



FRESADORA DE CALIDAD PARA PRÓTESIS PRINCIPALES

Fresadora de 5 ejes para fresado en húmedo y en seco.



ARUM serie 450

800+
IMPLANT
CONNECTIONS
TOTAL CAD/CAM
SOLUTIONS

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



Gama d Fresadoras 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	○	◎	◎

* Los productos están sujetos a cambios sin previo aviso para mejorar la calidad, la función, el diseño u otros aspectos.

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

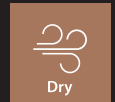
ARUM

5X-450 / 4X-450

5X-450



Wet



Dry

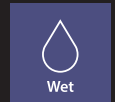


All Disk



CAD Block

4X-450



Wet



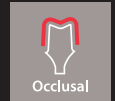
Occlusal



Cuff



Labial



Occlusal



Cuff



5Axis



Connectorless



Pre-milled



4Axis



Configuración de Estrategia Europea de Fresado

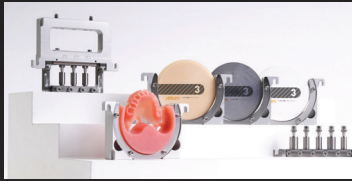
[5X-450]
Para más de 800 conexiones de implantes.

Sólido Bastidor Para una Calidad de Fresado Incomparable



Abrazadera en C

[5X-450]
Abrazadera en C para mayor eficacia y calidad.



5-Ejes

[5X-450]
Mecanizado simultáneo en 5 ejes, incluyendo socavados.



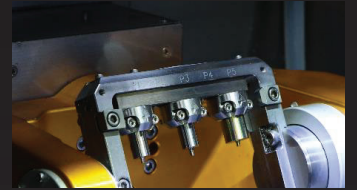
Fresado Previo Sin Conector

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



Fresado previo Straumann Original Disponible

[5X-450] Straumann PMAB poseedor.



Fresa Materiales Duros y Blandos, hasta Titanio

Información de Materiales y Aplicaciones

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] Fresado de Precisión Utilizando Cartuchos AT

Además del mecanizado sencillo del lado superior e inferior, se puede mecanizar el lado del puño (lado gingival), el lado oclusal y la ranura de retención utilizando el cartucho AT.

[4X-450] Fresado Preliminar en Blanco Diferenciado

Se pueden montar 10 piezas en bruto previamente fresadas y mecanizarlas simultáneamente, y mecanizar el lado del puño (lado gingival) y la zona del lado oclusal utilizando la rotación de 90° del eje A en condiciones óptimas.

Especificaciones

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° / -

Lista de Herramientas

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
Metal(Drill)	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				

COMPARTIMOS EXPERIENCIA
con
PERFECCIÓN

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