

# OCM - ORBITAL CUTTING AND BEVELING MACHINE FOR TUBES AND PIPES

OCM

Ø 168.3 - 1320.8 mm (6" - 52")



## DESCRIPTION:

The OCM portable tube cutting machine is designed for cutting and beveling tubes to length from 6" in diameter (Ø168.3 mm) OD minimum and for wall thicknesses up to 2" (50.8 mm).

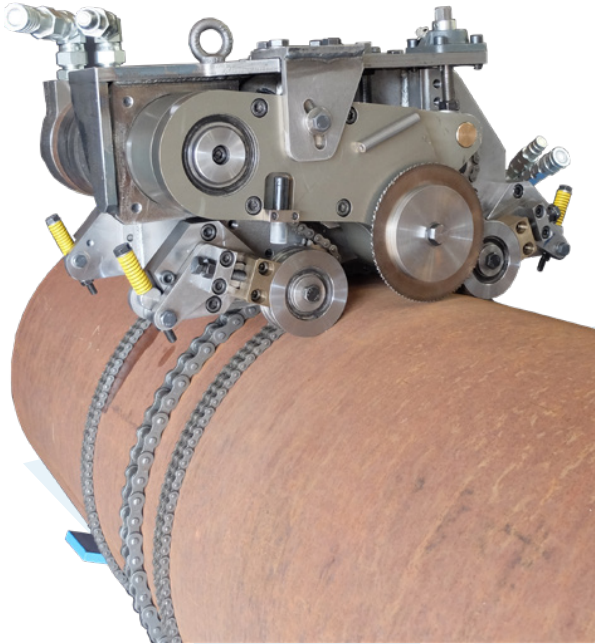
Its independent beveling module is entirely adjustable and performs bevels from 0° to 90° without changing accessories.

It was designed to be easy to use;

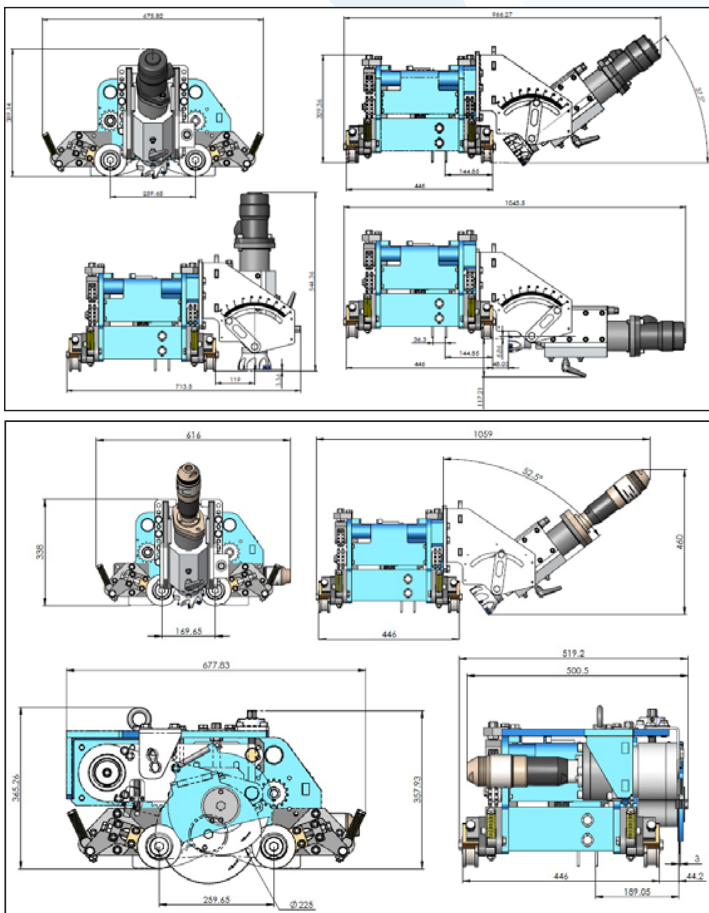
Robust and reliable, it can be used on-site, in the workshop or in challenging environments.

