GERIMA

world of beveling



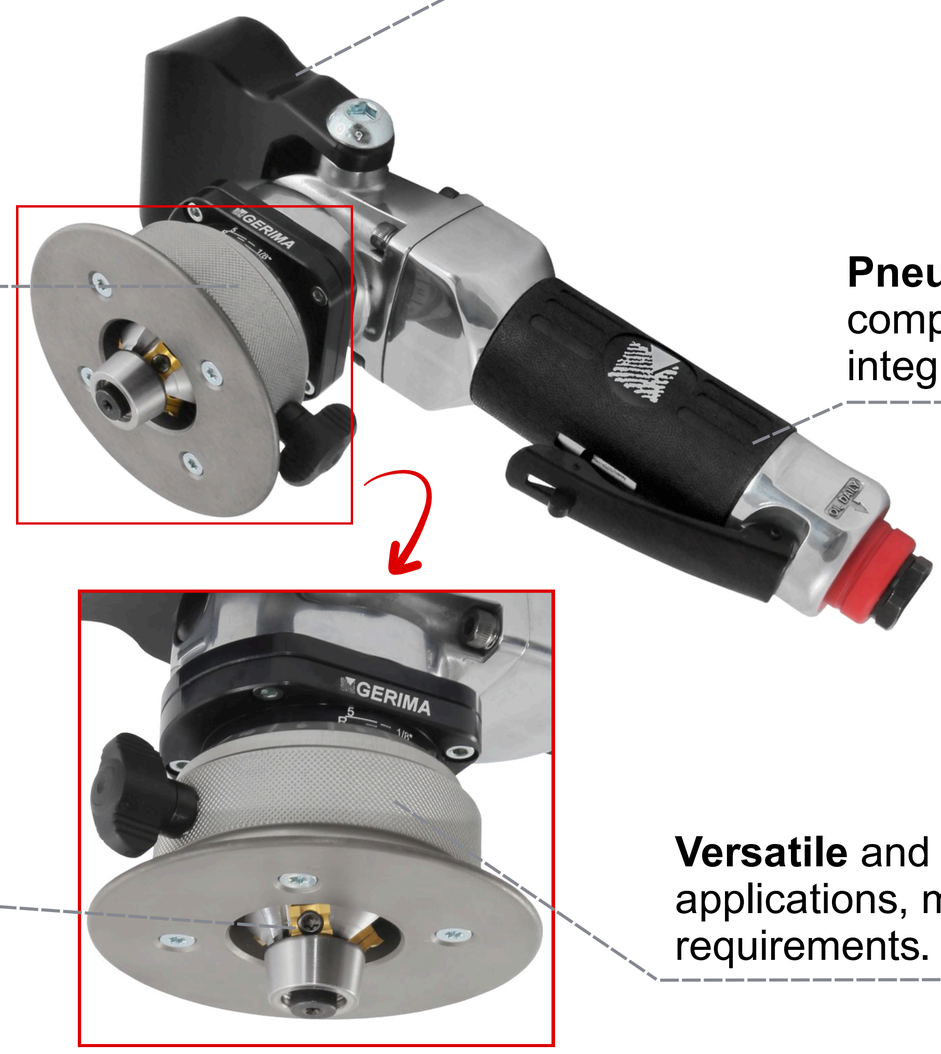
SMA 20 APF

MOBILE EDGE MILLING MACHINES WITH PROVEN GERIMA MILLING TECHNOLOGY

type of bevel	α =45°	C up to 7 mm	r = 1.2-2.5 mm	on					type of beveling

Practical plastic handle.

Lightweight, robust, and low-maintenance, offering reliable performance and consistently smooth operation.



Pneumatic motor with composite motor housing and integrated silencer.

Milling head with 3 indexable inserts, usable on 8 sides, for bevel and radii, with guide roller.

Versatile and ideally suited for various applications, materials, and machining requirements.

▶ Area of application

Processing of small and medium-sized bevels up to 7 mm bevel width on straight edges and contours for weld preparation. Processing of radii from 1.2 to 2.5 mm to prepare paintwork and coatings or to reduce the notch effect when components are subjected to high dynamic loads. Processing of optical bevels or functional edges.

▶ Industry

Metalworking shops, mechanical engineering, mold making, tool making. An ideal complement for CNC machining centers, boring machine with contour machining and edge rounding. Preparation for painting and corrosion protection.

▶ Technical specifications

adjustment range	*a*	*5 mm*
bevel width	*C*	*up to 7 mm*
bevel angle	*α*	*45°*
radius	*r*	*1.2-2.5 mm*
equipping	*Z*	*3 indexable inserts*
power	*P*	*1.500 W*
speed	*n*	*11.000 min-1*
weight	*G*	*2.95 kg*
compressed air	*V*	*6-7 bar, 20l/s*
leg length	*b*	
opposite angle	*ß*	
bevel height	*h*	
bevel size	*A*	
land width	*s*	

The bevel widths depend on the material and bevel angle.

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CONSUMABLES AND ACCESSORIES

▶ Milling heads and guiding rolls

As standard, a cutter with 3 blades at a 45° angle and for radii from 1.2 mm to 2.5 mm is permanently installed.

For the milling head (bevel, radius), specially coordinated guide rollers are offered. These guide rollers also enable the machining of inner and outer contours and boreholes.



fig. 45°-bevel-milling head with 3 cutting edges and guide roller, equipped with 3 bevel-indexable inserts of type K



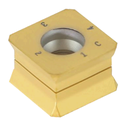
fig. 45°-radius-milling head with 3 cutting edges and guide roller, equipped with 3 x 3 mm-radius-indexable inserts of type R-K

▶ Carbide inserts for bevels and radii

Indexable inserts are offered as standard with different coatings for machining a wide varity of materials:

- for plastics and non-ferrous metals (e.g. aluminum, copper, brass)
- for steel and soft stainless steels (V2A)
- for hard steels, fine grain steels or higher-alloyed stainless steels
- other indexable insert types and designs for special applications on request

Indexable inserts for bevels, can be used 8 times

type K 

bevel	*up to 8 mm*
type	*K*
cutting edges per insert	*8*

Indexable inserts for radii, depending on type, can be used 8 or 16 times

type R-K  type R-K 

radius	*1.2 / 2*	*2.5 / 3 / 4 / 5 / 6*
type	*R-K*	*R-K*
cutting edges per insert	*16*	*8*

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