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Hydraulic press brake Digima PBH 160x2000 mm 11kW 160T 2000 mm





Machine description

Hydraulic press brake PBH-160x2000 mm

11 kW / 160T – precision sheet metal bending to industrial standards

Digima PBH 160x2000 mm 11 kW 160T hydraulic press brake is a robust hydraulic press brake designed for precise sheet metal bending in single-piece, workshop and serial production.

The machine is equipped with **Estun E21**, control, which enables convenient programming of bending parameters, back gauge position, depth and working angle. This allows the operator to achieve high repeatability of parts and stable bending quality.

The bending beam movement is hydraulically driven, ensuring smooth operation, high pressing force and comfortable handling even for demanding production tasks.

T
Maximum pressing force
160 T / 1600 kN

⊠
Working bending length
2000 mm



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Motor power

11.0 kW



Control system

Estun E21

The Digima PBH-160x2000 is more than just a press brake.

It is a tool for controlling precision, safety and bending repeatability in everyday production.

Why choose the Digima PBH-160x2000?



Precision bending

Control of working parameters enables high repeatability of parts.

E21

Estun E21 controller

Easy operation, programming and control of the back gauge position.

160

High pressing force

160 tons of pressing force allows demanding bending operations to be carried out.

BHP

Work safety

Guards, limit switches and safety controls increase operator protection.

- High-precision control of the back gauge position.
- Intelligent position control for optimizing the bending process.
- Recall functions enabling quick return to previous settings.
- Automatic reference point search, reducing setup time.
- Backup and restoration of parameters using a single identifier.
- Fast position indexing for efficient serial production.
- Memory for 40 machining programs, each with up to 25 steps.



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- Power-loss protection ensuring data security and work continuity.

