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Overview Renfert extraction units for CAM milling machines

Status: 07.03.2023



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	37 & 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 >	88Dent > ZIRKONZAHN >



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Low workload:
1-6 hrs/day



Strong workload:
1-6 hrs/day



Strong workload:
6+ hrs/day

CAM Manufacturer	CAM System	SILENT compact CAM	SILENT powerCAM TC	SILENT powerCAM EC	Renfert Interface Cable		Comments
					Type	Art. No.	
Amann-Girrbach	ceramill motion matik	●	●	●		D	29340009
	ceramill motion mikro 4X/5X	●	●	●			
	ceramill motion 2 4X/5X	●	●	●			
	ceramill motion mikro ic						
							wet processing – no extraction unit necessary
ARUM	5X-200	●	●	●		F	29340011
	5X-300 Pro	●	●	●			
	4X-300 / 4X-300D	●	●	●			
	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
	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		Comments
					Type	Art. No.	
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						
FINO	FINOCAM Kompakt A	●	●	●		A	29340005
	FINOCAM Kompakt M	●	●	●			
	FINOCAM Edition	●	●	●			
	FINOCAM CA		●	●			
	FINOCAM CA+		●	●		G	29340013
	FINOCAM PREMIUM		●	●			
	FINOCAM A5 / A5+		●	●			
	FINOCAM W						
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						

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CAM Manufacturer	CAM System	SILENT compact CAM	SILENT powerCAM TC	SILENT powerCAM EC	Renfert Interface Cable		Comments	
					Type	Art. No.		
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	
ORIGIN	ORIGIN 40	●	●	●		E	29340010	
Planmeca	PlanMill 50	●	●	●		C	29340008	
	PlanMill 40							
Preciso Dental (Jensen)	Preciso M200 Mill	●	●	●		A	29340005	
	Roland DWX-50	●	●	●		B	29340006	
ProTechno (Ceratomic)	Ceratomic MAG 4	●	●	●		C	29340008	
	Ceratomic MAG 5	●	●	●				

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CAM Manufacturer	CAM System	SILENT compact CAM	SILENT powerCAM TC	SILENT powerCAM EC	Renfert Interface Cable		Comments			
					Type	Art. No.				
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-4W									
	DWX-42W									wet processing – no extraction unit necessary
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		Comments
					Type	Art. No.	
Siladent	SilaMill 4 / 4 Edition	●	●	●		A	29340005
	SilaMill 5		●	●			
	SilaMill 5.8		●	●			
	SilaMill R5		●	●		G	29340013
	SilaMill T5/ST5		●	●			
	SilaMill N4 / Z4						
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 extraction unit necessary

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					Type	Art. No.	
Wieland	Zenotec mini	●	●	●		A	29340005
	Zenotec select ion		●	●			
	Zenotec select hybrid		●	●			
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						

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					Type	Art. No.						
Zirkonzahn	M1 Soft	●	●	●		F + C14	29340011 29340012	29340011 Interface cable Type F for Zirkonzahn. For all Zirkonzahn models equipped with a Schuko socket to connect with the extraction unit. 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).				
	M1 Wet Heavy Metal	●	●	●								
	M2 Wet Heavy Metal	●	●	●								
	M2 Teleskoper	●	●	●								
	M2 Dual Wet Heavy Metal	●	●	●								
	M2 Dual Teleskoper	●	●	●								
	M2 Dual Double Teleskoper	●	●	●								
	M3	●	●	●								
	M4 Wet Heavy Metal		●	●								
	M5 Heavy Metal		●	●								
	M6 Wet Heavy Metal		●	●								
	M1 Abutment											wet processing – no extraction unit necessary
	M1 Wet											
88Dent	88Mill 4	●	●	●		A	29340005					
	88MILL 5		●	●								
	Esse 5		●	●								
	Erre 5		●	●								
	Mill Five S		●	●		G	29340013					
	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
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10



SILENT powerCAM EC

SILENT powerCAM TC