	Inlay and onlay, Crown, Coping, Crown Bridge, Coping Bridge, Customized Abutment	
Processing Type	Wet and Dry	
Cutable Materials	Pre-Milled Blank (Titanium), Zirconia, Lithium Disilicate (E-max®, Etc), Nanocomposite (Vericom Mazic® duro, Lava Ultimate® Etc), PMMA, PEEK, Wax, Etc	
Surrounding Equipment	Water Tank (Wet Type) /Option - Air Compressor, Dust Collector (Dry Type)	
Drive Mechanism	Ball Screw	
Way System	Linear Guide	
LED Work Light	White	
Machine Size	623×780×1735mm (24×30×68inch)	
Machine Weight	300Kg (661lb)	
Travel	X,Y,Z axis	250×116×110mm (10×5×4inch)
	A,B axis	B : 360°
Spindle Power	AC 1.8kw	
Spindle Speed	5,000 to 50,000 rpm	
A.T.C Number of Tools	8	
Input Power	1 AC 200~250V / 50~60Hz / 15A	

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

ALL ABOUT SMART

ARUM 5X-400



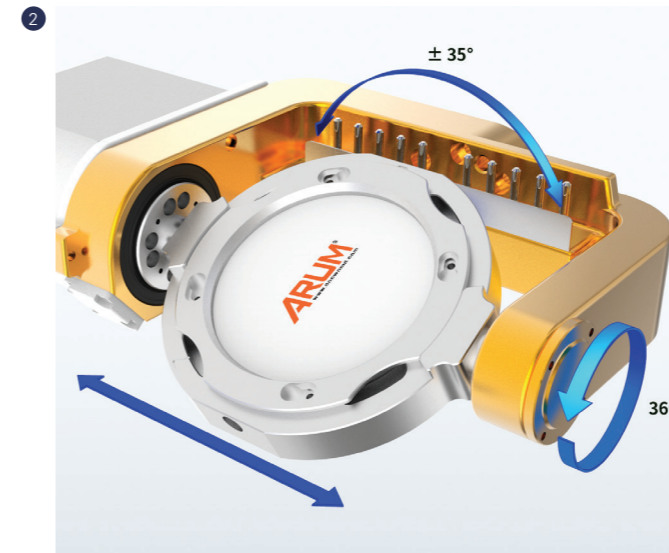
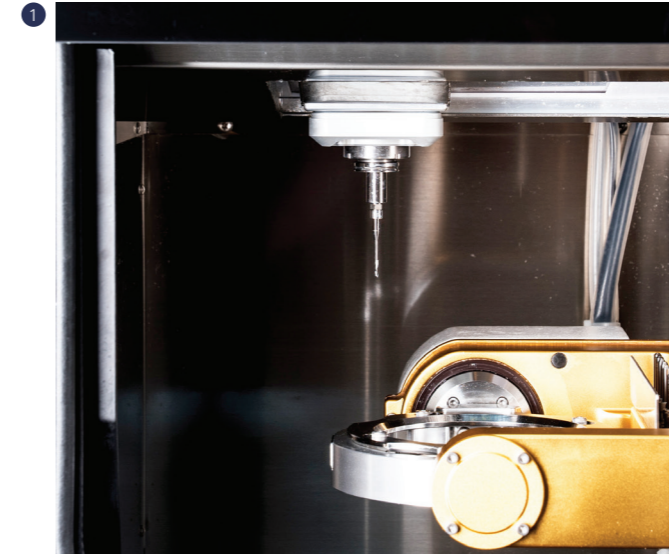
ARUM 5X-200

ARUM 4X-100

ARUM 5X-400

300 SERIES

ACCESSORIES



1 Heavy-Duty Spindle

2 **5-Axis**
simultaneous milling

3 Pre-Milled Blank Fixture

4 **10 position**
automatic tool changer

5 Lithium Disilicate Cartridge

ARUM 5X-400



Litium Disilicate Inlay & Crown Bridge



Zirconia Crown Bridge



Titanium Customized Abutment & Hybrid Customized Abutment (Ti-base)

- ARUM 5X-200
- ARUM 4X-100
- ARUM 5X-400
- 300 SERIES
- ACCESSORIES



ALL ABOUT SMART

With the 5-Axis machine, all shapes or forms can be milled from Zirconia to Pre-Milled Blank.

