



# Everything about postprocessing.

Dear Ladies and Gentlemen,

"Additive manufacturing" processes have become indispensable in today's world, and are gaining ever more importance.

For many people, the difficulties do really start after the 3D printing, and certainly when it comes to the postprocessing. At this stage, the user faces a large number of tasks, for which he usually requires a wide range of tools or systems. Typical of the work involved are removing powder, separating the substrate plate, removing supports, deburring, surface finishing and cleaning.

One particularly crucial challenge throughout the entire postprocessing is protecting the user, as residual powder is set free during the postprocessing, and dusts, chips and/or sparks may also be created. With some materials, the risks are enormous, as they are not only harmful to health but may also be explosive. With the ENESKApostprocess, joke set itself the task of developing a single workstation, with which the user can perform all the manual postprocessing stages with full protection against risks.

The workstation can be complemented by a large number of tools and accessories, so that the right tool is always available, and the station can be fully adapted to individual needs and wants.

We would be glad to demonstrate the system on your premises, so that you have the time to convince yourself of the advantages of ENESKApostprocess. Please contact us.



Udo Fielenbach Managing director, joke Technology GmbH

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### **ENESKA**postprocess

#### mproved safety standard for postprocessing

Powder removal, support removal and surface finishing, release of residual powders and dusts that may be respirable, carcinogenic, skin-irritant, and in some cases even explosive.

The standard of safety during manual postprocessing is inadequate in many companies. Protective suits are often only worn during individual work stages, and are of no help against the risk of deflagration.

Some deburring boxes are only slightly better than protective goggles, which do not retain the dust. The ENESKApostprocess makes it possible to carry out all work stages without any contact with the materials or fine dusts – which means greater safety for both user and company.



#### Safe working instead of silicosis

Powder removal, support removal and surface finishing, release of residual powders and dusts that may be respirable, carcinogenic, skin-irritant, and in some cases even explosive.

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#### No more risks of explosion

Particularly with reactive substances, such as titanium and aluminium, explosions and fires may occur simply through friction of individual particles. Therefore, all components of the ENESKApostprocess are completely earthed to prevent spark discharge. An integrated moisture separator is optionally available for highly reactive substances.

In addition, a compressed-air gun and special air showers enhance cleaning in more concealed corners. These enable fine dusts to be removed from crevices in a workpiece without any risk of explosion.



#### Convincing versatility

Integrated control units drive a range of electric and pneumatic tools for deburring, milling, grinding or polishing. Up to three different micromotors and two pneumatic devices can be connected simultaneously - which reduces setup times, and allows rapid, versatile work.

A range of accessories may be used, such as magnifying glasses, turntables and magnetic clamping balls.



#### Ergonomics, user friendliness - and thinking of the user!

Concentration and relaxation during work is a prerequisite for optimum postprocessing results. The joke development team has achieved this goal by means of many details of the equipment. Coloured instructions on the touch display indicate the current status of the ENESKApostprocess. The lighting intensity can be dimmed, and the hand apertures, with a diameter of 240 mm, give the user great freedom of movement. The display also shows information about upcoming maintenance, filter cleaning and similar items. Both the lower limit of the particle count and the cleaning cycle can be

An optimal working height is perfect for the back. The ENESKApostprocess can be optionally equipped with height adjustment. The large glass dome gives a very good view of the components to be processed.

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### **ENESKApostprocess**

### Advantages at a glance

- High standard of safety
- No risk of explosion or deflagration
- No permanent damage due to respirable dust
- No need for additional protective clothing
- Ergonomic working and simple operation
- Many options for connecting various tools either pneumatic or electric.

