

ALME PAM 30-60 **EDGE MILLING MACHINE**
EDGEMILL SERIES 500



EDGE MILLING MACHINE ALME EDGEMILL SERIES 500 TH

The edgemill is a stationary edge milling machine designed for the efficient beveling of plates and bars.

Its patented, infinitely variable feed rate allows edges to be machined without requiring the work piece to be clamped. The infinitely variable swivelling capability of its milling spindle allows any required milling angle across a range of 30° to 60°. The maximum bevel height that can be achieved by the edgemill series 500 is 22 mm (with a milling angle of 30° in several passes). Depending on the specific equipment of the machine, the speed of the milling spindle can be infinitely adjusted by frequency converter. Option: round milling device for machining round parts; table extension on the right, the left and in front.

The edgemill series 500 allows all carbon steels, cast metals, aluminium and light metal alloys, titanium, non-ferrous metals, stainless steels (under certain conditions) and all materials that can be machined to be processed. The good accessibility of its milling head allows insert changes within a few minutes. The machine does not require any maintenance. The chips produced by the milling process are discharged into a special drawer and can be easily removed. This ensures a tidy workplace.



E UNIVERSAL MACHINE

Edge milling machine with ball bearing conveyor table

Technical data of edgemill 500

Milling spindle speed with frequency converter 1800 to 5000 rpm

Milling head diameter 125 mm with 10 ISO inserts

Motor power 5.5 kW

Feed rate 0.5 to 5 m/min

Guide rail length 700 mm hardened

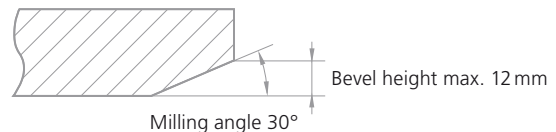
Voltage 400 V, 50 Hz standard,
special voltages with transformer upon request

Dimensions length 1300 mm, width 900 mm, height 1700 mm

Weight approx. 600 kg

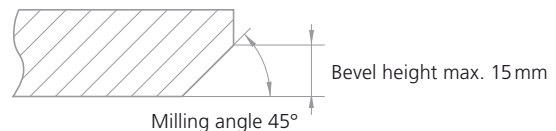
Milling angle 30°

Bevel height infinitely variable; at 30° max. 12 mm
(depending on the material, 2 to 3 passes may be required)



