

STEELBEAST®

JEI
Solutions
Built for Industry

ABM-30 AUTO FEED TRACKLESS BEVELLER



THE STEELBEAST® ABM-30

The ABM-30 portable beveling machine performs auto feed beveling on steel plates on top, face and bottom edges.

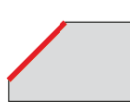
The beveller needs no track to move along steel plate to produce accurate high-quality double-side bevels without thermal distortion or creation of heat affected zone on plate thickness range 8-60 mm.

The ABM-30 features an infinitely adjustable bevel angle between -70° and $+70^\circ$ degrees and is capable of producing bevels up to 30 mm wide.

It also allows for facing in both directions with the milling head depth of 1 mm.

FEATURES AND BENEFITS:

- Needs no track to travel in both directions with feed speed up to 2 m/min
- 4 wheels feed drive eliminates hard physical work of the operator
- produces double-side bevels without having to flip the plate enhancing safety and reducing material handling time and expense
- Edge to Edge working range
 - Semi-automatic feed stop at end of the metal sheet
- Variable spindle speed
- Bevel width up to 30 mm (1-3/16")
- Variable angle (-70° to $+70^\circ$)
- Max. plate thickness up to 60 mm
- Innovative, robust chip protection solution



Top beveling



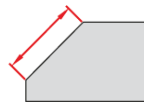
Facing off



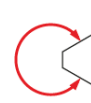
Bottom beveling



Plate thickness
max 60 mm



Bevel width
up to 30 mm



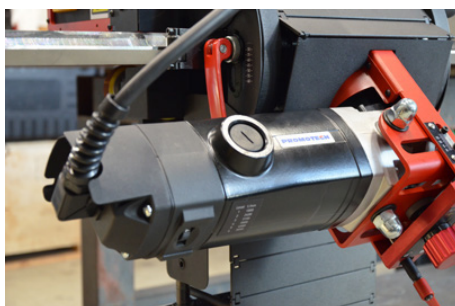
Bevel angle
between -70° and 70°

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TOP BEVELING



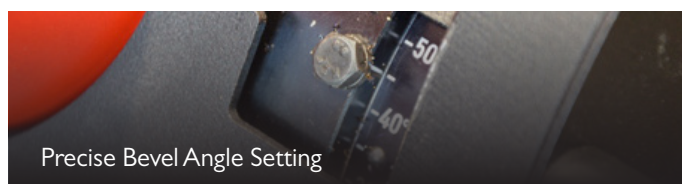
BOTTOM BEVELING



FACING-OFF

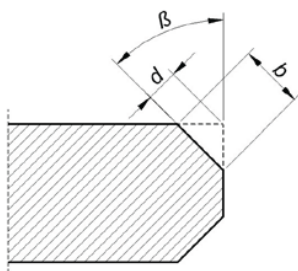
ABM-30 TECHNICAL SPECIFICATION

Voltage	1~ 200-240 V, 50/60 Hz 1~ 110-120 V, 50/60 Hz
Power	2200 W
Spindle rotational speed (without load)	1800-5850 rpm
Feed speed	0-2 m/min (0-6.5 ft/min)
Bevel angle (β , Fig. 1)	From -70° to 70°*
Maximum bevel width (b, Fig. 1)	30 mm (1.18")
Sheet thickness	8-60 mm (0.3-2.3")
Required ambient temperature	5-40°C
Weight	53 kg (116.8 lbs)



CONTROL PANEL:

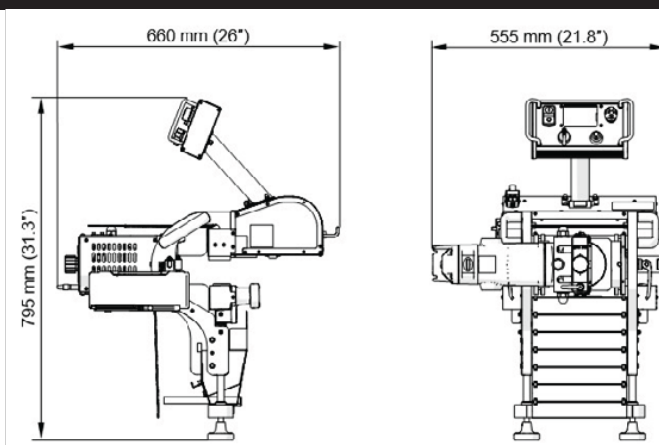
- Feed direction indication
- Material detection
- Bar graph for motor load illustration
- Visual warning signals



β	0°	15°	37.5°	45°	60°	70°
b	30 mm (1.18")	30 mm (1.18")	30.5 mm (1.2")	30 mm (1.18")	30 mm (1.18")	31 mm (1.22")

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DIMENSIONS:



ACCESSORIES:



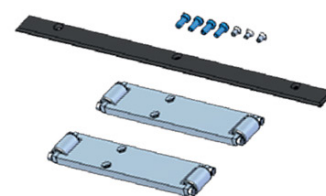
ZST-0715-23-00-00-0
Milling head for
stainless steel



PLY-000849
Cutting insert for stainless
steel (sold 10 pcs/box)



WKR-000592
Insert fixing screw
for stainless steel



ZST-0690-16-00-00-0
Set for stainless steel
for ABM-30



GLW-0715-19-00-00-0
Milling head



PLY-000756
Cutting insert
(sold 10 pcs/box)



WKR-000577
Insert fixing screw

ADDITIONAL ACCESSORY:

Transportation and storage trolley:



SHIPPING SET:

- Beveling machine (with a milling head and 5 cutting inserts)
- Tool box
- Drift
- 10 mm hex wrench
- 3 mm hex wrench
- 8 mm combination wrench
- Grease for screws Molykote 1000 (5 g, 0.17 oz)
- Operator's Manual

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