### Work steps that you can perform

- Removal of residual powder
- Separation from the substrate material
- Removal of support structures
- Coarse surface finishing
- Fine surface finishing

### Materials that you can process

- Stainless steel

**Plastics** 

Rubber-like materials

and many more

Gypsum

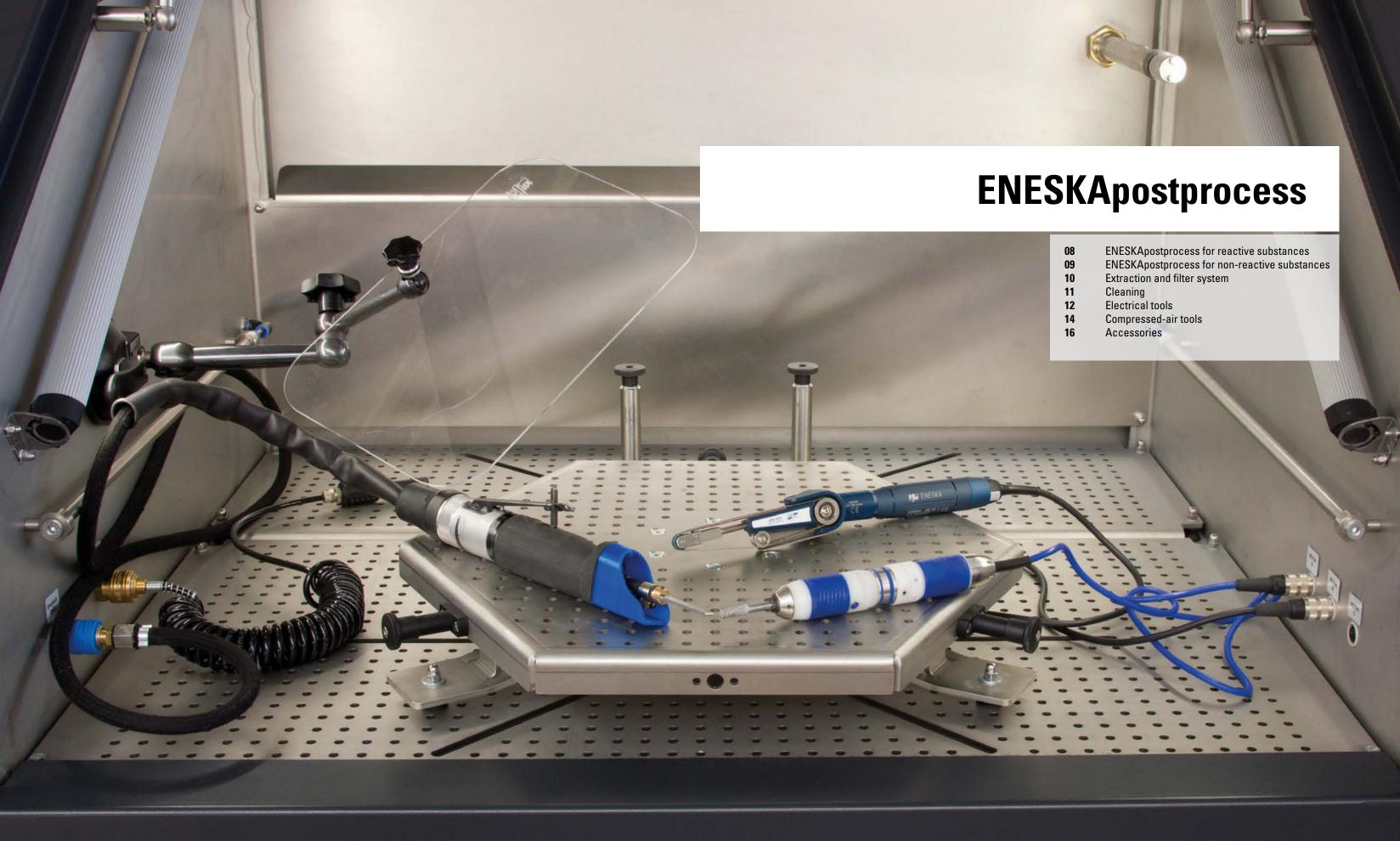




Hand-filing machine



Compressed-air filing machine



# ENESKApostprocess



### **ENESKA**postprocess Perfect solution for finishing in 3D printing

The standard of safety during manual postprocessing is inadequate in many companies. Protective suits are often only worn during individual working stages and are of no help against the risk of deflagration. Moreover, the working areas are not protected from invisible airborne dusts, which are usually underestimated. This is precisely where ENESKApostprocess from joke can help you.