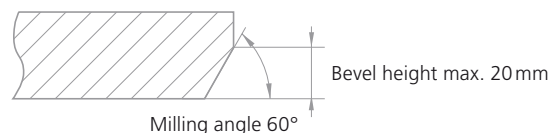
Milling angle 45°

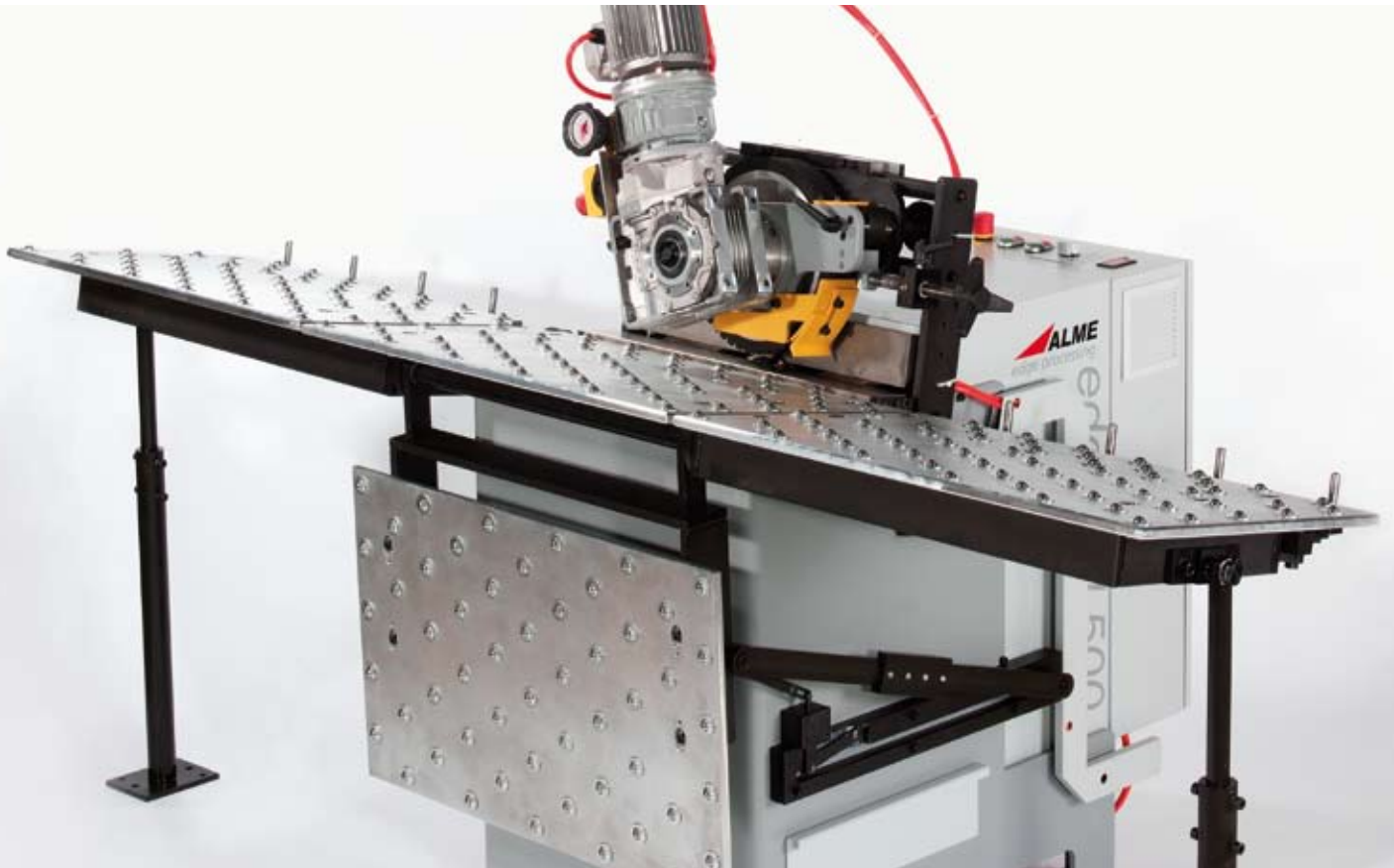
Bevel height infinitely variable; at 45° max. 15 mm
(depending on the material, 2 to 3 passes may be required)



Milling angle 60°

Bevel height infinitely variable; at 60° max. 20 mm
(depending on the material, 2 to 3 passes may be required)





AT THE EDGE OF PERFECTION

Technical data and options **edgemill series 500**

Specifications	Machine type			
	380	400	450	500
Guide rails, hardened 700 mm length				
Motor power 3 kW			opt.	
Motor power 5.5 kW			opt.	
Milling spindle speed, fixed 2850 rpm	opt.			
Milling spindle speed, variable with frequency converter 1800 to 5000 rpm	opt.			
Feed rate motor 0.5 kW				
Feed rate motor with variable feed rate 0.5 to 5 m/min				
Ball bearing conveyor table, aluminium design, 32 ball elements		opt.		
Ball bearing conveyor table, aluminium design, 55 ball elements		opt.		
Angle adjustment, fixed (milling angle)				
Angle adjustment, variable 30 to 60 degrees (milling angle)				
Angle adjustment, variable 15 to 45 degrees (milling angle)				
Milling head diameter 80 mm with 6 ISO inserts				
Milling head diameter 125 mm with 10 ISO inserts				
Round milling device				
Table extension, front				
Table extension, right / left				
Dimensions: length 1200 mm / width 900 mm / height 1700 mm				
Dimensions: length 1300 mm / width 900 mm / height 1700 mm				
Weight: approx. 400 kg				
Weight: approx. 600 kg				
Voltage 400 V, 50 Hz standard				
Bevel height infinitely variable: depending on material, 2 to 3 passes may be required				
at 60° max. 15 mm, at 45° max. 10 mm				
at 60° max. 20 mm, at 45° max. 15 mm				

Technical data are subject to change without notice

 **ALME**
perfect precision

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