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Overview Renfert extraction units for CAM milling machines

Status: 24.04.2024



Performance Data	SILENT compactCAM	SILENT powerCAM TC	SILENT powerCAM EC
Volume Flow (max.)	2,500 l/min / 1.47 ft ³ /s	3,980 l/min / 2.34 ft ³ /s	3,984 l/min / 2.34 ft ³ /s
Suction Power	27 m/s	36 m/s	28 & 36 m/s
Max. Depression	219 hPa / 3.2 psi	281 hPa / 4.1 psi	257 hPa / 3.73 psi (230 V) 262 hPa / 3.8 psi (120 V) 255 hPa / 3.7 psi (100 V)
Guaranteed motor lifetime	1,000 h	1,000 h	5,000 h



The SILENT compactCAM, powerCAM TC & powerCAM EC are particle and dust extraction units especially designed for CAD/CAM milling machines.

The SILENT compactCAM, powerCAM TC & powerCAM EC are compatible with CAD/CAM milling machines where:

1. The CAM manufacturer's technical requirements for extraction units are fulfilled.
2. The SILENT compactCAM / powerCAM TC / powerCAM EC can be switched on/off either manually or over the Renfert interface cable. Never switch the extraction units on/off when they are connected to the electrical relay control of the CAM machine. Doing so can lead to serious damage of the extraction units.
3. The list of extraction unit models is for orientation purposes only. As the requirements of the particular milling machine are important in selecting the correct extraction unit, please consult the CAM manufacturer.

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Amann-Girrbach > ARUM > cadblu > Canon > DEGOS Dental > Dentsply Sirona >	Ernst Hinrich GmbH > FINO > Goldquadrat >	imes-icore > ivoclar Vivadent > ORIGIN > Planmeca > Preciso Dental (Jensen) >	ProTechno (Ceratomic) > R & K > Redon > Roland DG/DGShape > Schütz Dental > Shera >	Siladent > Tissi Dental > Up3D > vhf >	Wieland > Yenadent > YETI Dental > XTCERA >	88Dent > ZIRKONZAHN >



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Low
workload



Medium
workload



Strong
workload

CAM Manufacturer	CAM System	SILENT compact CAM	SILENT powerCAM TC	SILENT powerCAM EC	Renfert Interface Cable Type		Art. No.	Comments
Amann-Girrbach	ceramill motion matik	●	●	●		D	29340009	
	ceramill motion mikro 4X/5X	●	●	●				
	ceramill motion 2 4X/5X	●	●	●				
	ceramill motion mikro ic							wet processing – no ex- traction unit necessary
ARUM	5X-200	●	●	●		F	29340011	For mills with Schuko socket to connect with the extraction unit.
	5X-300 Pro	●	●	●				
	4X-300 / 4X-300D	●	●	●		F + C14	29340012	For mills with C14 socket to connect with the extraction unit
	4X-100	●	●					
cadblu	ezMILL 4.0	●	●	●		A	29340005	
	ezMILL 5.0		●	●				
	ezMILL 5.DC		●	●				
Canon	MD-500	●	●	●		J	29340018	
DEGOS Dental	DEGOS STAR Z-MILL 255 N5	●	●	●		E	29340010	incl. NEMA adapter
	DEGOS STAR Z-MILL 355 N5	●	●	●				
	DEGOS STAR Z-MILL 355 X6		●	●				
Dentsply Sirona	MC X5		●	●		H	29340016	
	MC XL	●						



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CAM Manufacturer	CAM System	SILENT compact CAM	SILENT powerCAM TC	SILENT powerCAM EC	Renfert Interface Cable Type		Art. No.	Comments
Ernst Hinrichs GmbH	HinriMill 4 / 4 Edition	●	●	●		A	29340005	
	HlinriMill 5		●	●				
	HlinriMill 5.8 / 5.8 Edition		●	●				
	HinriMill T5 / T5 Edition		●	●		G	29340013	
	HinriMill R5		●	●				
	HinriMill Z4		●	●				
	HinriMill N4							wet processing – no ex- traction unit necessary
FINO	FINOCAM Kompakt A	●	●	●		A	29340005	
	FINOCAM Kompakt M	●	●	●				
	FINOCAM Edition	●	●	●				
	FINOCAM CA		●	●				
	FINOCAM CA+		●	●		G	29340013	
	FINOCAM PREMIUM		●	●				
	FINOCAM A5 / A5+		●	●				
	FINOCAM W							wet processing – no ex- traction unit necessary
Goldquadrat	Quattro Mill easy	●	●	●		A	29340005	
	Quattro Mill Comfort	●	●	●				
	Quattro Mill PreFour	●	●	●				
	Quattro Mill Maxi		●	●		G	29340013	
	GQ Quattro Mill R5		●	●				
	GQ Quattro Mill Comfort 5x Plus		●	●				
	VHF Z4							wet processing – no ex- traction unit necessary



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CAM Manufacturer	CAM System	SILENT compact CAM	SILENT powerCAM TC	SILENT powerCAM EC	Renfert Interface Cable Type		Art. No.	Comments	
imes-icore	CORiTec one					C	29340008		
	CORiTec 140i								
	CORiTec 150i								
	CORiTec 245i								
	CORiTec 250i								
	CORiTec 350i								
	CORiTec 350i Loader								
	CORiTec 650i								
	CORiTec 650i Loader								
Ivoclar Vivadent	Programill DRY					G	29340013		
	PM7					A	29340005		
	PM5								
	PM3								
ORIGIN	ORIGIN 40					E	29340010		
Planmeca	PlanMill 50					C	29340008		
	PlanMill 40							wet processing – no ex- traction unit necessary	
Preciso Dental (Jensen)	Preciso M200 Mill					A	29340005		
	Roland DWX-50						B	29340006	



