

PORTABLE TUBE &amp; PIPE BEVELLING · FACING · COUNTERBORING

# PBM-3000

MOST POPULAR · BOILER TUBES



PBM-3000

PBM-3000 · electric drive shown

## The most popular boiler-tube beveller — 28 to 76 mm.

The PBM-3000 is the most popular and powerful machine for boiler-tube weld prep. Quick-change locking jaws cover a wide diameter range and the modular, ergonomic body sets up in seconds — a fast, clean alternative to grinding on stainless, duplex, Inconel and other alloys.

- Self-centering expanding ID mandrel — torque-free clamping
- High-pressure cast-aluminium body, built for continuous duty
- Hardened tool-steel wedge jaws, quick-change across the range
- Facing, bevelling and counterboring in a single setup
- Precision-hardened feed shaft and gearbox, vibration-free
- X-ray-quality prep on stainless, duplex and Inconel — no rework
- Most popular machine for boiler-tube end prep
- Optional reduced shaft down to 20 mm bores

**28 – 76 mm**

ID CLAMPING RANGE

**82 Nm**

MAX TORQUE

**from 8.0 kg**

NET WEIGHT

**40 mm**

FEED STROKE

## TECHNICAL SPECIFICATIONS

by drive version

| SPECIFICATION         | ELECTRIC | PNEUMATIC |
|-----------------------|----------|-----------|
| Clamping range (mm)   | 28 – 76  | 28 – 76   |
| Idle speed (rpm)      | 75       | 110       |
| Max torque (Nm)       | 82       | 56        |
| Feed stroke (mm)      | 40       | 40        |
| Motor power           | 1000 W   | 0.70 HP   |
| Air pressure (bar)    | —        | 6         |
| Air consumption (cfm) | —        | 34 – 36   |
| Net weight (kg)       | 9.0      | 8.0       |

## CONFIGURATION & TOOLING

### LOCKING SYSTEM

Expanding central mandrel + hardened tool-steel jaws · optional reduced shaft (20 → 20–30 mm)

### CUTTER HEADS

Standard Ø80 mm (3.14") · Optional Ø114 mm (4.48") · specialized POB / PSTWR / PSWR

### OVERALL SIZE (A×B×C)

Electric 560 × 410 × 80 mm · Pneumatic 450 × 410 × 80 mm

### APPLICATIONS

BOILER TUBES · HEAT EXCHANGERS · CONDENSERS · PETROCHEMICAL · POWER GENERATION · facing · bevelling · counterboring · weld-seal removal

## MODEL RANGE

internal-clamping · 20 to 609 mm · 8 models

PBM-1625

20–42 mm

**PBM-3000**

28–76 mm

PBM-4000

23–104 mm

PBM-4500

39–114 mm

PBM-8000

49–203 mm

PBM-12000

100–306 mm

PBM-18000

102–457 mm

PBM-24000

180–609 mm