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CESURBEND PBH-38E Tube and Profile Bender





CESURBEND PBH-38E – hydraulic PLC mandrel tube bender for precision bending of steel tubes and profiles.

Hydraulic PLC Mandrel Tube Bender

CESURBEND PBH-38E Tube and Profile Bender

Professional PLC mandrel tube bender for 32 × 3 mm steel tubes

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

The **PBH-38E** model enables bending of steel tubes up to **32 mm** in diameter and with wall thicknesses up to **3 mm**. Mandrel technology, hydraulic clamping, and OMRON PLC control help reduce tube flattening, improving bend quality and repeatability of finished parts.

Tubes up to 32 × 3 mm, bending angle up to 190°, and OMRON PLC control.

PBH-38E is a compact mandrel tube bender for precision bends, serial production, and repeatable tubular components.

Tube diameter **32 mm**

Wall thickness **3 mm**

Bending angle **190°**

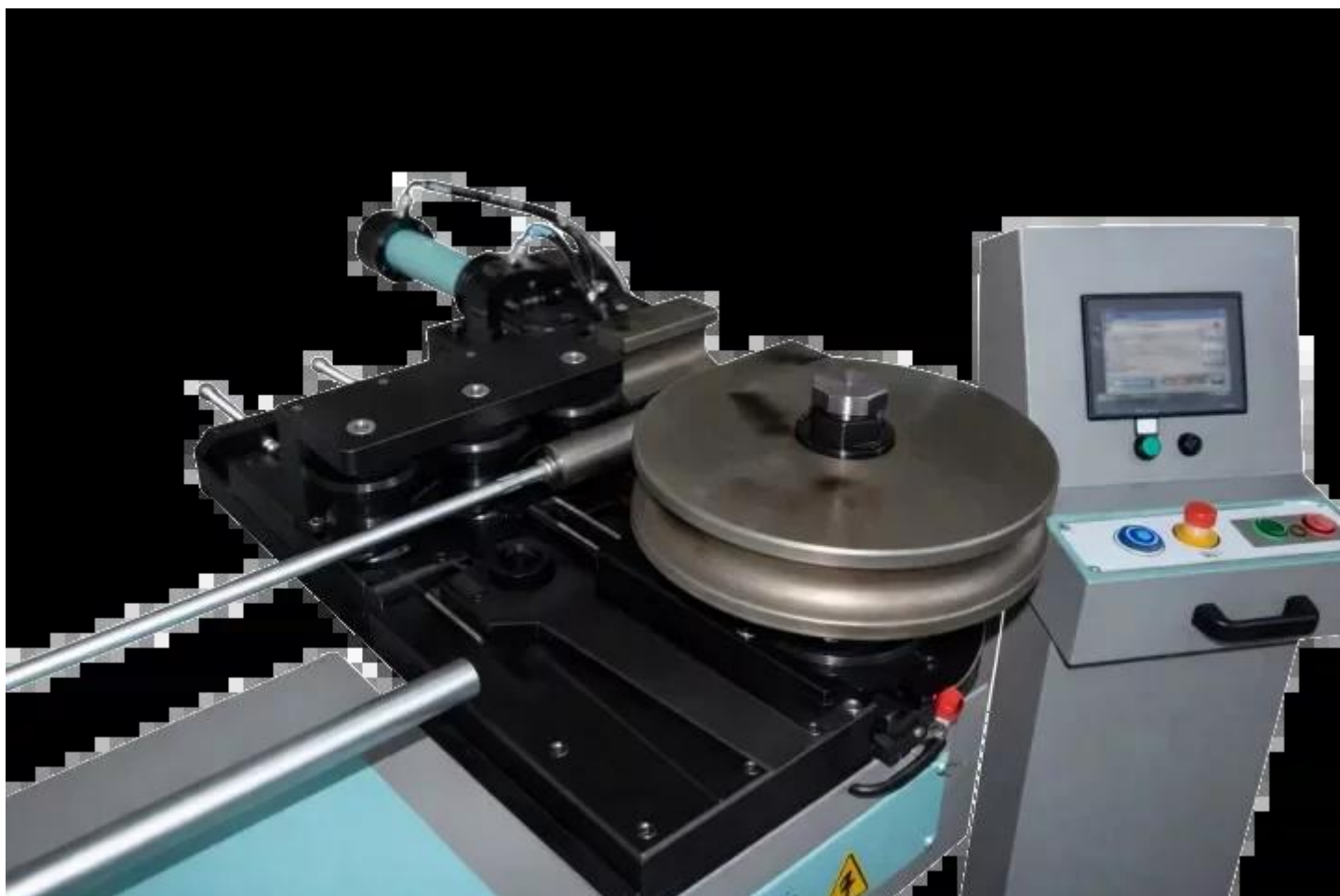
Bending power **2,2 kW**

Product gallery

Photos of the CESURBEND PBH-38E Mandrel Tube Bender



CESURBEND PBH-38E machine view



Bending area, hydraulic clamping system, or PLC control panel
Key features

Hydraulic mandrel tube bender for precision tube bending

Working range up to 32 mm — the machine is designed for bending steel tubes up to 32 mm in diameter.

Wall thickness up to 3 mm — suitable for working with steel tubes in workshop and serial production.

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

Hydraulic clamping — stabilizes the material during bending and increases process repeatability.

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



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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 parts.

Up to 10 bends in one cycle – the machine enables sequential bending according to programmed settings.

Adjustable length-setting system – facilitates material preparation and maintains dimensional repeatability.

Compact 420 kg design – the machine combines robust construction with dimensions suitable for workshops and production.

Operating process

How does the PBH-38E mandrel tube bender work?

1

Program setup

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

2

Hydraulic clamping

The hydraulic system stabilizes the material, facilitating precise tube guidance during bending.

3

Precision PLC bending

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

Applications

Where is the CESURBEND PBH-38E suitable?



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Serial production

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

Metalworking shops and structures

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

Installations and metal components

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

Technical specifications

Technical parameters of the CESURBEND PBH-38E bender

Model **CESURBEND PBH-38E**

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

Control **PLC OMRON**

Display **7" color touchscreen**

Program memory **Up to 100 programs**

Number of bends per cycle **Up to 10 sequential bends**

Maximum tube diameter **32 mm – steel**

Maximum wall thickness **3 mm**

Maximum bending angle **190°**

Maximum bending radius **250 mm**

Maximum tube / profile length **2000 mm**

Bending speed **8,5 rpm**

Bending motor power **2,2 kW**

Hydraulic system power **1,5 kW**

Machine width **1000 mm**

Machine length **2100 mm**

Machine height **1050 mm**

Machine weight **420 kg**

Equipment / features **Mandrel tube bender, hydraulic clamping, adjustable length-setting system, OMRON PLC control, 7" touchscreen, program memory, sequential bending, high repeatability**



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