

ALME PSM 3000 **The edge machining system for especially hard materials**

The Machine

The PSM 3000 is an edge grinding machine for machining carbon steel, stainless steel and high-strength materials (Hardox).

The Advantages

Whether it's used in welding seam preparation or for the production of optical chamfers – the high-performance grinding method from ALME revolutionizes edge machining on sheets and plates.

Without expensive pre and post-processing, the PSM technology delivers bar metal edges with an outstanding surface quality. The required chamfer angles can be precisely controlled and are exactly complied with for excellent reproducibility. The resulting dry grinding chips fall directly into a drawer, enabling problem-free disposals with the usual metal scrap.

The PSM 3000 guarantees simple handling and fast familiarization. Advance clamping of the work pieces is not necessary and the sturdy solid design of the machine speaks for itself.



The Options

The PSM 3000 uses standard grinding belts with the dimensions 100 / 80 / 60 / 50 x 3,000 mm. Plates up to 3000 mm long are transported without a moving table.

An optional roller table, which permits endless machining is also available. ALME offers problem solutions for customers - specific machining with individual adaptation of the machine or with special design.



**Technical data**

- Chamfer angle 0°-60°, stepless adjustable
- Chamfer height 0-35 mm
(2-3 passes may be necessary depending on material)
- Plate size -
Length variant w/moving table (3,000mm), variant w/ roller table (endless)
- Thickness max. 50 mm
- Drive output 7.5 kW
- Feed 0.3 – 1.5 n/min. 0.5 kW
- Grinding belt 100 / 80 / 60 / 50 x 3,000 mm
- Grinding belt tear monitoring, Pneumatic
- Power supply 3 x 400 V, 30 A
- Compressed-air supply 6-8 bar
- Dimensions: Length approx. 6,100 mm
Width approx. 2,100 mm
Height approx. 2,100 mm
- Weight 2,500 – 3,000 kg (depending on model)

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