

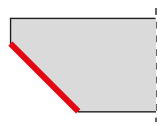
SBM500 STATIONARY BEVELING MACHINE

MACHINE STRAIGHT EDGES OF DIFFERENT SIZE WORKPIECES

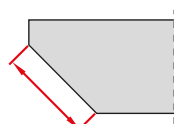
The Steelmax **SBM500** is a robust and efficient solution for beveling and deburring steel plate, angle, square/rectangular tubing and pipe. With its high-speed rotary milling head and variable auto feed, the **SBM 500** produces accurately milled weld preparations, improves welding efficiency and reduces costs. Machined bevel angles are accurate and consistent, making plate and root gap fit-up extremely precise and easy. Accurate weld preparation reduces over welding, defect repair, production time, significantly reducing production costs.

FEATURES

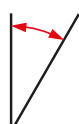
- Powerful 7,500 Watt electric motor for continuous operation
- Variable auto-feed to bevel both ferrous and non-ferrous materials
- Continuously adjustable bevel angle from 15 to 60 degrees
- Simple depth of cut adjustment
- High-speed rotary milling head with 7 replaceable carbide inserts produces a clean, milled surface free of thermal distortion with no heat affected zone
- Multiple cutting insert designs for optimal performance on different materials
- Versatile table top operation permits hand feeding of small plates, square/rectangular tubing, pipe, angle iron and round stock
- Optional table extensions accommodate longer material
- Produces bevel widths up to 1-3/16" (30 mm)
- Plate thickness up to 4" (100 mm)



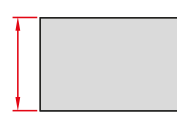
Edge Beveling



Bevel width
up to 1-3/16"
(30 mm)



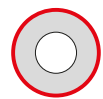
Bevel angles 15° - 60°
continuous adjustment



Workpiece height
from 1/8" (3 mm)
up to 4" (100 mm)



Min. workpiece width 2"
(50 mm)
Min. workpiece length 6"
(150 mm)



Pipe OD beveling
from 2" (50 mm)
up to 6" (150 mm)
(option)

Steelmax®

The tools of innovation.

SBM500 Technical Specifications

Power	7500 W
Spindle Speed	500 - 2920 RPM
Feed Rate	0.5 - 10 feet/min (0.2 - 3.3 m/min)
Bevel Angle Range (β , Figure 1)	15° - 60°
Maximum Bevel Width (b, Figure 1)	1-3/16" (30 mm)
Maximum Bevel Depth Per Pass (d, Figure 1)	1/4" (4 mm)
Minimum Plate Length	6" (150 mm)
Minimum Plate Width	2" (50 mm)
Plate Thickness Range	1/8" - 4" (3 - 100 mm)
Maximum Material Weight	220 lbs (100 Kg)
Round Stock Range	2" - 6" (50 - 150 mm)
Maximum Square/Rectangular Tubing Dimensions	4" x 4" (100 x 100 mm)
Minimum Angle Profile	2" x 2" (50 x 50 mm)
Voltage	480V, 3 Phase, 50/60 Hz
Weight	1,910 lbs (865 Kg)
Part Number	SM-SBM500



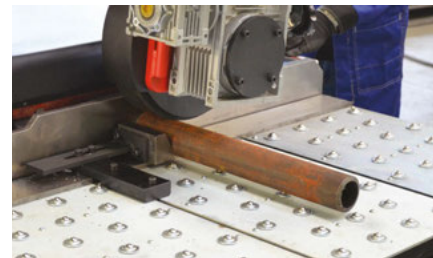
High-quality bevel results



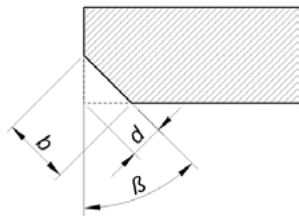
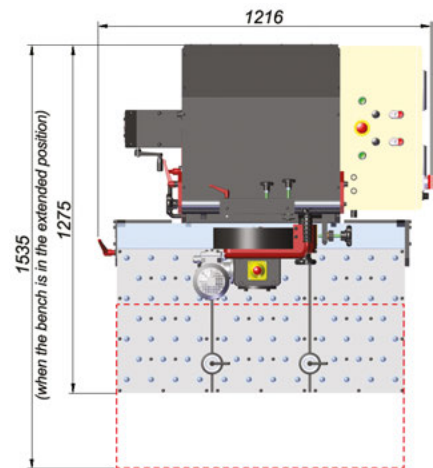
Easily machine various materials



Auxiliary tables to accommodate long workpieces



OD pipe beveling



β	15°	30°	45°	60°
b	30 mm	30 mm	30 mm	30 mm

Fig. 1.
Bevel dimensions; maximum bevel width depending on the angle

STANDARD SET INCLUDES:

- SBM500
- Set of Tools
- Operator's Manual (English)

ACCESSORIES:

- SM-GLW-000030 - Milling head
- SM-PLY-000396 - Cutting insert for steel (7pcs required)
- SM-PLY-000408 - Cutting insert for aluminum (7pcs required)

Cutting inserts for stainless steel are available on request

SM-STL-0573-35-00-00-0 Auxiliary table for long workpieces

SM-PRK-0573-36-00-00-0 Pipe beveling attachment for pipes 2-6" (50-150 mm) OD

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For ordering and customer service, or to request detailed product information or demonstration videos, contact:

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