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 clamping).
- Cutting and beveling modules available.
- Perfect weld preparation.
- Ability to perform I and V bevels from 0 to 90°.
- For construction, maintenance, and repair of tubular components.
- On -site or in the workshop.
- No heat-affected zone!
- Designed for all types of materials; carbon steel, chromium, stainless steel, duplex, super duplex, copper-nickel alloys, inconel, P91, aluminum, exotic alloys.



## DIMENSIONS:



Beveling	Cutting	Facing	Counterboring	Surfacing
✓	✓	✓	✗	✗

## TECHNICAL SPECIFICATIONS:

Machine	OCM
<b>Machining capacity</b>	From 6" OD (168.3 mm) For wall thicknesses up to 2" (50.8 mm). The basic chains machine up to 52" diameter (1320.8 mm). Optional extension chains cover the full range of standard tubes on the market.
<b>Carriage feed</b>	8" (200 mm)/min.
<b>Clamping capacity</b>	From 6" (168.3 mm) OD According to length of the chain.
<b>Shapes and bevel angles</b>	Facing, bevels from 0° to 90°
<b>Clamping</b>	Manual according to the procedure of the operating manual
<b>Penetration</b>	Manual according to the procedure of the operating manual
<b>Feed and rotation</b>	Automatic

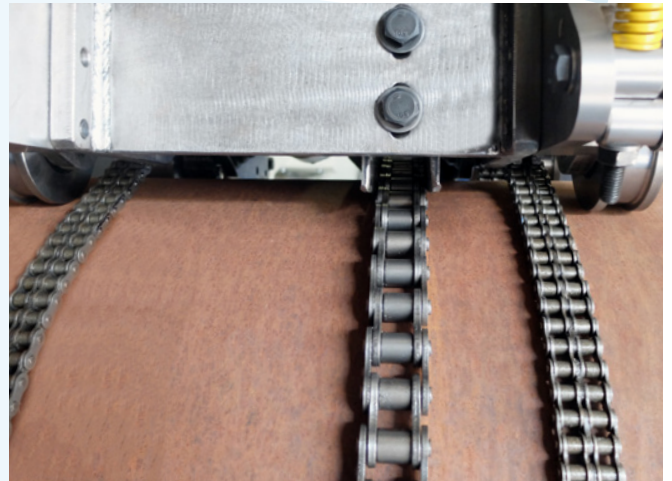
OD MOUNTED MACHINING

Machine	OCM
<b>Hydraulic motor</b>	Feed motor nominal speed: 95 rpm (before gear reduction)
	Cutting motor nominal speed: From 10 to 50 rpm
	Beveling motor nominal speed: From 160 to 255 rpm (adjustable rotation speed according to oil pressure and flow)
	Feed motor power: 1.1kW
	Cutter saw motor power: 35.4 kW
	Beveling motor power: 10 kW

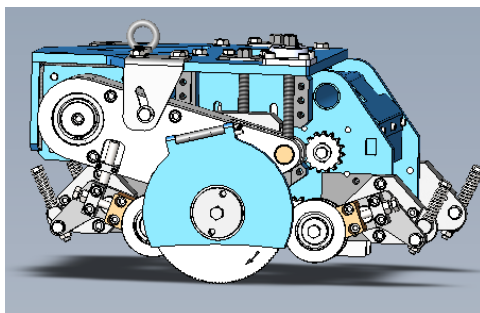
Machine	OCM
<b>Pneumatic motor</b>	Feed motor nominal speed: 95 rpm (before gear reduction)
	Cutting motor nominal speed: From 10 to 50 rpm (after gear reduction)
	Beveling motor nominal speed: From 160 to 255 rpm (after gear reduction) (adjustable rotation speed according to pressure and flow – mini recommended air supply: 6bars- Adjustable speed)
	Feed motor power: 1 kW
	Cutter saw motor power: 2 kW
	Beveling motor power: 2 kW

