

**PLATE EDGE BEVELLING MACHINE - KBM®80-100**

KBM-80-100

Adjustable bevel angle between 15° - 77°

Durable hardened steel frame

Motorized feeding with two polyurethane wheels

Trolley complete with height adjustment, chip deflection, chip box, and swivel wheels with brake

These plate bevellers produce clean milling style bevels with no thermal distortion on mild steel, stainless steel, titanium and aluminum plate.

The KBM®80-100 automatically bevels the topside of the plate which results in a reduction of time and cost. The KBM®80-100 is ideal for a variety of metal fabrication industries including: tanks, silos, pipes and pipelines, cranes, digging machines, railcar manufacturing, shipyards and windtowers.

*Produces milled quality bevels at 1 meter per minute*

WITH ADJUSTABLE BEVELLING HEAD TO PRODUCE BEVEL ANGLES 15° TO 77°



## SPECIFICATIONS

Milling Cutter Motor Power	230/400*, 4Kw, 50/60 Hz, 4 pols
Feed Motor Power	0.6 Kw
Bevel Adjustment	5-30mm width (diagonal 50mm)
Milling Cutter Diameter	80mm
Plate Thickness	8mm - 100mm
Bevel Angle	15°-77°
Bevel Speed	0-1m/min
Height Adjustment	200mm
Weight	185kg
Unit Dimensions	600x600x1600mm



\* Special voltages available upon request

### MAX ACHIEVABLE BEVEL AT START WITH ONE PASS

Angle	15°	30°	45°	60°	75°
Bevel Length	27mm	15.5mm	13.4mm	15.5mm	24.5mm
Run Depth	6.7mm	6.7mm	6.7mm	6.7mm	6mm

### MAX ACHIEVABLE BEVEL AT START WITH MULTIPLE PASSES

Angle	15°	30°	45°	60°	75°
Bevel Length	53.4mm	56.5mm	59.6mm	54.9mm	66.6mm

### RECOMMENDED BEVELLING CAPACITIES

MATERIAL	TYPE	15°			30°			45°			60°			70°		
		L	S	V	L	S	V	L	S	V	L	S	V	L	S	V
Steel R<450 N/mm <sup>2</sup>	C15, C16	41.3	3.6	75.7	28.5	5.6	75.2	26.4	6.5	77	28.5	5.6	75.2	28.5	5.6	75.2
Steel R<550 N/mm <sup>2</sup>	Fe52, C45	40.6	3.4	69.3	27.7	5.3	69.3	25.5	6	69.3	27.7	5.3	69.3	27.7	5.3	69.3
Steel R<900 N/mm <sup>2</sup>	35NiCrMo6	38.3	2.8	55.8	25.5	4.3	53.4	23.3	5	54.8	25.5	4.3	53.4	66	2.7	86.7
Stainless Steel	AISI 304	38.7	3	57.8	26	4.5	58	24	5.3	59.5	26	4.5	58	66	2.7	93
Stainless Steel	AISI 316	36.9	2.5	48.4	24.5	3.9	47.7	22.2	4.4	47	24.5	3.9	47.7	66	2.7	89.4

Legend: L - Achievable Bevel Length (mm)

S - Run Depth (mm)

V - Chip Volume Produced

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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL DIMENSIONS ARE NOMINAL



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