

FRESADO DE METALES DUROS CON LA MAYOR GAMA DE SISTEMAS DE IMPLANTES



Fresadora estable y duradera para un
fresado de alta calidad.



ARUM serie 5X-500



ARUM



Linea de fresadoras ARUM



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 3.6kw	AC 3.6kw	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
	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	◎	◎	◎	◎

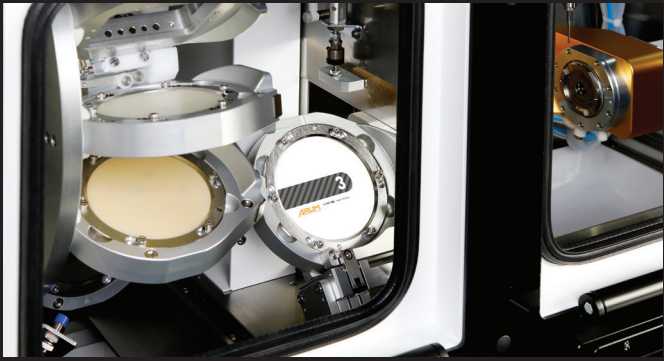
Applications				
Implant Bar	◎	◎	◎	◎
Screw-Retained Bridge	◎	◎	◎	◎
Customized Abutment	◎	◎	◎	◎
Hybrid Abutment	◎	◎	◎	◎
Inlay & Onlay	◎	◎	◎	◎
Crown & Coping	◎	◎	◎	◎
Crown & Coping Bridge	◎	◎	◎	◎
Model	◎	◎	◎	◎
Bite Splint	◎	◎	◎	◎
Denture	◎	◎	◎	◎



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 0.67kw	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



Excelente Rendimiento de Fresado

El 5X-500L es un modelo con cargador de piezas y con él se puede realizar una fabricación inteligente las 24 horas del día con sustitución automática de 12 plantillas. Es posible mecanizar con precisión y estabilidad incluso con la sustitución repetida de plantillas, y gestionar el tiempo de producción con eficacia.

Especificaciones

Axis	5 Axis	Way System	Linear Guide
Processing	Wet and Dry	Machine Size (W*D*H)	1078*921*889mm
Spindle Power	AC 3.6kw	Total Size (W*D*H)	1078*921*1713mm
Max. RPM	60,000	Weight (Machine / Table)	360kg / 110kg
A.T.C	20	Travel	X,Y,Z axis A / B axis
Tool Shank (mm)	Ø6		227.5*125*131mm 360°/ +40° ~ -31.5°
Motor	Servo	Number of Jig	12
Drive Mechanism	Ball Screw	Jig exchange	Auto



Fresado con Eficiencia Máxima

Se pueden mecanizar diversos materiales con un solo ajuste. (un espacio de almacenamiento para 12 plantillas, 12 discos, 72 Cilindros premecanizados, 72 bloques Cad), lo que permite gestionar el tiempo y el coste de mecanizado de forma eficaz.

Lista de Fresas

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°	Bullnosemill	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				

ARUM 5X-500L

12
Magazine



20
Tool



Configuración de Estrategia Europea de Fresado

Para más de 800 conexiones de implantes.

Modificado para Maximizar la Producción

Espacio de almacén para 12 plantillas, 12 discos, 72 piezas pre-fresadas, 72 bloques cad.

Fresado de Pilares sin Conector + Accesorios

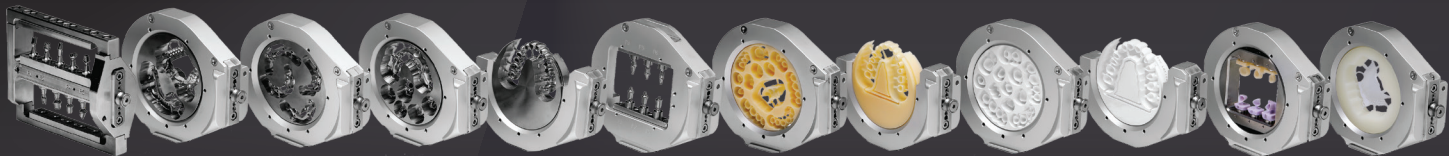


Otros

Proporciona estabilidad, provee alta calidad al producto y reduce vibración durante el proceso de manufactura.