Other motors are available on request

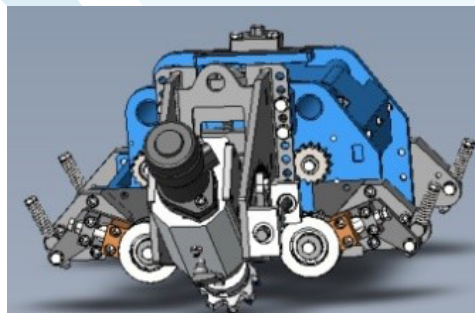
ORDER NO.	DESCRIPTION
OCM-1004	OCM with 2kW hydraulic motor and 35.4kW cutting module - Weight 386 LB ~ 175 kg.
OCM-2200	OCM with 2kW hydraulic motor and 12 kW beveling module - Weight 309 LB ~ 140 kg
OCM-1062	OCM with 2kW hydraulic motor, 35.4kW cutting module and 12 kW beveling module - Weight 486 LB ~ 220 kg
OCM-1100	OCM - Orbital cutting and beveling machine for tubes and pipe carriage only - Weight 212 LB ~ 96 kg
OCM-1005	OCM with pneumatic motor and cutting module 2kW
OCM-2202	OCM with pneumatic motor and beveling module 2Kw
OCM-1000	OCM with pneumatic motor cutting module and beveling module(2kW)
OCM-1102	OCM - Orbital cutting and beveling machine for tubes and pipe carriage only



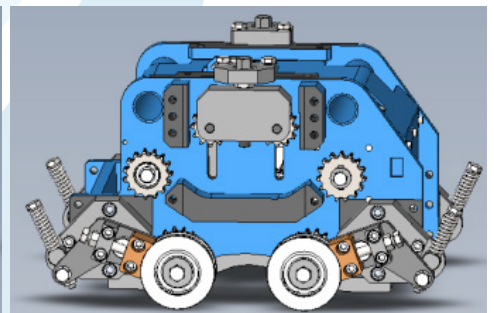
### OPTIONS:



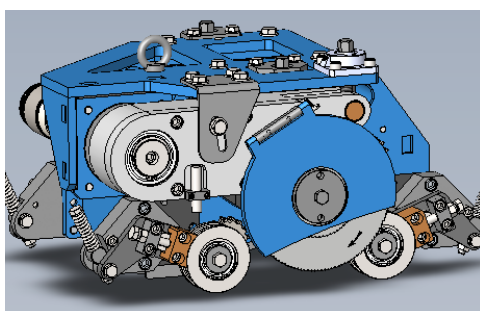
OCMHY-CC



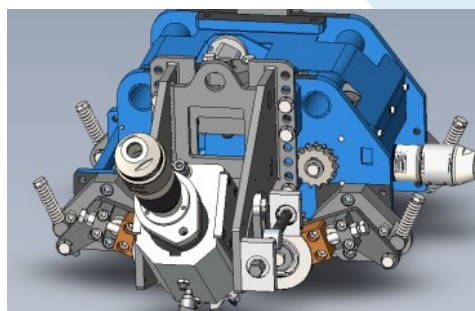
OCMHY-CF



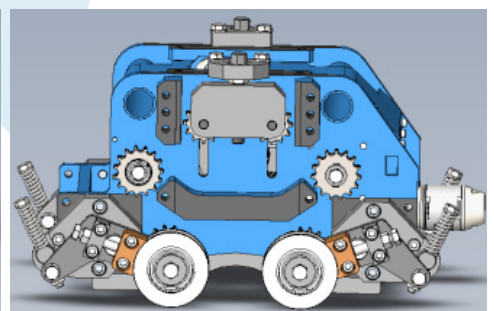
OCMHY-CH



OCMP-CC



OCMP-CF



OCMP-CH