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CAM Manufacturer	CAM System	SILENT compact CAM	SILENT powerCAM TC	SILENT powerCAM EC	Renfert Interface Cable		Art. No.	Comments
					Type			
ProTechno (Ceratomic)	Ceratomic MAG 4	●	●	●		C	29340008	
	Ceratomic MAG 5	●	●	●				
R & K	Organical Desktop 1	●	●	●		A	29340005	
	Organical Desktop 3	●	●	●				
	Organical Desktop 7c	●	●	●				
Redon	GTR		●	●		F	29340011	
RolandDG / DGShape	DWX-50	●	●	●		B	29340006	
	DWX-4	●	●	●				
	DWX-51D	●	●	●				
	DWX-52D	●	●	●				
	DWX-52DCi		●	●				
	DWX-53DC		●	●		K	29340019	
	DWX-4W							wet processing – no extraction unit necessary
	DWX-42W							
Schütz Dental	Tizian Cut compact	●	●	●		A	29340005	
	Tizian Cut 5 dry		●	●		G	29340013	
	Tizian Cut 5.2/5.2 Pro		●	●		C	29340008	
	CORiTEC 650i Loader		●	●				
Shera	SHERAeco-mill 40/50	●	●	●		A	29340005	
	SHERAeco-mill 5x	●	●	●				



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CAM Manufacturer	CAM System	SILENT compact CAM	SILENT powerCAM TC	SILENT powerCAM EC	Renfert Interface Cable Type		Art. No.	Comments
Siladent	SilaMill 4 / 4 Edition	●	●	●		A	29340005	
	SilaMill 5		●	●				
	SilaMill 5.8		●	●				
	Silamill E5	●	●	●		G	29340013	
	SilaMill R5		●	●				
	SilaMill T5/ST5	●	●	●				
	SilaMill N4 / Z4							wet processing – no ex- traction unit necessary
Tissi Dental	Mini Mill 4 / plus 4	●	●	●		A	29340005	
	Mini Mill plus 5	●	●	●				
	Mini Mill plus 5A	●	●	●				
Up3D	P53		●	●		I	29340017	
vhf	K4 Impression	●	●	●		A	29340005	
	K4 edition	●	●	●				
	S1 Impression		●	●				
	S2 Impression		●	●				
	E4	●	●	●		G	29340013	
	E5	●	●	●				
	K5/K5+	●	●	●				
	S5		●	●				
	R5		●	●				
	Z4							
	N4 Impression							wet processing – no ex- traction unit necessary



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CAM Manufacturer	CAM System	SILENT compact CAM	SILENT powerCAM TC	SILENT powerCAM EC	Renfert Interface Cable		Art. No.	Comments
					Type			
Wieland	Zenotec mini	●	●	●		A	29340005	
	Zenotec select ion		●	●				
	Zenotec select hybrid		●	●				
XTCERA	500SE	●	●	●		M	29340021	
	500plus	●	●	●				
	520DC		●	●				
	580DC		●	●				
YenaDent	D10	●	●	●		E	29340010	
	D14	●	●	●				
	D15	●	●	●				
	D16		●	●				
	D6		●	●				
	DC40		●	●				
	D43		●	●				
Yeti	digi MILL 4 dry	●	●	●		A	29340005	
	digi MILL 5 dry		●	●		G	29340013	
	digi MILL 4 wet							wet processing – no ex- traction unit necessary



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CAM Manufacturer	CAM System	SILENT compact CAM	SILENT powerCAM TC	SILENT powerCAM EC	Renfert Interface Cable		Comments	
					Type	Art. No.		
Zirkonzahn	M1 Soft					F	29340011	29340011 Interface cable Type F for Zirkonzahn. For all Zirkonzahn models equipped with a Schuko socket to connect with the extraction unit.
	M1 Wet Heavy Metal							
	M2 Wet Heavy Metal							
	M2 Teleskoper							
	M2 Dual Wet Heavy Metal							
	M2 Dual Teleskoper							
	M2 Dual Double Teleskoper					F + C14	29340012	29340012 Interface cable Type F for Zirkonzahn incl. C14-Adapter. For all Zirkonzahn models equipped with a Plug C14 according to IEC-6320 to connect with the extraction unit (e.g. USA) 
	M3							
	M4 Wet Heavy Metal							
	M5 Heavy Metal							
	M6 Wet Heavy Metal							
	M1 Abutment							
	M1 Wet							
88Dent	88Mill 4					A	29340005	
	88MILL 5							
	Esse 5							
	Erre 5					G	29340013	
	Mill Five S							
	Zeta 4							
	Kappa 5+							
	Enne 4+							wet processing – no extraction unit necessary



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Selection of the appropriate CAM extraction SILENT powerCAM EC or TC?

> 11 h/day	8 h/day	5 h/day	2.5 h/day	1 h/day	years
 SILENT powerCAM EC					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
				 SILENT powerCAM TC	



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