5X-400 Specifications

Number of Axis	5-Axis	
Indications	Inlay and Onlay, Crown, Coping, Crown Bridge, Coping Bridge, Dental Bar, Screw-Retained Bridge, Customized Abutment, Hybrid Abutment, Model, Splint	
Processing Type	Wet and Dry	
Cutable Materials	Pre-Milled Blank (Titanium), Zirconia, Lithium Disilicate (E-max®, Etc), Nanocomposite (Vericom Mazic® duro, Lava Ultimate® Etc), PMMA, PEEK, Wax, Etc	
Surrounding Equipment	Water Tank (Wet Type) / Option - Air Compressor, Dust Collector (Dry Type)	
Drive Mechanism	Ball Screw	
Way System	Linear Guide	
LED Work Light	White	
Machine Size	545×590×1630mm (21×23×64inch)	
Machine Weight	160Kg (352lb)	
Travel	X,Y,Z axis	145×110×85mm (5×4×3inch)
	A,B axis	A : ±35° / B : ±180°
Spindle Power	0.5kw	
Spindle Speed	6,000 to 80,000 rpm	
A.T.C Number of Tools	10	
Input Power	1Ø Phase(s) 100-240V~, 50/60Hz, 5.5A	

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

SIMPLE AND ACCURATE

ARUM 5X-300 5X-300D



- ARUM 5X-200
- ARUM 4X-100
- ARUM 5X-400
- 300 SERIES [ARUM 5X-300/300D]**
- ACCESSORIES



1 Heavy-Duty Spindle



2 5-Axis Simultaneous Milling



Zirconia
Crown Bridge



Hybrid
Customized
Abutment
(Ti-base)



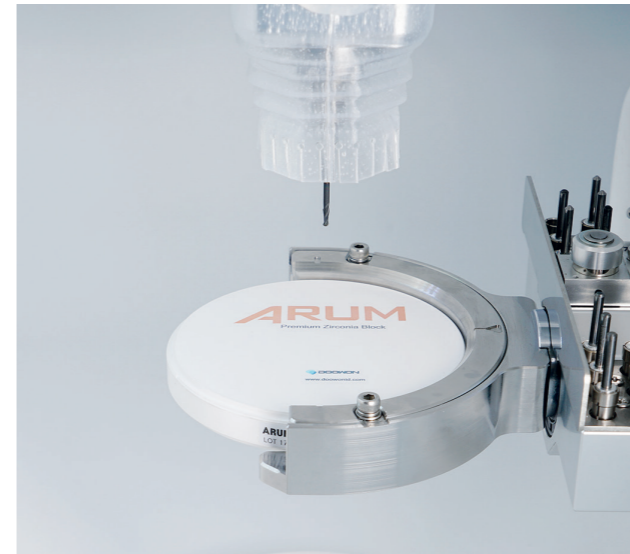
Litium Disilicate Inlay
& Crown Bridge

SIMPLE AND ACCURATE

ARUM 4X-300 4X-300D



- ARUM 5X-200
- ARUM 4X-100
- ARUM 5X-400
- 300 SERIES [ARUM 4X-300/300D]
- ACCESSORIES



1 Heavy-Duty Spindle



2 4-Axis Simultaneous Milling



Zirconia
Crown Bridge



Hybrid
Customized
Abutment
(Ti-base)



Litium Disilicate Inlay
& Crown Bridge

ARUM 5X-200

ARUM 4X-100

ARUM 5X-400

300 SERIES [ARUM 5X-300/300D]

ACCESSORIES



Simple and Accurate

All materials excluding metal can be processed in the 5-Axis super precision milling. The compact size and remarkable appearance of the equipment is sure to complement the both clinic & dental laboratories.

5X-300/300D Specifications

MODEL		5X-300	5X-300D
Number of Axis		5-Axis	5-Axis
Indications		Inlay and Onlay, Crown, Coping, Crown Bridge, Coping Bridge, Dental Bar, Screw-Retained Bridge, Hybrid Abutment, Model, Splint	Inlay and Onlay, Crown, Coping, Crown Bridge, Coping Bridge, Dental Bar, Screw-Retained Bridge, Hybrid Abutment, Model, Splint
Processing Type		Wet and Dry	Dry
Cuttable Materials		Zirconia, Lithium Disilicate (E-max®, Etc), Nanocomposite (Vericom Mazic® duro, Lava Ultimate® Etc), PMMA, Wax, PEEK	Zirconia, Nanocomposite (Vericom Mazic® duro, Lava Ultimate® Etc), PMMA, Wax, PEEK
Machine Size	Machine	545 X 590 X 630mm (21 X 22 X 24 inch)	545 X 590 X 630mm (21 X 22 X 24 inch)
	Table	545 X 590 X 950mm (21 X 22 X 37 inch)	-
Machine Weight	Machine	90kg (198lb)	90kg (198lb)
	Table	65kg (143lb)	-
Spindle Power		0.5kw	0.5kw
Spindle Speed		6,000~80,000 RPM	6,000~80,000 RPM
Input Power		100-240V~, 50/60Hz, 5.5A	100-240V~, 50/60Hz, 5.5A
A.T.C Number of Tools		12	12
Rotation Angle		A axis : ±30° / B axis : ±180°	A axis : ±30° / B axis : ±180°

