

USINEUSE FAITHFUL POUR PROTHÈSES PRINCIPALES



Usineuse 5 axes pour l'usinage à sec ou humide.



ARUM série 450

800+
IMPLANT
CONNECTIONS
TOTAL CAD/CAM
SOLUTIONS

- | | | | | |
|--------|----------|------|-----------|---------------|
| Wet | Dry | Disk | CAD Block | Connectorless |
| Labial | Occlusal | Cuff | 5Axis | Pre-milled |



Détail des usineuses ARUM



Metal Disk [800+ Implant Connection Milling]

Pre-milled Blank

Zirconia Block

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	245*116*130mm
	A axis / B axis	360° / +40° ~ -31.5°	360° / +40° ~ -31.5°	360° / ±30°
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	○	◎	◎

* Les produits sont susceptibles d'être modifiés sans préavis pour améliorer la qualité, la fonction, la conception ou autre.

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

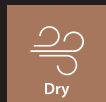
ARUM

5X-450 / 4X-450

5X-450



Wet



Dry



All Disk

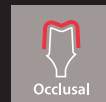


CAD Block

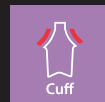
4X-450



Wet



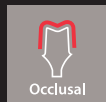
Occlusal



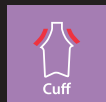
Cuff



Labial



Occlusal



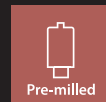
Cuff



5Axis



Connectorless



Pre-milled



4Axis



Paramètre de stratégie européenne de fraisage

[5X-450]
Pour plus de 800 connexions d'implants.

Cadre de machine solide pour une qualité de fraisage incomparable.



Pince Étau en C

[5X-450]
Pince en C pour plus d'efficacité et de qualité.



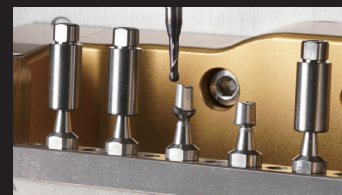
5-Axes

[5X-450]
Usinage simultané sur 5 axes, y compris les contre-dépouilles.



Pré-fraisage sans Connecteurs

[5X-450] 5ea [4X-450] 10ea



Fraisage pré-fraisage Straumann Original disponible

[5X-450] Straumann PMAB titulaire.



Usine les matériaux durs et mous, même le titane

Informations sur les matériaux et les applications

Materials			Applications		
Model	5X-450	4X-450	Model	5X-450	4X-450
Pre-milled Blank	◎ (5ea)	◎ (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



[5X-450] Usinage de précision à l'aide d'une cartouche AT

En plus de l'usinage simple des faces supérieure et inférieure, vous pouvez usiner la face revers (face gingivale), la face occlusale et la rainure de rétention en utilisant la cartouche AT.

[4X-450] Differentiated Pre-milled Blank Machining

Vous pouvez monter 10 ébauches pré-fraisées et les usiner simultanément, et usiner la zone revers (côté gingival) et côté occlusal en utilisant une rotation de 90° de l'axe A dans des conditions optimales.

Spécifications

Model	5X-450	4X-450	Model	5X-450	4X-450
Axis	5 Axis	4 Axis	Drive Mechanism	Ball Screw	Ball Screw
Processing	Wet and Dry	Wet and Dry	Way System	Linear Guide	Linear Guide
Spindle Power	AC 1.28kw	AC 1.8kw	Machine Size (W*D*H)	791*791*790mm	791*791*790mm
Max. RPM	60,000	50,000	Total Size (W*D*H)	791*791*1657mm	791*791*1657mm
A.T.C	15	6	Weight (Machine / Table)	185kg / 65kg	185kg / 65kg
Tool Shank (mm)	Ø6	Ø6	Travel	X,Y,Z axis	245*116*130mm
Motor	Stepping	Stepping		A / B axis	360° / ±35.1°
					241*116*130mm
					360° / -

Liste des outils

Material	Code	Ø	Size	Material	Code	Ø	Size
Zirconia	ZB-05	2.0	D2.0*L20*55	Glass ceramic	DG-21	1.0	D1.0*L10*50
	ZB-06	1.0	D1.0*L14*53		DG-22	0.6	D0.6*L08*50
	ZB-07	0.6	D0.6*L08*50		DG-37	2.5	D2.5*L12*50
	ZB-78	0.3	D0.3*L1.5*50		DG-38	1.5	D1.5*L10*50
Metal (Premilled Blank/Disk)	MB-09	3.0	D3.0*L12*50	PMMA(Long)	PB-88	3.0	D3.0*L20*55
	MB-10	2.0	D2.0*L12*50		PB-89	2.0	D2.0*L20*55
	MB-11	1.5	D1.5*L10*50		PB-90	1.5	D1.5*L18*58
	MB-12	1.0	D1.0*L10*50		PB-91	1.0	D1.0*L13*55
Metal(Disk)	MB-14	0.6	D0.6*L03*50	PB-92	0.6	D0.6*L10*55	
Metal (Reamer)	MR-01	3.5	D3.5*L18*55*180°	PMMA(Denture)	PB-93	4.5	D4.5*L25*60
	MR-02	2.6	D2.6*L18*55*180°	PMMA(Lollipop)	PB-94	3.0	D3.0*L15*60
	MR-05	2.3	D2.3*L18*55*120°	T-cutter	TC-82	2.0	D2.0*L08*50
	MR-06	2.3	D2.3*L18*55*90°		TC-83	1.8	D1.8*L08*50
	MR-07	2.3	D2.3*L18*55*30°		TC-84	1.5	D1.5*L08*50
	MR-09	2.4	D2.4*L18*55*70°		TC-97	2.3	D2.3*L07*50
	MR-10	2.6	D2.6*L18*55*30°	Flat endmill	MF-15	2.0	D2.0*L18*55
	MR-11	2.4	D2.4*L18*55*140°		MF-45	1.5	D1.5*L07*50
	MR-12	2.6	D2.6*L18*55*90°		MF-71	0.6	D0.6*L05*50
	MR-13	2.7	D2.7*L18*55*70°	Bullnose mill	MFR-44	1.5	D1.5*L05*R0.1*50
	MR-14	2.3	D2.3*L18*55*70°		MFR-66	1.5	D1.5*L14*R0.2*50
	MR-15	2.3	D2.3*L18*55*180°		MFR-43	2.0	D2.0*L18*R0.2*55
MR-16	2.4	D2.4*L18*55*90°	Thread	TH-69	M2.0*P0.4	M2.0*P0.4	
MD-18	1.5	D1.5*L14*50		TH-70	M1.4*P0.3	M1.4*P0.3	
MD-19	2.0	D2.0*L18*55		TH-95	M1.8*P0.35	M1.8*P0.35	
MD-73	1.1	D1.1*L05*50		TH-99	M1.6*P0.35	M1.6*P0.35	
Zirconia (Long)	ZB-85	2.0	D2.0*L25*60				
	ZB-86	1.0	D1.0*L20*60				
	ZB-87	0.6	D0.6*L10*60				

NOUS ALLIONS L'EXPÉRIENCE À LA PERFECTION

NOUS CONTACTER

Arum Europe GmbH

Am Kronberger Hang 2
65824 Schwalbach am Taunus
Germany

+49 (0)6196 9695 675(6)
info@arumeurope.com
www.arumdentalshop.com

Arum 3D Solutions Ltd.

26C Lyon Road Walton-on-Thames
KT12 3PU
United Kingdom

+44 (0)207 388 1390
info@arumdental.com
www.arumdental.com



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