Particular caution is required when processing reactive materials. In this case, it is not only the dusts that can ignite through friction; the material is also highly flammable and therefore carries higher risks of explosion and deflagration. A special moisture extractor with 5-fold filtration and explosion protection according to ATEX standard guarantees safe work. An integrated liquid bath binds the reactive particles which are thus unable to develop their explosive effect.

Titanium or aluminium are the common materials that most users recognised as reactive, but many alloys also have references to minimum ignition energy of less than one mJ in their data sheets.

Are you not sure? We will be pleased to advise you.

				Price from
		Design	Order No.	1 piece
ENESKApostprocess incl. extraction with	wet separator for reactive materials			
	• suitable for materials with a minimum	-	0 210 010	59800.00€
ENESKApostprocess	ignition energy above one mJ  with explosion protection according to ATEX standard  moisture separator suitable for zone 22  5-fold filtration  extraction capacity / volumetric flow: max. 350 m³/h  incl. FSX automatic fine dust measuring system (for further information, see Order no. 0 210 306)  optionally with height adjustment  materials to be processed: incl. among others aluminium and titanium	with height adjustment	0 210 012	62300.00€

### **Technical data**

	ENESKApostprocess
Weight:	580 kg (Order No. 0 210 000) 600 kg (Order No. 0 210 010)
Dimensions of the working chamber (W $\times$ D $\times$ H):	930 x 790 x 250-600 mm
Device dimensions (W x D x H)	1,300 x 1,500 x 1,790 mm
Lighting:	approx. 5,000 K / approx. 3,300 lm, dimmable
Supply voltage:	400 V / 16 A, 7 kW

Further voltage variants on request.



**ENESKApostprocess | Devices and Accessories** 

# **ENESKApostprocess**Perfect solution for finishing in 3D printing

This variant of ENESKApostprocess was developed for the processing of non-reactive materials. However, respirable dusts are also an issue with steel, stainless steel and Inconel. The ENESKApostprocess helps enormously in this case and protects you and your colleagues from hazardous particles. Wearing cumbersome protective suits is also no longer required.

 $A large \ working \ chamber \ of \ approx. \ 0.75 \ m^2 \ offers \ sufficient \ space \ even \ for \ the \ largest \ 3D-produced \ workpieces. \ There \ are \ numerous \ possibilities \ for \ possibilities \ for \ possibilities \ for \ possibilities \ for \ possibilities \ possibilities \ for \ possibilities \ poss$ connecting various tools simultaneously at the same workplace – whether pneumatic or electric.

Dimmable light, a large glass front and ergonomically shaped hand apertures make everyday work very pleasant.

				Price from
		Design	Order No.	1 piece
ENESKApostprocess incl. extraction	for non-reactive materials			
	Special features of the ENESKApostprocess incl. extraction for non-reactive materials:  • dry extractor with explosion protection according to ATEX standard  • triple filtration  • extraction capacity / volumetric flow: max. 350 m³/h  • optionally with FSX automatic fine dust measuring system (more Information see Order No. 0 210 306)  • optionally with height adjustment  • materials to be processed: incl. among others, steel, stainless steel, Inconel and various plastics	-	0 210 000	47800.00€
ENESKA postgrocess	<ul> <li>dry extractor with explosion protection according to ATEX standard</li> <li>triple filtration</li> <li>extraction capacity / volumetric flow: max. 350 m³/h</li> <li>optionally with FSX automatic fine dust measuring system (more Information see Order No. 0 210 306)</li> <li>optionally with height adjustment</li> <li>materials to be processed: incl. among others, steel, stainless steel, Inconel</li> </ul>	with height adjustment	0 210 003	50300.00 €



			Price from
		Order No.	1 piece
ENESKApostprocess aut	omatic fine dust measurement FSX		
	The FSX automatic fine dust measuring system from joke is to be included in the order for your ENESKApostprocess! The FSX cannot be retrofitted!	0 210 306	7900.00€



precise dust measurement – independent

of gas velocity or particle charge • no external purge air unit required as it is integrated in the unit (option)

