

CESURBEND PBCM-38 tube and profile bender





CESURBEND PBCM-38 – a hydraulic PLC mandrel tube bender for steel tubes and profiles with diameters up to 38 mm.

Hydraulic PLC mandrel tube bender

CESURBEND PBCM-38 tube and profile bender

Professional mandrel tube bender for 38 × 2.5 mm steel tubes with OMRON PLC control

CESURBEND PBCM-38 is a professional hydraulic mandrel tube bender designed for precision bending of steel tubes and profiles. The machine is intended for use in production facilities, metalworking shops, fabrication workshops, and companies manufacturing railings, installations and metal components.

The **PBCM-38** model enables bending steel tubes with diameters up to **38 mm** and wall thicknesses up to **2.5 mm**. Mandrel technology, a hydraulic mandrel and hydraulic clamping help limit flattening and material deformation, improving bend quality and repeatability of finished parts.

Tubes up to 38 × 2.5 mm, bending angle up to 190° and OMRON PLC control.

PBCM-38 is a compact, more powerful mandrel tube bender for precise and repeatable bends in steel tubes and profiles.

Tube diameter **38 mm**

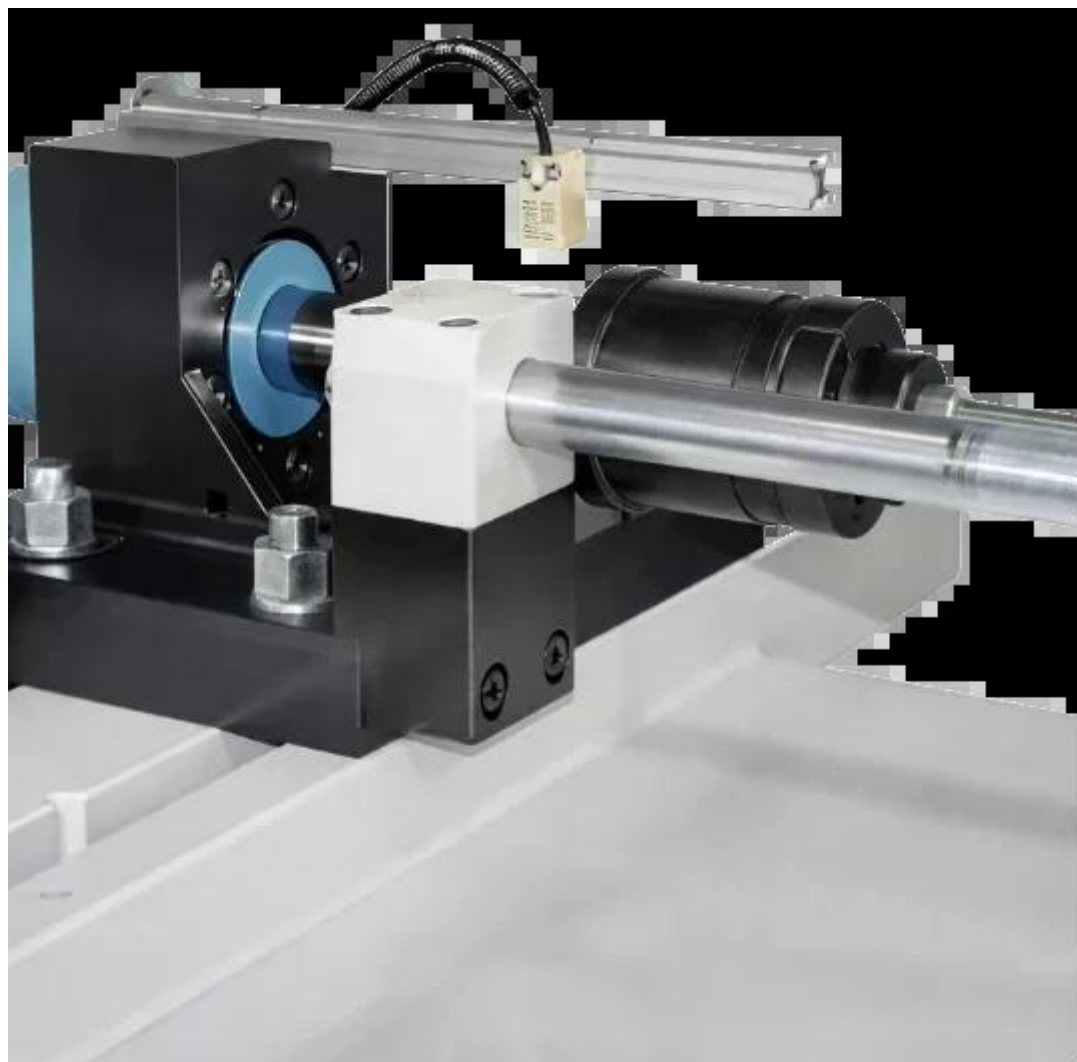
Wall thickness **2,5 mm**

Bending angle **190°**

Bending power **3 kW**

Product gallery

CESURBEND PBCM-38 mandrel tube bender photos



CESURBEND PBCM-38 machine view



Bending area, hydraulic mandrel or PLC control panel
Key features

Hydraulic mandrel tube bender for precision tube bending



KARTA PRODUKTOWA

Working range up to 38 mm — the machine is designed for bending steel tubes with diameters up to 38 mm.

Wall thickness up to 2.5 mm — suitable for manufacturing tubular components and profiles in workshop and serial production.

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

Hydraulic mandrel and clamp — stabilize the material and increase bending repeatability.

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

7-inch touchscreen — provides clear and convenient machine operation during production work.

100 programs in memory — the ability to store settings makes it easier to produce repeatable parts.

Up to 10 bends in one cycle — the machine can perform sequential bends according to programmed settings.

Operating process

How does the PBCM-38 mandrel tube bender work?

1

Program setup

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

2

Hydraulic clamp and mandrel

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

3



KARTA PRODUKTOWA

Precision PLC bending

OMRON PLC control manages the process, ensuring repeatable bends and high quality of finished parts.

Applications

Where is the CESURBEND PBCM-38 suitable?

Serial production

- Repeatable tubular components.
- Steel parts produced according to the program.
- Small and medium production batches.

Metalworking and fabrication

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

Installations and metal components

- Tube installation components.
- Technical and workshop parts.
- Precision bends without excessive material deformation.

Technical specification

Technical parameters of the CESURBEND PBCM-38 bender

Model **CESURBEND PBCM-38**

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

Control **PLC OMRON**

Screen **7-inch colour touchscreen**

Program memory **Up to 100 programs**

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

Maximum tube diameter **38 mm — steel**

Maximum wall thickness **2.5 mm — steel**

Maximum bending angle **190°**

Maximum bending radius **250 mm**

Maximum tube / profile length **2750 mm**

Bending speed **8.5 rpm**



KARTA PRODUKTOWA

Bending motor power **3 kW**

Hydraulic system power **1,5 kW**

Machine width **1000 mm**

Machine length **3000 mm**

Machine height **1100 mm**

Machine weight **650 kg**

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

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