



# ORBITAL CUTTING & BEVELING MACHINE FOR TUBES AND PIPES



#### PROTEM GMBH

Am Hambiegel 27 76706 Dettenheim | Deutschland

Tel.: +49 (0) 7247 93 93 0

Fax: +49 (0) 7247 9393-33

E-Mail: info@protem-gmbh.de

Web: www.protem-gmbh.de

#### PROTEM SAS

PROTEM SAS Z.I. Les Bosses, 26800 Etoile-sur-Rhône | FRANCE

Fax: +33 (0) 4 75 57 41 41
Fax: +33 (0) 4 75 57 41 49
E-Mail: contact@protem.fr

#### PROTEM USA LLC

Web:

29340 Industrial way #402 Evergreen CO 80439 | USA

Tel.: +1 303 955 4862 Fax: +1 303 955 5904 E-Mail: contact@proten

www.protemusa.com















## DESCRIPTION // Ø 168.3mm - 1300mm (6"- 52")



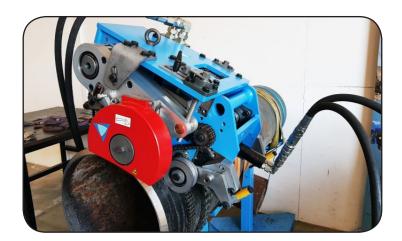
The OCM Portable Tube Cutting Machine is designed for cutting and beveling tubes and for cutting to length tubes with  $\emptyset$  6"-52" (168.3mm-1320.80mm)) OD. minimum and for wall thicknesses up to 2" (50.8 mm). Its independent beveling module is entirely adjustable and performs bevels from 0° to 90° without changing accessories.

It was designed to be easy to use; Robust and reliable, it can be used on-site, in the workshop or in challenging environments.

It has extension chains to clamp onto large diameter tubes.

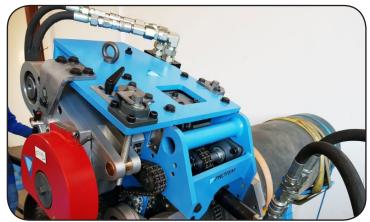
- ▼ The OCM Tube Cutting Machine is the essential complement for all your welding operations.
- ▼ Portable machining tool (OD Mounted).
- Cutting and beveling modules available.
- ▼ Perfect weld preparation.
- ▼ Capacity to perform bevels from 0 to 90° and simple cuts.
- ▼ For construction, maintenance, and repair of tubular components.
- **♥** On-site or in the workshop.
- ▼ No heat-affected zone!
- Toesigned for all types of materials: mild steel, chromium, stainless steel, duplex, super duplex, copper-nickel alloys, inconel, P91, aluminum, exotic alloys.

BEVELING	CUTTING	FACING	SURFACING
✓	✓	✓	×



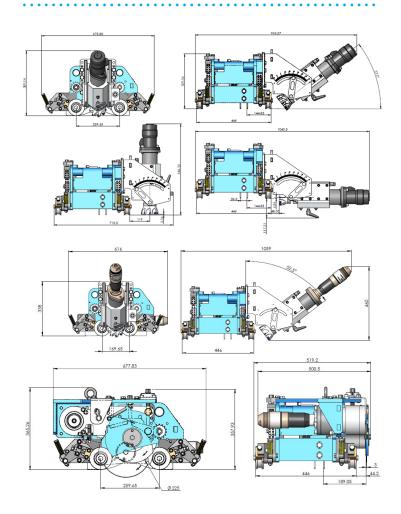








### **TECHNICAL FEATURES**



MACHINE	ОСМ
Machining capacity	From 6"OD(168.3mm) For wall thicknesses up to 2"(50.8 mm). The basic chains allows to cover Ø up to 52"(1320.8mm). Optional extension chains allow to cover the range of diameters of virtually all available pipes on the market. Beveling can be performed on wall thicknesses up to 2" (50.8 mm) in several passes. Its adjustable module can bevel the required inclination, whatever it may be.
Carriage feed	Hydraulic: 72 mm/min. (2.83") Pneumatic: 100 mm/mn(3,94")
Clamping capacity	From 6" (168.3mm) OD. According to length of the chain.
Shapes and bevelang- les	Facing, bevels from 0° to 90°
Clamping	Manual according to the procedure of the operating manual
Penetration	Manual according to the procedure of the operating manual
Feed & rotation	Automatic

<sup>\*</sup> OTHER MOTORS ARE AVAILABLE ON REQUEST

MACHINE	ОСМ
Hydraulic motor	Feed motor speed: 0-72 mm/min Cutting motor speed: from 10 to 80 rpm Beveling motor speed: from 10 to 150 rpm (adjustable rotation speed according to oil pressure and flow) Feed motor power: 2 kW Cutter saw motor power: 35.4 kW Beveling motor power: 8 kW

MACHINE	ОСМ
Pneumatic motor	Feed motor speed: 0-100 mm/min Cutting motor speed: from 10 to 80 rpm Beveling motor speed: from 100 rpm (adjustable rotation speed according to pressure and flow – mini recommended air supply: 6 bars- adjustable speed) Feed motor power: 1,2 kW Cutter saw motor power: 3,7 kW Beveling motor power: 1,7 kW

ORDER NO.	DESCRIPTION
OCM-1060	OCM with 2 kW hydraulic motor and 35.4 kW cutting module - Weight 410 LB ~ 184 kg.
OCM-2200	OCM with 2 kW hydraulic motor and 8 kW beveling module - Weight 320 LB $\sim$ 145 kg
OCM-1062	OCM with 2 kW hydraulic motor and 35.4 kW cutting module and 8 kW beveling module - Weight 518 LB $\sim$ 230 kg
OCM-1100	OCM - Orbital cutting and beveling machine for tubes and pipes, hydraulic carriage only - Weight 212 LB $\sim$ 96 kg
OCM-1005	OCM with 1,2 kW pneumatic motor and cutting module - Weight 425 LB $\sim$ 192 kg
OCM-2202	OCM with 1,2 kWpneumatic motor and beveling module 2 kW - Weight 320 LB $\sim$ 145 kg
OCM-1000	OCM with 1,2 kw pneumatic motor, cutting module and beveling module - Weight 518 LB ~ 230 kg
OCM-1102	OCM - Orbital cutting and beveling machine for tubes and pipes, pneumatic carriage only - Weight 214 LB ~ 97 kg