• low cost and maintenance due to self-monitoring

• independent measuring device

• automatic monitoring of zero and reference point

• robust and compact design

• no moving parts in the duct

### **Variants**

ENESKApostprocess	ENESKApostprocess
for <b>reactive</b> substances (Order No. <b>0 210 010</b> )	for non-reactive substances (Order No. 0 210 000)
Extraction system suitable for continuous operation, for extracting <b>flammable dusts</b> $-$ MIE $\ge$ 1 mJ	Extraction system suitable for continuous operation, for extracting $\textbf{dusts}-\textbf{MIE} \geq 1~\text{mJ}$
5-fold filtration, including moisture separator, suitable for zone 22 ATEX II 3D c T 125 °C, 5-fold filtration, removal efficiency: 99.995%	3-fold filtration, removal efficiency: 99.95%
Exchangeable, stainless steel collection tank with drain cock, inert oil (approx. 30 L), tank capacity 100 litres	Exchangeable, stainless steel collection tank, tank capacity 100 litres
M star-shaped filter, antistatic with manual cleaning	M star-shaped filter, antistatic with manual cleaning
H14 filter cassette, antistatic	H14 filter cassette, antistatic
Wet filter cassette, earthed	-
Filter bag MC K4 microfibre, antistatic	_



## **Extraction and cleaning process function**



Extraction is through the floor of the working chamber.



It is only possible to work in the ENESKApostprocess with the extraction system running.
The system is locked during processing.



With flow-optimised air guidance, hazardous dusts are directed towards the extractor.



After the processing, the system cannot be opened until a special automatic cleaning process has finished. This stirs up and extracts the residual dust from the corners of the chamber.



The system can be equipped with the special FSX automatic fine dust measurement. The dust load in the working chamber is continuously measured and shown on the display.

In combination with this FSX, the previously described cleaning process can be adjusted so that the system does not unlock before a defined value is reached.

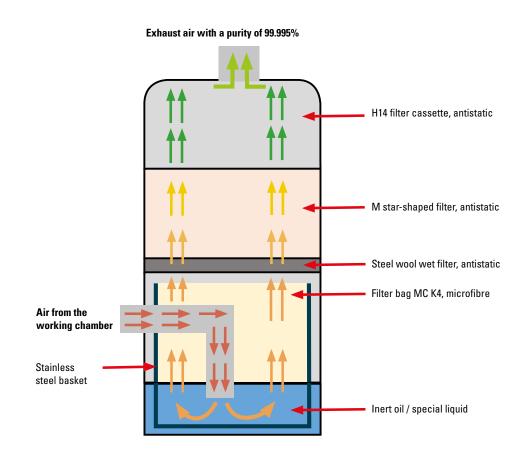


The system is not unlocked and the working chamber is not released until the cleaning process has finished.



### Filter system

### Diagram of the system for reactive substances



### View of extraction system



Extraction system is easily accessible from the rear

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the complete extractor can be removed



# **ENESKAmicro COMPACT series** COMPACT HT60

					Price from
			Design	Order No.	1 piece
ENESKAmicro COMPACT HT60					
	• with collet Ø 3 mm • Brushless DC motor I • On-off switch located		incl. motor cable 1.8 m and fan	0 011 409	875.00€
	Motor speed: Output: Weight: Dimensions (D x L): Concentricity: Collet type:	max. 60,000 rpm 8.9 N cm at 280 W 0.4 kg Ø 30 x 170 mm < +/- 0.01 mm EMA			

### **COMPACT HT60 SMALL**

					Price from
			Design	Order No.	1 piece
ENESKAmicro COMPACT HT60 SMAL	L				
and the same of	<ul> <li>with collet Ø 3 mm</li> <li>Brushless DC motor I</li> <li>On-off switch located</li> </ul>	<del>-</del>	incl. motor cable 1.8 m and fan	0 011 469	778.00€
	Motor speed: Output: Weight: Dimensions (D x L): Concentricity: Collet type:	max. 60,000 rpm 7.8 N cm at 260 W 0.22 kg Ø 28 x 156 mm < +/- 0.01 mm EMA			

