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# CESURBEND PBCM-38 Tube and Profile Bender

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

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

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

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

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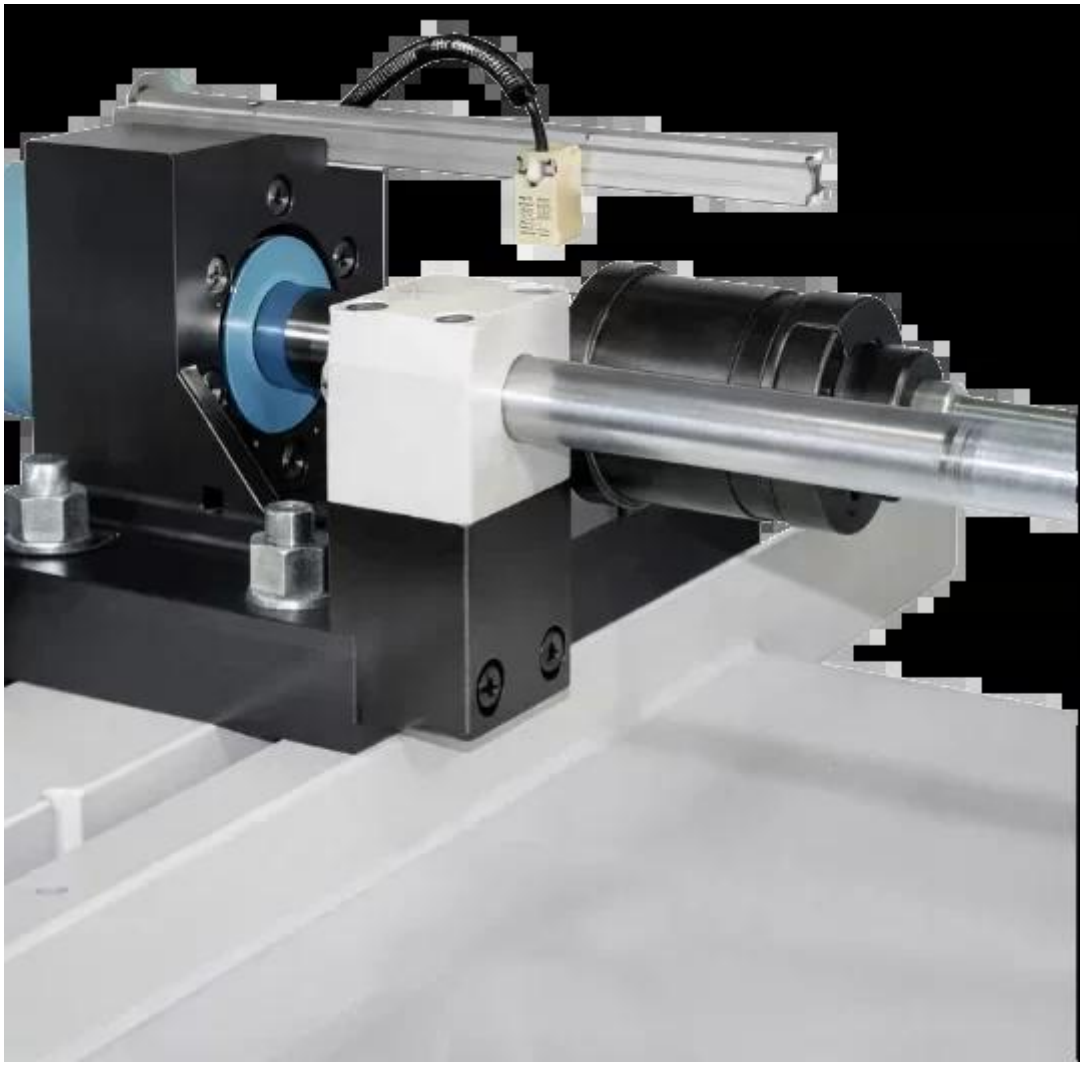
PBCM-38 is a compact, more powerful mandrel tube bender for precise, repeatable bends in steel tubes and profiles.

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

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Bending area, hydraulic mandrel, or PLC control panel

Key features

## Hydraulic Mandrel Tube Bender for Precision Tube Bending

**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 producing tube and profile components in workshop and series-production applications.

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

**Hydraulic mandrel and clamping** — stabilize the material and increase bending repeatability.

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

**7” touchscreen** — provides clear, convenient machine operation during production work.

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

**Up to 10 bends in one cycle** — the machine enables sequential bends according to programmed settings.

Working process

## How Does the PBCM-38 Mandrel Tube 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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**Precision PLC bending**

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

Applications

## Where Does the CESURBEND PBCM-38 Perform Best?

**Series production**

- Repeatable tube components.
- Steel parts produced according to a 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 components.
- Precise bends without excessive material deformation.

Technical specification

## CESURBEND PBCM-38 Technical Parameters

Model**CESURBEND PBCM-38**
Machine type**Hydraulic PLC mandrel tube bender for tubes and profiles**
Control**PLC OMRON**
Screen**7” color 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**

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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 / features**Hydraulic mandrel, hydraulic clamping, adjustable length stop, high bending repeatability**
Applications**Bending steel tubes and profiles, series production, metalworking shops, steel structures, installations, railings, and metal components**