Varios Tipos de Plantillas Disponibles

Producción sin Parar las 24 horas del día



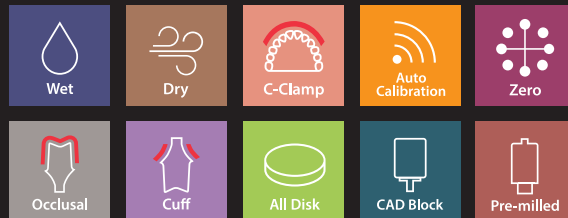
Información de Materiales y Aplicaciones

Materials		Applications	
Pre-milled Blank	◎ (over 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

ARUM 5X-500

20
Tool



Sistema Abierto

PC de Control Incorporada

Accede fácilmente con teamviewer para aumentar la eficacia.

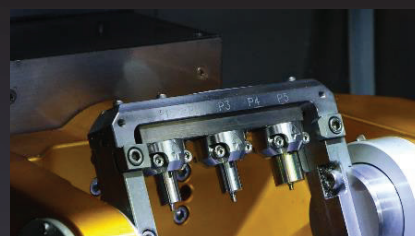
Fresa Materiales Blandos y Duros

Incluidos CoCr, titanio, acero inoxidable, vitrocerámica, Circonio, PMMA y más.



Disponible para cilindros premecanizados originales Straumann

Straumann PMAB poseedor.



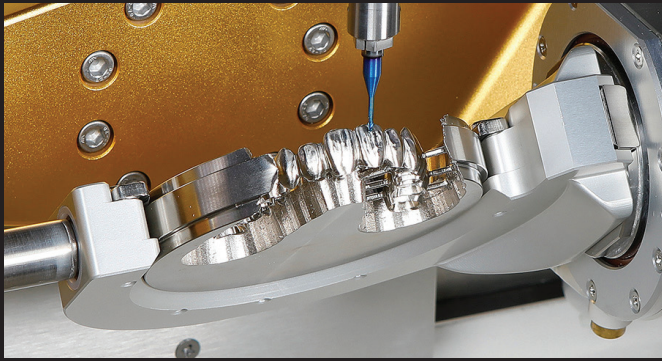
5-Ejes

Mecanizado simultáneo, incluyendo Zonas retentivas.

Información de Materiales y Aplicaciones

Materials		Applications	
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Titanium Disk	◎	Customized Abutment	◎
Lithium Disilicate	○	Hybrid Abutment	◎
Nanocomposite	◎	Inlay & Onlay	◎
Zirconia	◎	Crown & Coping	◎
PMMA	◎	Crown & Coping Bridge	◎
PEEK	◎	Model	◎
Wax	◎	Bite Splint	◎
		Denture	◎

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Excelente Precisión y Durabilidad

Con el sistema de Punto CERO, se puede conseguir una excelente precisión respecto al punto de origen a pesar de la sustitución repetida de la plantilla, lo que permite mecanizar de forma estable incluso formas complejas. El servomotor con codificador absoluto incorporado y soporte auxiliar compensa incluso las vibraciones más finas.



Fresado del Lado Labial

Con la plantilla abierta tipo C, puedes minimizar el tiempo empleado en el mecanizado de precisión y el postmecanizado de la textura labial (o bucal) y la zona retentiva.

Especificaciones

Axis	5 Axis	Drive Mechanism	Ball Screw
Processing	Wet and Dry	Way System	Linear Guide
Spindle Power	AC 3.6kw	Machine Size (W*D*H)	689*918*839mm
Max. RPM	60,000	Total Size (W*D*H)	689*918*1706mm
A.T.C	20	Weight (Machine / Table)	230kg / 65kg
Tool Shank (mm)	Ø6	Travel	X,Y,Z axis
Motor	Servo		A / B axis

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	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
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	ZB-86	1.0	D1.0*L20*60				
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