

## ABM28 AUTO-FEED PLATE BEVELING MACHINE

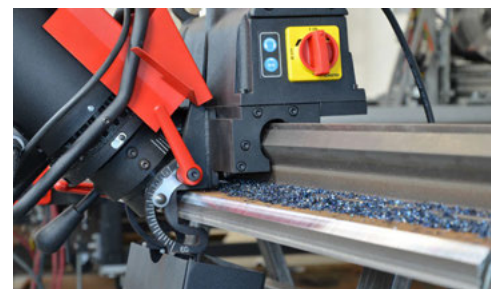
### INNOVATIVE, AUTO-FEED BEVELING MACHINE BEVELS TOP, FACE AND BOTTOM EDGES WITH ONE SET UP

The Steelmax **ABM28** is the latest generation in automatic portable beveling machines with the ability to face plates (0 degrees) and produce top and bottom side bevels at any angle between +60 degrees and -60 degrees from a single setup. With its unique self-indexing guide rail system, the **ABM28** can bevel plates in both travel directions, significantly improving machining times and overall productivity.

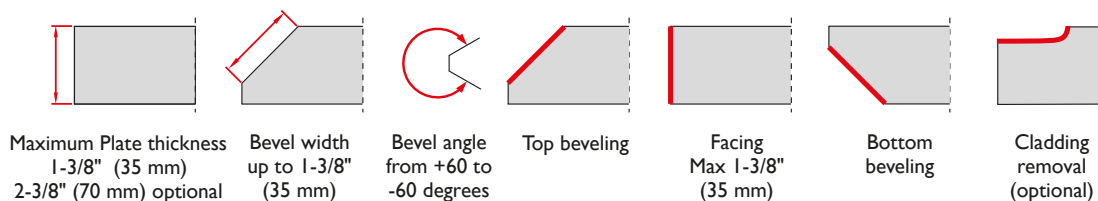
An optional cladding-removal setup is available for the **ABM28** which dramatically simplifies preparing clad materials for welding

#### FEATURES:

- Auto-feed beveler with overload protection produces consistent high-quality bevels with minimal operator fatigue
- Continuously adjustable bevel angle between +60 and -60 degrees enables beveling of both sides of the plate without turning the plate over – significantly enhancing safety and productivity
- Maximum bevel width (depending on the beveled angle) from 1-1/8" to 1-3/8" (28-35 mm)
- Variable feed speed accommodates many types of metals and thicknesses up to 1-3/8" (35 mm) as standard or optionally up to 2-3/4" (70 mm)
- Bevels in both directions reducing cycle times and improving productivity
- Optional cladding-removal attachment simplifies preparing clad materials for welding
- Quick setup and simple operation
- Multiple guide rails can be connected to bevel long plates



Beveling greater lengths of plate is accomplished with additional sections of guide tracks.



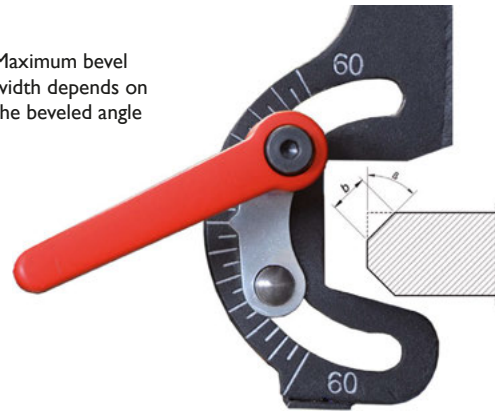
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The tools of innovation.

# AUTO-FEED BEVELING MACHINE FROM STEELMAX®

| ABM28 TECHNICAL SPECIFICATIONS |                                       |
|--------------------------------|---------------------------------------|
| Voltage                        | ~220-240V, 50-60 Hz                   |
| Power                          | 1600W                                 |
| Spindle speed (no load)        | 2780 rpm                              |
| Bevel angle (b)                | 60 to -60°                            |
| Maximum bevel width (b)        | 1-3/8" (35 mm)                        |
| Feed speed                     | 10"-20"/minute (250 mm-500 mm/min)    |
| Plate thickness                | 1-3/8" (35 mm); 2-3/4" (70 mm) option |
| Weight                         | 173 lbs. (70.5kg)                     |

| $\beta$ | 0°                | 30°                | 45°               | 60°                |
|---------|-------------------|--------------------|-------------------|--------------------|
| b       | 1-3/8"<br>(35 mm) | 1-3/16"<br>(30 mm) | 1-1/8"<br>(28 mm) | 1-3/16"<br>(30 mm) |

Maximum bevel width depends on the beveled angle



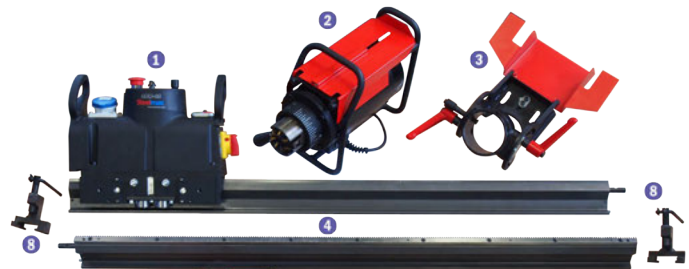
Milling head  
**SM-GLW-000013**



Replacement cutting inserts  
- 7 required  
**SM-PLY-000282**

### Standard shipping set:

1. Carriage mounted on a guide track
2. Milling unit
3. Milling unit support for beveling at 60° to -60°
4. Additional guide track section
5. Track clamp for 3/8"-1-3/8" (10-35 mm) thick plates (3 pcs)
6. Chip container
7. Set of tools
8. Clamp for 3/8"-1-3/8" (10-35 mm) thick plates (2 pcs)
  - Wooden box
  - Operator's Manual



SM-WSP-0518-04-00-00-0

SM-WSP-0518-05-00-00-0

SM-WSP-0518-07-01-00-0

### Accessories and optional equipment:

- SM-GLW-000013 Milling head (7 inserts required)
- SM-PLY-000282 Cutting Insert (1 piece), sold 10pcs/box
- SM-SGM-0152-04-01-00-2 Guide track L=47-1/4" (1200 mm)
- SM-UST-0152-04-04-00-3 Track clamp for 3/8" - 1-3/8" (10-35 mm) thick plates
- SM-UST-0152-15-01-00-1 Track clamp for 1-3/8" to 2-3/4" (36-70 mm) thick plates
- SM-ZCS-0152-04-02-00-1 Clamp for 3/8" - 1-3/8" (10-35 mm) thick plates
- SM-ZCS-0152-15-02-00-0 Clamp for 1-3/8" to 2-3/4" (36-70 mm) thick plates
- SM-WSP-0518-03-00-00-0 Milling unit support for beveling 3/8" - 1-3/8" (10-35 mm) thick plates from -60° to 60°
- SM-WSP-0518-04-00-00-0 Milling unit support for beveling 1-3/8" to 2-3/4" (36-70 mm) thick plates at 0° to 60° (incl. facing)
- SM-WSP-0518-05-00-00-0 Milling unit support for beveling 1-3/8" to 2-3/4" (36-70 mm) thick plates at 0° to -60°
- SM-WSP-0518-07-01-00-0 12° Angle attachment with height adjustment

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 **American Welding Society**  
Supporting Company Member

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



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