PBM 1000 PIPE BEVELING MACHINE

PRODUCE EFFICIENT AND ACCURATE WELD PREPARATION WITH HIGH-SPEED ROTARY MILLING HEAD WITH REPLACEABLE CUTTING INSERTS FOR LONG-TERM PERFORMANCE

The Steelmax PBM 1000 is designed for beveling and facing pipes, tanks or tubes with diameters ranging from 8” – 40” (200 mm - 1000 mm). It is capable of machining bevel widths up to 1-3/4” (45 mm) within a range of angles from 0° – 60°. An exclusive “J” groove beveling attachment is also available. With its high-speed rotary milling head, PBM 1000 produces accurate bevels in a fraction of the time required by traditional single point machining. This saves time and money and improves accuracy.

FEATURES

- Bevel pipe between 8” - 40” diameter
- High-speed rotary milling head with replaceable inserts
- Adjustable bevel angle between 0° - 60°
- J-groove beveling option
- 11-ton capacity
- Powerful 230 Volt 3 PH Motor

Stainless Steel machining is now possible.
PBM 1000 TECHNICAL SPECIFICATION

| Power supply | 1~ 208–230 V, 50/60 Hz 3~ 208–230 V, 50/60 Hz |
| External pipe diameter range | 8”– 40” (200-1000 mm) pipes longer than 830 mm; 8”– 23-5/8” (200-600 mm) pipes of 15-3/4” – 31-11/16” (400-830 mm) length |
| Maximum allowed pipe weight | 13,200 lbs. (6000 kgs) with standard rollers. Up to 22,000 lbs. (10,000 kgs) with optional steel rollers |
| Min. pipe thickness | 3/16” (5 mm) |
| Pipe fixing | mechanical with chain |
| Feed rate | 4” – 43-5/16” (100-1100 mm/min) |
| Beveling angle range | 0-60° degree continuous angle adjustment |
| Max OD bevel width | 1-3/4” (45 mm) |
| Beveling type “J” | YES - option |
| “J” type beveling radius | 0.24” (6 mm) or 0.31” (8 mm) |

Accessories and optional equipment

- SM-GLW-000013 Standard Milling head (7 inserts required)
- SM-PLY-000282 Cutting inserts for beveling
- SM-GLW-000014 J-groove R6 milling head (6 inserts R6 required)
- SM-PLY-000198 Cutting insert for J-groove R6 end preparation
- SM-GLW-000015 J-groove R8 milling head (5 inserts R8 required)
- SM-PLY-000201 Cutting insert for J-groove R8 end preparation
- SM-ZST-0436-25-00-00-0 Stainless Steel Set
- SM-WSP-0436-24-00-00-0 Oval Pipe Tracking Attachment

User-friendly control panel

Optional heavy-duty pipe support with 11-ton capacity

Shields and internal lighting increase safety and comfort of the operator

Optional Oval Pipe Tracking Attachment allows out of round pipe beveling

Range of diameters from 8” up to 40” (200-1000mm)