



ABM-50 DD Vario ABM-50 DD

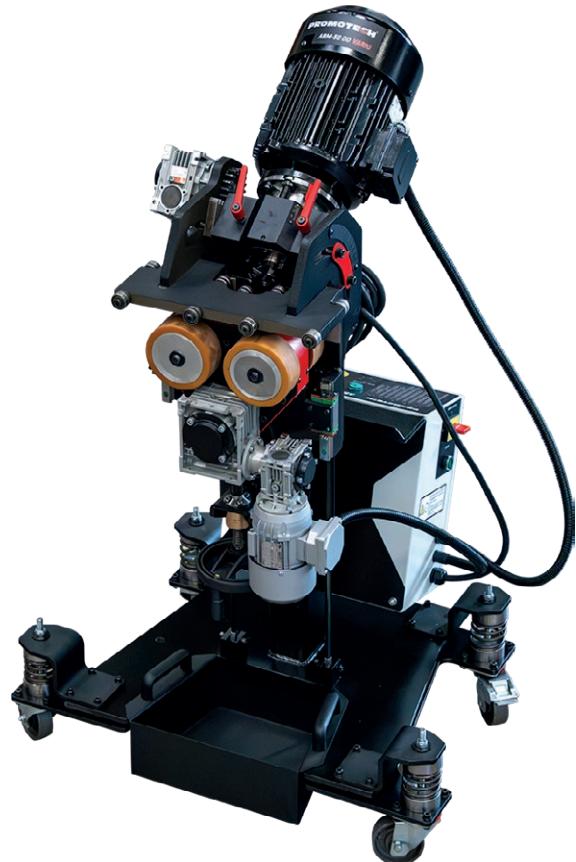
AUTO-FEED HEAVY DUTY BEVELLER

The ABM-50 DD Vario is a self-propelled beveling machine that produces high quality bevels up to 50 mm wide, on the top edge of plates from 8 mm to 80 mm thick, without thermal distortion or the creation of a heat-affected zone through efficient milling using a high speed rotary head with cutting inserts.

Adjustment of spindle speed and feed rate, together with a load level LED monitoring system, helps to optimize cutting conditions depending on the grade of material, including stainless steel, duplex, alloys, hardox and many others.

The ABM-50 DD Vario allows continuous adjustment of bevel angle over a wide range from 15 to 70 degrees.

For beveling **carbon steel only**, the customer can choose the basic **ABM-50 DD model** with fixed spindle speed.



Primary features and benefits:

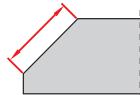
- self-propelled machine moves along the edge of the plate at speeds of up to 1.2 m/min.
- auto-feed machining to increase ergonomics, comfort, and productivity
- continuous bevel angle adjustment from 15° to 70°
- high-quality bevels made without thermal distortion or creation of heat-affected zone on plate thickness range 8-80 mm
- continuous bevel width adjustment up to 50 mm at 45 degrees
- variable spindle speed for machining a wide range of steel grades
- LED monitoring system indicates the load level by means of green, yellow and red signals to prevent motor damage
- top beveling with height adjustment between 840 and 1040 mm from the floor
- milling head equipped with 5 pcs of 4-sided indexable cutting inserts
- a range of cutting inserts designed for optimum performance on a variety of materials
- spring-loaded castor wheels help compensate for unevenness between the plate and the floor, ensuring stable movement of the machine during beveling
- stationary operation for machining small workpieces



Top beveling



Bevel angles
top 15° - 70°



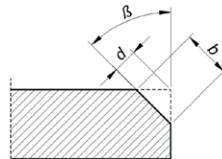
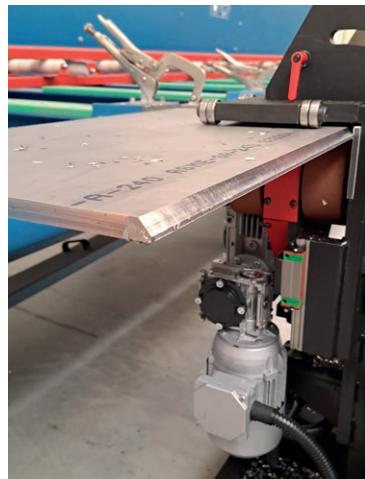
Bevel width
up to 50 mm / 45°



Min plate thickness 8 mm
Max plate thickness 80 mm

TECHNICAL SPECIFICATION	ABM-50 DD Vario	ABM-50 DD *
Voltage	3~ 400 V + PE, 50/60 Hz 3~ 480 V + PE, 50/60 Hz	3~ 400 V + PE, 50/60 Hz 3~ 480 V + PE, 50/60 Hz
Power	4 kW	4 kW
Spindle rotational speed (without load)	500-1450 rpm	1450 rpm (50 Hz) 1750 rpm (60 Hz)
Feed speed	0-1.2 m/min (0-3.94 ft/min)	0-1.2 m/min (0-3.94 ft/min)
Bevel angle (β , Fig. 1)	15-70°	15-70°
Maximum bevel width (b, Fig. 1)	50 mm (2")	50 mm (2")
Maximum milling head penetration ('d', Fig. 1) per single pass	6 mm (15/64")	6 mm (15/64")
Sheet thickness	8-80 mm (5/16-3 9/64")	8-80 mm (5/16-3 9/64")
Required ambient temperature	0-40°C (32-104°F)	0-40°C (32-104°F)
Weight	260 kg (573 lbs)	260 kg (573 lbs)
Product code (packed in cardboard):	UKS-0773-10-40-01-0	UKS-0773-10-40-02-0
Product code (packed in wooden case):	UKS-0773-10-40-03-0	UKS-0773-10-40-00-0

* Model ABM-50 DD features constant spindle speed



β	b
15°	41.8 mm (1 41/64")
30°	46.2 mm (1 13/16")
45°	50.2 mm (1 31/32")
60°	46 mm (1 51/64")

Standard shipping set:

- Beveller incl. milling head and 5 cermet cutting inserts
- Box with base and mounting brackets
- 22 mm combination wrench
- 8 mm hex T-wrench with ball end
- T15 Torx screwdriver
- Grease for screws (5 g/0.17 oz)
- Special wrench
- Operator's Manual

