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CESURBEND PBCM-32 Tube and Profile Bender





CESURBEND PBCM-32 – a hydraulic PLC mandrel tube bender for steel tubes and profiles with a diameter of up to 32 mm.

Hydraulic PLC Mandrel Tube Bender

CESURBEND PBCM-32 Tube and Profile Bender

Professional PLC OMRON mandrel bender for 32 × 2 mm steel tubes

CESURBEND PBCM-32 is a professional hydraulic mandrel bender designed for precise bending of steel tubes and profiles. The machine is designed for serial production, metalworking workshops, structural fabrication facilities and companies producing installations, railings and metal components.

The **PBCM-32** model enables bending steel tubes up to **32 mm** in diameter and with a wall thickness of up to **2 mm**. Mandrel technology, the hydraulic mandrel and hydraulic clamping help reduce flattening and material deformation, improving the quality and repeatability of finished components.

Tubes up to 32 × 2 mm, a bending angle of up to 190° and PLC OMRON control.

PBCM-32 is a compact mandrel bender for precise, repeatable bends in steel tubes and profiles.

Tube diameter **32 mm**

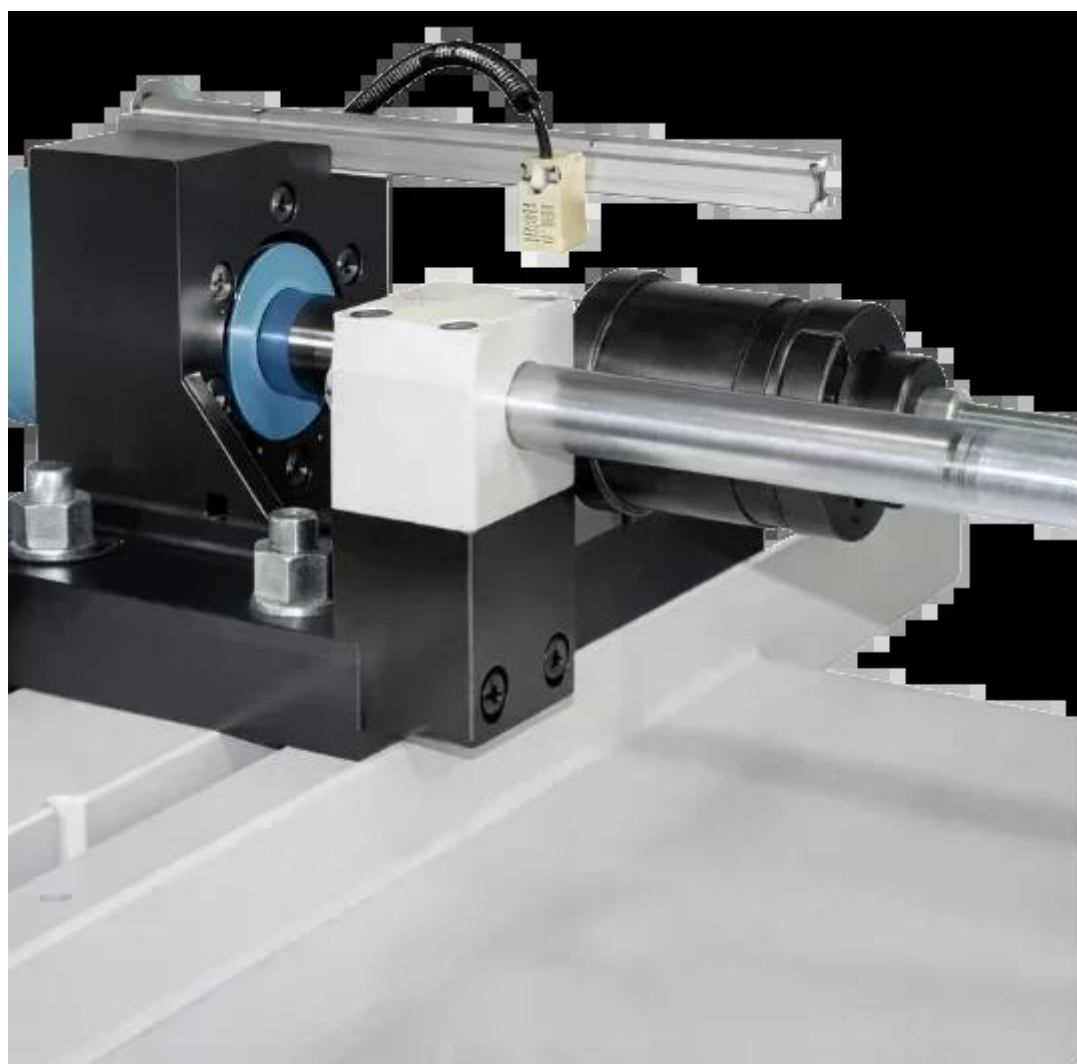
Wall thickness **2 mm**

Bending angle **190°**

Bending power **2,2 kW**

Product gallery

CESURBEND PBCM-32 mandrel tube bender photos



CESURBEND PBCM-32 machine view



Bending area, hydraulic mandrel or PLC control panel

Features

Hydraulic mandrel bender for precise tube bending



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Working range up to 32 mm – the machine is designed for bending steel tubes with a diameter of up to 32 mm.

Wall thickness up to 2 mm – suitable for the production of tubular components and profiles in workshop and serial-production work.

Mandrel technology – reduces tube flattening and helps maintain high bend quality.

Hydraulic mandrel and clamping – stabilize the material and increase bending force and repeatability.

PLC OMRON Control – enables precise process control and convenient adjustment of operating parameters.

7" Touchscreen – provides clear and convenient machine operation during production work.

100 Programs in Memory – the ability to save settings makes it easier to produce repeatable components.