### **COMPACT HT60-D6**

					Price from
			Design	Order No.	1 piece
ENESKAmicro COMPACT HT60-D6					
	<ul> <li>with collet Ø 6 mm</li> <li>Brushless DC motor B</li> <li>On-off switch located</li> </ul>		incl. motor cable 1.8 m and fan	0 011 429	797.00 €
	Motor speed: Output: Weight: Dimensions (D x L): Concentricity: Collet type:	up to max. 50,000 rpm 8.9 N cm at 280 W 0.475 kg Ø 30 x 180 mm < +/- 0.01 mm EMB			



# **ENESKAmicro micromotors with (+) connection**Micromotor JBM 50 HT

						Price from
				Design	Order No.	1 piece
Micromotor JBM 50 HT						
Pla ENESKA		Brushless direct cu of handpieces with	rrent motor BLDC for operation (+) connection	without motor cable	0 008 806	788.00 €
0008806 JBM 50 T CE S/N 080X3121	(+)	Output:	200 W			
		Torque: Speed range:	8.4 N cm 1,000 – 50,000 1/min			
		Sound level:	< 62 dB(A) at 30,000 rpm			
		Dimensions:	Ø 28.3 x 87.7 mm (without cable)			
		Weight:	160 g			

### \* Accessories / spare parts

			Price from
		Order No.	1 piece
Motor cable JBM 50 H	IT/EM, 1.5 m		
	for connecting the micromotors JBM 50 HT to the ENESKAmicro control units	0 011 504	146.85€

### **ENESKAmicro Belt grinder** J-BS 400

#### Belt arinder J-BS

Compliments the ENESKAmicro system. This belt grinder is screwed onto the micromotors, just like a handpiece. It is small and easy to handle, fits nicely in your hand and can be used for delicate work. The head can be swivelled on its axis by approximately 90°. A hand rest is located above the grinding belts to enable the device to be used safely with both hands.

					Price from
				Order No.	1 piece
Belt grinder JBS 400 with (+)-connectio	n				
	$\bigoplus$	For connection to r	nicromotors with (+)-connection, , 6 and 8 mm wide	0 008 850	700.00€
	$\mathbf{O}$	Gearing:	8:3		
		Input speed: Speed:	max. 40,000 rpm max. 15,000 rpm		
		Weight:	355 g		
		Delivered with two 240 and 400.	grinding belts 6 x 300 mm respectively in grain sizes 120, $$		
		240 and 400.			

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## **Electrical tools**

# **ENESKAmicro handpieces with (+) connection** Angle handpiece JERA 270

					Price from
				Order No.	1 piece
Angle handpiece JERA 270					
A Partie of the Control of the Contr	+	Collet: Speed: Head gearing: Concentricity: Dimensions: Weight:	CHS (Ø 3 mm included) max. 20,000 1/min, reverse initial rotation 1:1,5 ± 0.01 mm Ø 22.4 x 71 mm (without thread) 100 g	0 009 812	536.00€

### Angle handpiece JEKC 300

					Price from
				Order No.	1 piece
Angle handpiece JEKC 300					
# Note !	+	Collet: Speed: Head gearing: Concentricity: Dimensions: Weight:	CHC (Ø 3 mm included) max. 20,000 1/min, same rotation direction 3:4 ± 0.01 mm Ø 22.5 x 69.5 mm (without thread) 60 g	0 009 813	447.00€





# **Compressed-air tools**

# **Compressed-air grinder** joke AirMAX

#### Compressed-air grinder joke AirMAX

The family of compressed-air grinders from joke. The name says it all, for these power tools make full use of air. Regardless of whether you need high speed or just solid performance – the joke AirMAX series has the right device for you. All these grinders are lubricated with oil in conjunction with the joke Oiljet.

	Compressed-air grinder joke AirMAX 35
Rotation speed	35,000 1/min
Power	220 W
Air pressure	6 bars
Air consumption	520 l/min
Exhaust air	to the front
Noise level	78 dB(A)
Vibration	< 6 m/s²
Dimensions	Ø 31 x 143 mm
Weight	290 g
Lubrication	continuously by oil mist
Scope of delivery	collet Ø 6 mm, clamping wrench, rotary and lever valve
Order No.	0 750 840
Price	450.00 €



# Compressed-air tools

# Compressed-air filing machine

#### Compressed-air filing machine LFC 11

The high-speed allrounder (12,000 strokes/min). Ideal for grinding, filing, polishing, cutting, sawing and also deburring larger areas as well as for support removal in the additive area. A continuously adjustable stroke length (between 2 and 11 mm) enables this device to be used for both coarse and fine working. The bare machine is available, but also a case, complete with tools and accessories.