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

ARUM 5X-200

ARUM 4X-100

ARUM 5X-400

300 SERIES [ARUM 4X-300/300D]

ACCESSORIES



Simple and Accurate

We've taken reasonable and effective productivity to a whole new level. Intuitive U.I design allows for increase in user convenience.

4X-300/300D Specifications

MODEL		4X-300	4X-300D
Number of Axis		4-Axis	4-Axis
Indications		Inlay and Onlay, Crown, Coping, Crown Bridge, Coping Bridge, Hybrid Abutment	Inlay and Onlay, Crown, Coping, Crown Bridge, Coping Bridge, Hybrid Abutment
Processing Type		Wet and Dry	Dry
Cuttable Materials		Zirconia, Lithium Disilicate (E-max®, Etc), Nanocomposite (Vericom Mazic® duro, Lava Ultimate® Etc), PMMA, Wax, PEEK	Zirconia, Nanocomposite (Vericom Mazic® duro, Lava Ultimate® Etc), PMMA, Wax, PEEK
Machine Size	Machine	545 X 590 X 630mm (21 X 22 X 24 inch)	545 X 590 X 630mm (21 X 22 X 24 inch)
	Table	545 X 590 X 950mm (21 X 22 X 37 inch)	-
Machine Weight	Machine	90kg (198lb)	90kg (198lb)
	Table	65kg (143lb)	-
Spindle Power		0.5kw	0.5kw
Spindle Speed		6,000~80,000 RPM	6,000~80,000 RPM
Input Power		100-240V~, 50/60Hz, 5.5A	100-240V~, 50/60Hz, 5.5A
A.T.C Number of Tools		12	12
Rotation Angle		A axis : ±180°	A axis : ±180°

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

ACCESSORIES

SCANNER

ARUM[®] UHD [5.0mp]



ARUM[®] HD [1.8mp]



3D PRINTER

ARUM[®] 50



PRODUCTS

PRODUCT	PRODUCT	SIZE	NOTE	
	Metal	10, 12, 14, 16, 18, 20T	Please refer to separate list.	
	Titanium			
	Co-Cr			
	Model Scanbody	-	Please refer to separate list.	
		Analog	-	Please refer to separate list.
		Ti-Base	-	Please refer to separate list.
	Pre-Milled Blank	Ø10, Ø14	Please refer to separate list.	
	Curved Pre-Milled Blank *Please contact us for order production	10°, 15°	Please refer to separate list.	

ARUM 5X-200

ARUM 4X-100

ARUM 5X-400

300 SERIES

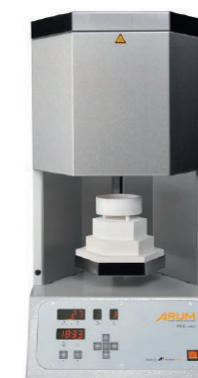
ACCESSORIES

VACUUM

ARUM[®] V1



SINTERING FURNACE



CAM SOFTWARE



PRODUCT	PRODUCT	SIZE	NOTE
	Cartridge	5X-200 / 4X-100	Please refer to separate list.
	Zirconia Tool	D2.0, 1.0, 0.6, 0.3mm	Please refer to separate list.
	Metal Tool	D2.0, 1.5, 0.6mm	Please refer to separate list.
	Ball end mill		
	Flat end mill		
	Drill	D2.0, 1.5mm	
	Glass Ceramic / Composite Resin	D2.5, 1.5, 1.0, 0.6mm	Please refer to separate list.
	Reamer Tool	MR 01~16 (for major implant)	Please refer to separate list.



34028, 44, Techno 8-Ro, Yuseong-Gu, Daejeon, Republic of Korea

Tel : + 82 42 721 3644 ext. 1 Fax : +82 42 721 3643 E-mail : infoarum@doowonid.com