Up to 10 Bends in One Cycle – the machine allows sequential bends according to programmed settings.

Operating process

How does the PBCM-32 mandrel bender work?

1

Program setup

The operator selects or saves a work program, sets the bending parameters and prepares the tube or profile for processing.

2

Hydraulic clamping and mandrel

The hydraulic system stabilizes the material, while the mandrel supports the tube from the inside, reducing deformation during bending.

3



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Precise PLC bending

PLC OMRON control manages the process, ensuring repeatable bends and high-quality finished components.

Applications

Where is the CESURBEND PBCM-32 suitable?

Serial production

- Repeatable tubular components.
- Steel components produced according to a program.
- Small and medium production runs.

Metalworking and structures

- Frames, brackets and steel structures.
- Components made from steel tubes and profiles.
- Railings, handrails and functional components.

Insteellations and metal components

- Tube insteellation components.
- Technical and workshop components.
- Precise bends without excessive material deformation.

Technical specification

Technical parameters of the CESURBEND PBCM-32 bender

Model **CESURBEND PBCM-32**

Machine type **Hydraulic PLC mandrel bender for tubes and profiles**

Control **PLC OMRON**

Screen **7" colour touchscreen**

Program memory **Up to 100 programs**

Number of bends in one cycle **Up to 10 sequential bends**

Maximum tube diameter **32 mm – steel**

Maximum wall thickness **2 mm – steel**

Maximum bending angle **190°**

Maximum bending radius **250 mm**

Maximum tube / profile length **2500 mm**



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Bending speed **8,5 obr./min**

Bending motor power **2,2 kW**

Hydraulic system power **1,5 kW**

Machine width **1000 mm**

Machine length **2800 mm**

Machine height **1150 mm**

Machine weight **600 kg**

Equipment / functions **Hydraulic mandrel, hydraulic clamping, adjustable length stop, high bending repeatability**

Applications **Bending of steel tubes and profiles, serial production, metalworking, steel structures, installations, railings and metal components**