				Price from
			Order No.	1 piece
Compressed-air filing machine LFC 11				
	No. of strokes:	6,000 – 12,000 strokes/min	0 750 980	1421.00€
	Stroke length:	2 – 11 mm, continuously adjustable		
	Output:	300 W		
1	Air pressure:	6.3 bars		
•	Air consumption:	230 l/min		
	Noise level:	74 dB(A), ISO 15744		
	Vibration:	2.2 m/s <sup>2</sup> , K = 0.8 m/s <sup>2</sup> according to EN ISO 28927-8		
	Dimensions:	280 x 60 mm		
	Weight:	830 g		
	Lubrication:	continuously by oil mist		
	Scope of supply:	1 x tool holder Ø 4 mm, 1 x counter-holder, 1 x hose unit		
		(supply and exhaust air, silencer)		





### Compressed air belt MBS 20 DH

Small, handy and powerful – that best describes the new compressed-air minibelt grinder from joke. With a weight of just 570 g, it lies comfortably in the hand. So the second hand is free to move the workpiece into the ideal position.

The grinding belt is ideally suitable for deburring, grinding and finishing work. The workpieces can be optimally freed from burrs and cleaned. No matter what the radius, the joke grinding belt contacts the workpiece perfectly, and with a little sensitivity of touch achieves a fine, satin-textured surface.

The width of the belt can be selected between 6 mm and 12 mm. A wide range of belts is available, from a coarse grinding belt to a fleece belt for finishing work. Belts are easily replaced with just one action.

				Price from
			Order No.	1 piece
Compressed air belt joke MBS 20 DH				
	Tapes: Belt speed: Max. air pressure: Air consumption: Exhaust air: Operation: Weight: Connection: Required lubrication:	6 – 12 x 305 mm (depending on the belt grinder attachment) 21 m/s 6 bars 590 l/min to the front rotary, lever valve 570 g 8 mm hose nozzle continuously 1–2 drops / min oil mist	0 750 871	906.00 €

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# Magnetic clamping balls joke Magic-Ball

#### Magnetic clamping balls joke Magic-Ball

Comfortable and ergonomic 3-dimensional work. The Magic-Ball magnetic clamping balls bring your workpiece into almost any desired position. Depending on the workpiece geometry and weight, pivoting angles of up to 90° can be set. The balls are enclosed in leather-lined, chemically nickel-plated steel rings that hold them absolutely securely in any position — the sliding adhesion effect makes it possible! The powerful magnetic chuck of the Magic-Ball is activated using the key supplied (partial activation is also possible for optimum positioning of the workpiece). The balls available in four sizes are all of "Made in Germany" quality.

							Price from
	Weight	Size	Dimensions	Clamping force	Pole pitch	Order No.	1 piece
Magnetic clamping balls joke Mag	ic-Ball						
	ball: 17 kg ring: 5 kg	Ø 160 mm	magnet (Ø): 160 mm ball (Ø x H): 218 x 164 mm	100 N/cm <sup>2</sup>	1.5 + 0.5 mm	0 200 326	1409.00 €



# Positioner joke easy-Work for attachment to table

#### Positioner joke easy-Work

Compact and very flexible to use: the small rotating and pivoting unit unit joke easy-Work can be attached quickly and securely to almost any table by means of the drillings.

The optionally available T-slot clamping plates ensure make fixing the workpieces child's play. These plates are made from aluminium and are optionally available in square or round shape.

				Price from
			Order No.	1 piece
joke easy-Work positioner with T-slot clamping pl	ate, round			
	Rotation range: Pivoting range: Dimensions (W x H x D): Weight: Clamping system:	360° manual 0 – 90° manual 250 x 130 x 250 mm approx. 8 kg T-slot clamping plate, Ø 248 mm	0 200 873	954.00 €





### **Precision grinding and control vices**

Ground on all sides for 4-side processing, hardened steel, with prism jaws, draw-down clamping system, accuracy 0.005 mm.

