

SOLIDE FRÄSMASCHINE FÜR PROTHESEN, ZAHNERSATZ UND IMPLANTATVERSORGUNGEN



Die 5-Achs-Fräsmaschine für die Nass-
und Trockenbearbeitung.



ARUM 450 serie

800+

IMPLANT
CONNECTIONS

TOTAL CAD/CAM
SOLUTIONS



ARUM

ARUM Fräsmaschinen Sortiment



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 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 0.5kw	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	○	◎	◎

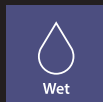
* Die Produkte können ohne Vorankündigung geändert werden, um somit die Qualität, Funktion, Design oder anderes zu verbessern.

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

ARUM

5X-450 / 4X-450

5X-450



Wet



Dry

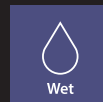


All Disk

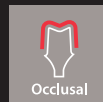


CAD Block

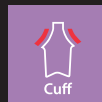
4X-450



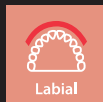
Wet



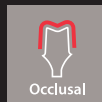
Occlusal



Cuff



Labial



Occlusal



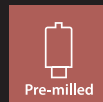
Cuff



5Axis



Connectorless



Pre-milled



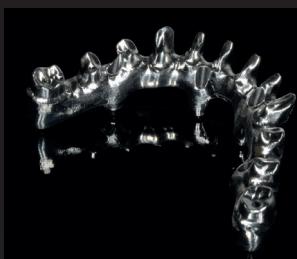
4Axis



Aufbau der europäischen Fässtrategie

[5X-450]
für mehr als 800 Implantat-Verbindungen.

Solider Maschinenrahmen für unvergleichliche Qualität



C-Klemme

[5X-450]
C-Klemme für Effizienz und Qualität.



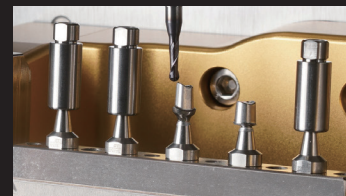
5-Achsen

[5X-450]
Simultanbearbeitung einschließlich Unterschnittsbereiche.



Premill-/ Rohabutmefräsung ohne Konnektorverbindung

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



Verfügbar sind auch original Straumann Premill-/ Rohabutmments

[5X-450] Straumann PMAB Halter.



Harte und weiche Materialien bis hin zu Titan

Informationen zu Materialien und Anwendungen

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] Präzisionsbearbeitung mit der AT Aufnahmehalterung

Neben der einfachen Bearbeitung der Ober- und Unterseite können Sie auch die cervicalen Bereiche der Gingiva (Emergenzbereich), die Okklusion und bei Bedarf auch Retentionsrillen mit der AT Aufnahmehalterung bearbeiten.

[4X-450] Differenzierte Bearbeitung von vorgefrästen Rohlingen

Sie können 10 vorgefräste Rohlinge montieren und gleichzeitig bearbeiten. Außerdem ist es Ihnen möglich die cervicalen Bereiche der Gingiva (Emergenzbereich) und die Okklusion mit Hilfe der A-axis 90°-Rotation in einem zu erfassen.

Technische Daten

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	241*116*130mm
Motor	Stepping	Stepping		A / B axis	360° / ±35.1°	360° / -

Werkzeugliste

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	
	Metal (Drill)	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
Zirconia (Long)	MD-18	1.5	D1.5*L14*50	Thread	TH-69	M2.0*P0.4	M2.0*P0.4	
	MD-19	2.0	D2.0*L18*55		TH-70	M1.4*P0.3	M1.4*P0.3	
	MD-73	1.1	D1.1*L05*50		TH-95	M1.8*P0.35	M1.8*P0.35	
	ZB-85	2.0	D2.0*L25*60		TH-99	M1.6*P0.35	M1.6*P0.35	
ZB-86	1.0	D1.0*L20*60						
ZB-87	0.6	D0.6*L10*60						

WIR TEILEN DIE ERFAHRUNG
mit
PERFEKTION

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