



PBM-2500 0.5" to 4" Pipe (ID Mount/Air or Electric)

ADVANTAGES

- Light weight - 14 lbs
- Heavy tool bits held in by keyed slots
- Clamping mandrel with bolt-on locator pads (no springs); stops any pieces from dropping down into the work piece
- Gear drive unit has spiral bevel gears for better torque and more teeth engagement
- Mandrels cover a range of 0.5" to 4" ID

APPLICATIONS

- Beveling Boiler Tubes
- Boiler Tube Repair
- Fabrication
- Pipe Lines
- Seal Weld Removal
- Internal & External Beveling
- Facing
- Counter-Boring
- Weld Removal

PRODUCT DESCRIPTION

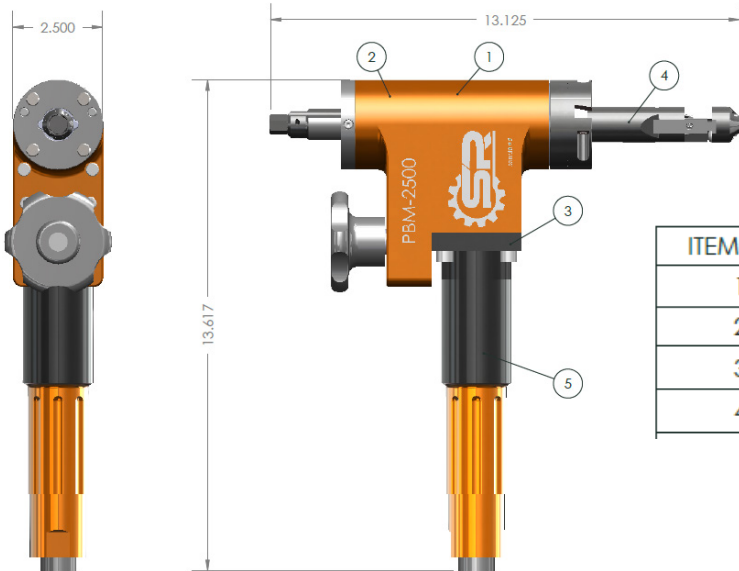
The PBM-2500 is a right-angled pipe (tube) end-prep machining tool designed to face, bevel, and counterbore for cutting end-prep configurations for welding. These operations can be performed separately or simultaneously. The current model uses a pneumatic powered motor. An optional electric motor is available upon request.

This machine uses an internal expanding clamping mandrel with interchangeable pad sets, which will accommodate internal diameters from a 1.000" to 2.50" ID (standard mandrel). Optional mandrels are available and will mount from 0.5" to 1.25" ID (small mandrel) and 2.50" to 4.00" ID (large mandrel). Components, operation, and maintenance are covered in further detail in the operating manual.

The PBM-2500 beveling machine is capable of tube and pipe weld-end preparation that meets all existing conventional codes including the more stringent nuclear codes.

The expanding mandrel provides fast, accurate, self-centering alignment to the pipe or tube to be machined.





ITEM NO.	PART NUMBER	QTY.
1	14592 HOUSING MAIN ASSEMBLY	1
2	14598 FEED HOUSING ASSEMBLY	1
3	14610 ASSEMBLY PINION	1
4	14578 ASSY MANDREL	1

Machining Performance Range		2500
ID Mounting Range:	Small Mandrel (Optional)	0.500 in - 1.250 in (12.7 mm - 31.8mm)
	Standard Mandrel	1.000in - 2.500 in (25.4. mm – 63.5 mm)
	Large Mandrel (Optional)	2.500 in – 4.000 in (63.5mm – 101.6mm)
Cutting Range		0.500in - 4.000in (12.7 mm – 101.6 mm)
Radial Clearance		2.500in (63.5 mm) / Large Mandrel Option 4.000 in (101.6mm)
Max Wall Thickness		0.625 in
Optional Flange Facer		Yes

Drive System	
Motor	1.11 HP (827.73W)
Recommended Air Pressure	40 CFM @ 90PSI
Speed	290 rpm @ Max output
Electric Motor	Available Upon Request

Measurements	
Machine Weight	14 lbs (6.35kg)
Shipping Weight	29 lbs (13.15kg)

Dimensions	
Machine (LxWxH)	Refer to drawing below
Crate/Shipping (LxWxH)	25in x 20in x 10in (635mm x 508mm x 254mm)



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