						Price from
Ja	w widths	Clamping length	Jaw height	Dimensions	Order No.	1 piece
Precision grinding and control v	ice					
63	mm	87 mm	32 mm	63 x 175 mm	0 200 343	100.78 €



					Price from
	Jaw widths	Clamping length	Dimensions	Order No.	1 piece
Vice JK 101					
	100 mm	90 mm	152 x 272 x 63.5 mm	0 200 327	146.50 €

- solid and handy design
- basic body made of grey cast iron
- movable jaw, laterally guided
- fixed jaw with three vertical prisms and one horizontal prism
- both jaws with support surface for clamping flat workpieces
- jaws and spindle burnished
- lateral oblong hole clamping slots



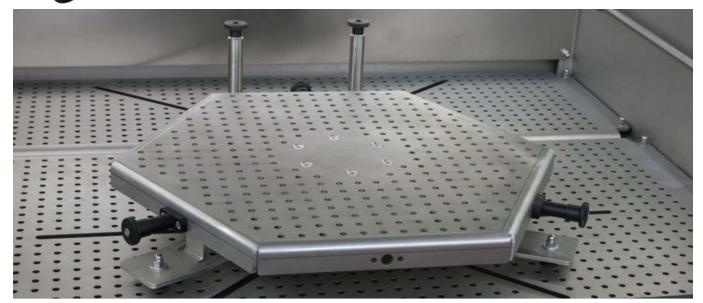
### Clamping options Accessories

				Price from
		Dimensions	Order No.	1 piece
Turntable, hexagonal				
	Tripod support freely positionable, rotatable and lockable Clamping width 440 mm Material 1.4301	500 mm	0 210 209	990.00€

			I HUG HUH
		Order No.	1 set
10-piece clamping device set			
III II	consisting of:  • M8 x 100 mm threaded bolts, 2 pieces  • Hexagon nut with flange M8, 2 pieces  • T-nut with thread M8, 2 pieces  • Clamping claws for 10 mm T-slot width and  M8 thread 2 pieces with counter holder 2 pieces	0 210 200	24.90 €











# **ENESKApostprocess**Accessories

						Price fr	om
			Size	Dimensions	Order No.	1 piece	1 pai
NESKAmicro footpe	dal						
CALLAN.	• for comfortable contro				0 011 002	166.00 €	
	(start/stop, speed adju • Cable length 2 m	istment)					
\=	• Cable length 2 m						
1							
Maintenance unit jol	ke Niliet						
antitus	Filter controller MD1-FR	20000-1/4			0 004 070	209.00 €	
-	Tiller controller Wib i Ti	1/4.			0 004 070	203.00 C	
	<ul><li>max. Working flow:</li></ul>	1,200 l / min					
Total Control of the	• max. Inlet pressure:	16 bars					
0 0	<ul> <li>Container capacity:</li> </ul>	24 cm <sup>3</sup>					
	• Condensate drain:	semi-automatic-manual,					
THE		automatic via pressure relief,					
		drain via threaded connection					
		G1/8					
W W	<ul><li>Air connection:</li></ul>	1/4"					
called maller	• Medium:	compressed air					
	Oiler MD1-L00-1/4:						
	0.101 1.112 1 200 1,7 1.1						
	<ul><li>max. Inlet pressure:</li></ul>	16 bars					
	<ul> <li>Container capacity:</li> </ul>	40 cm <sup>3</sup>					
	<ul><li>Air connection:</li></ul>	1/4"					
	• Medium:	compressed air					
	Scope of delivery:	25 μm filter, manual water					
	, , , , , ,	separator, micro oiler, pressure					
		reducer, pressure gauge and					
		wall mounting					

### ENESKApostprocess high-performance oil, 20 l

for filling the extraction with wet scrubber

for reactive materials



### Exhaust system internal



 for reactive materials
 0 210 313
 7208.00 €

 for non-reactive materials
 0 210 314
 5788.00 €

### **ENESKA**postprocess Glass dome, laminated glass



900 x 900 x 8,5 mm **0 210 050** 1156.00 €

0 580 518

139.50 €

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# **ENESKApostprocess** Accessories

				Price fr	om
	Size	Dimensions	Order No.	1 piece	1 pai
Protective screen with flexible arm and suction foot					
<ul> <li>can be clamped on flat and slightly uneven surfaces</li> <li>flexibly adjustable by 4 joints.</li> <li>Suction force: 350 N</li> <li>Dimensions: Suction foot: Ø 88 x 23 mm Screen: 300 x 200 x 2 mm</li> </ul>			0 210 208	298.00 €	
Protective screen, plexiglass					
PLEXIGLAS		200 x 200 x 2 mm	0 210 202	15.90 €	
e III B		300 x 200 x 2 mm	0 210 201	19.50 €	
Stainless steel tank 100 l, version: dry					
Stainless steel tank 100 l, version: inert oil					
with drain cock and window			0 210 356	690.00 €	
Stainless steel basket to hold the filter bag MC K4					
		Ø 430 x 500 mm	0 210 362	488.00 €	



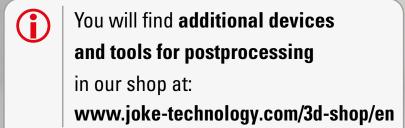


# **ENESKApostprocess**Accessories

					Price f	
File I BAOMA : CI		Size	Dimensions	Order No.	1 piece	1 pai
Filter bag MC K4 microfik	with wire ring		Ø 430 x 500 mm	0 210 361	176.00 €	
Wet filter cassette, version						
P	filled with stainless steel wool, antistatic		Ø 260 x 70 mm	0 210 363	59.00 €	
Star shaped filter dust cla	ass M, version: inert oil					
	<ul> <li>Dust class M (medium risk) according to EN60335-2-69</li> <li>for the separation of dust withan exposure limit of greater than 0.1 mg/m³</li> <li>suitable for vacuuming dry, flammableDusts in zone 22</li> <li>PU/polyester, antistatic (separation efficiency: 99.95%)</li> </ul>		Ø 460 x 210 mm	0 210 357	489.00€	
HePa filter cartridge H14	version: inert oil					
	3 m² filter surface     Filter Dust class H (high risk) according to EN 60335-2-69     for the separation of all dust with all exposure limits, including carcinogenic and pathogenic dusts     antistatic (separation efficiency: 99.995%)		Ø 460 x 105 mm	0 210 358	457.00 €	
Gloves latex for ENESKA	postprocess, 600 mm					
	• with cuff Ø 180 – 300 mm • size 10 • EN388	10		0 210 250		56.84
ENESKApostprocess arm	cuff made of latex					
	<ul> <li>Length: 500 mm</li> <li>Installation diameter: from Ø 230 to 360 mm</li> <li>Arm cuff made from very robust and stretchable latex with rolled edge for installation for Ø 230 to approx. 360 mm</li> <li>for long-term use because the wear on the extra gloves to be used happens</li> <li>with star slits for optimal sealing</li> </ul>			0 210 260		91.90 €

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# **Demonstration**



### Would you like a date for a personal demonstration?

We are out and about every day in Germany and some neighbouring countries. You can test our system with your workpieces on your premises. We have everything on board!

Would you like a personal demonstration?

Mr. Fielenbach will be glad to arrange the next possible appointment with you.

You can contact him at +49 (0) 2204 / 839-749 or by email at m.fielenbach@joke.de.



# For any kind of support or demonstration please contact us. We will be pleased to help you!

#### Your expert team:



Max Fielenbach
Product Manager Additive Manufacturing /
3 D printing

**Tel.** +49 (0) 22 04 / 839 749 **Mail:** m.fielenbach@joke.de



Tobias Meyer
Sales International
Tel. +49 (0) 22 04 / 839 27
Mail: sales@joke.de



Frank Westerhoff
Head of export
Tel. +49 (0) 22 04 / 839 300
Mail: sales@joke.de



Elisabeth Longerich
Sales France
Tel. +33 3 88 16 51 81

Mail: distribution@joke-technology.fr



### joke Technology GmbH

Asselborner Weg 14 -16
D-51429 Bergisch Gladbach
Tel. +49 (0) 22 04/8 39-0
Mail sales@joke.de

Shop www.joke-technology.com