Technical specifications

Machine type **Press brake**

Manufacturer code **PBH-160x2000**

Brand **Digima**

Nominal pressure **1600 kN / 160 tons**

Maximum pressing force **160 t**

Working bending length **2000 mm**

Distance between columns **1500 mm**

Throat depth / reach **320 mm**

Ram stroke **160 mm**

Maximum opening height **420 mm**

X-axis / back gauge speed **80 mm/s**

Fast down speed / Y axis **60 mm/s**

Working bending speed / Y axis **15 mm/s**

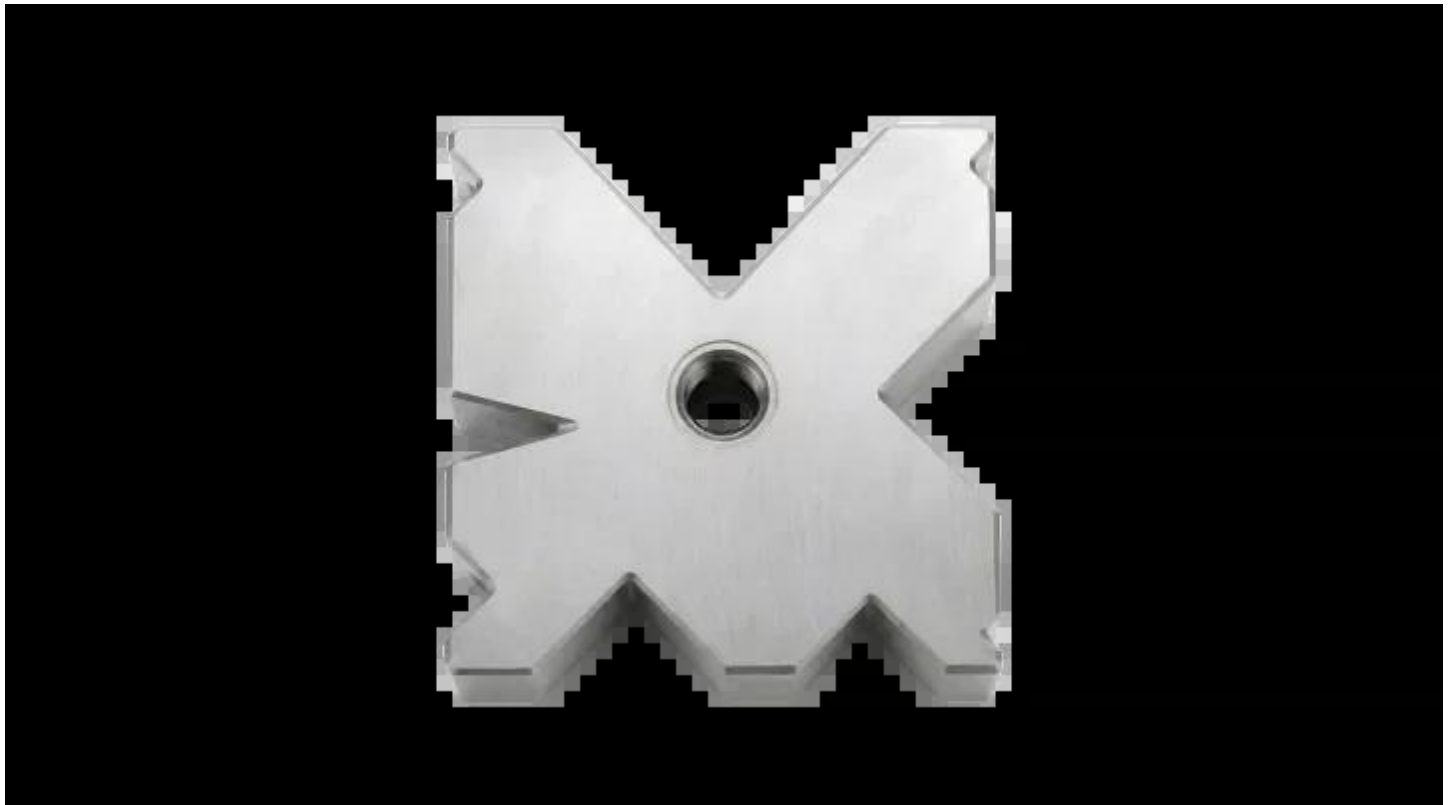
Return speed / Y axis **60 mm/s**

Motor power **11.0 kW**

Weight **8000 kg**

Dimensions L × W × H **3500 × 1650 × 2400 mm**

Bending tools included



Multi-V die

The multi-V die for the press brake is designed for bending sheet metal of various thicknesses and bending angles. It has several working grooves with different widths and radii, allowing the appropriate groove to be selected without changing the tool. Made of high-strength tool steel, it ensures durability, wear resistance and bending precision.



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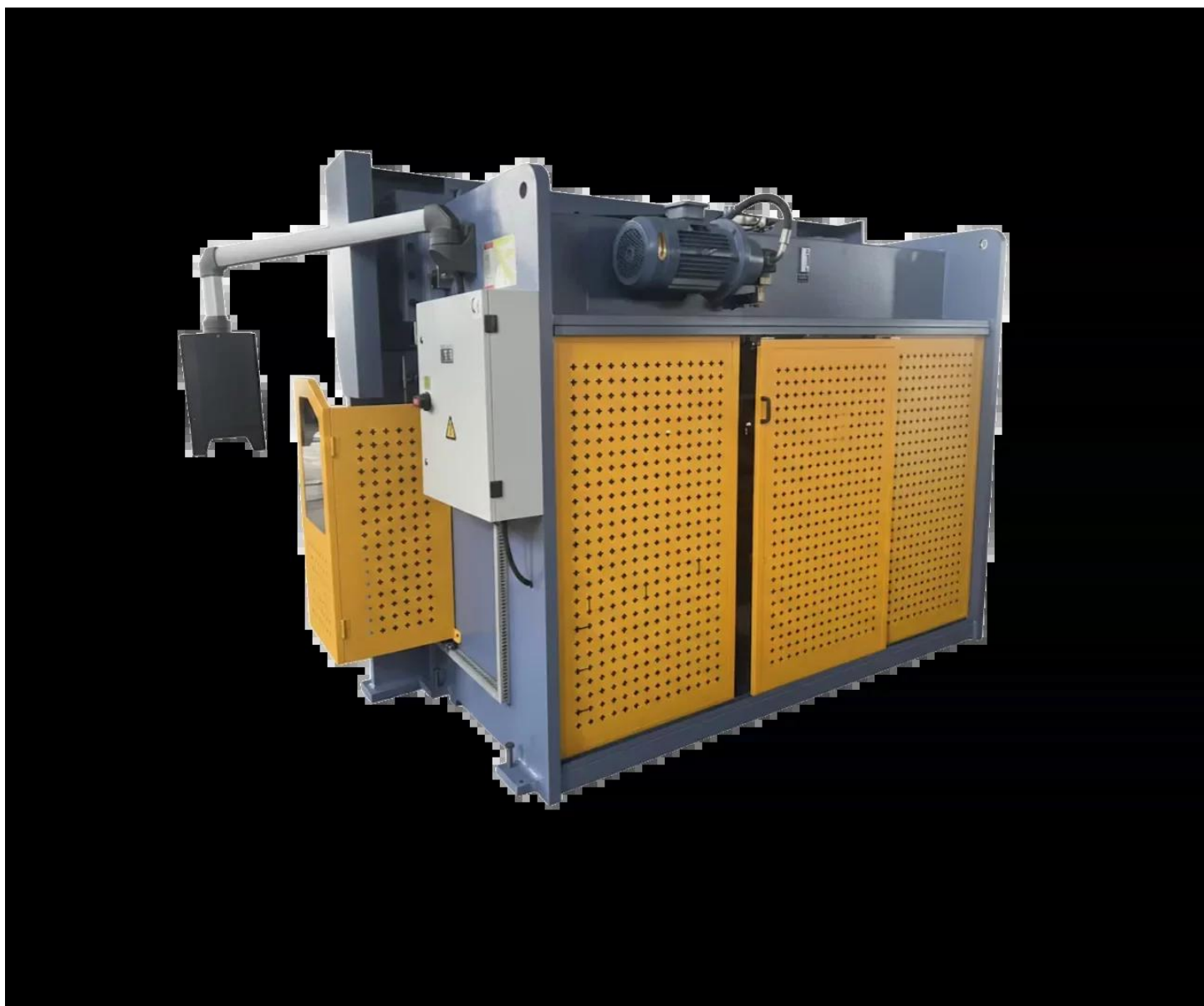
Press brake punch

The punch is designed for precise sheet metal bending according to technical documentation. The tool is made of high-grade tool steel, resistant to wear and deformation. The working profile of the punch includes bending radii and chamfers that allow the required angles and part shapes to be achieved. The set consists of 4 pieces.

Safety and control

Safety guards and Estun E21 controller

The Digima PBH-160x2000 press brake is equipped with solutions that increase operator safety, make machine operation easier and support precise control of the bending process.



Side and rear safety guards

The guards are designed to secure the machine working area. They are equipped with a safety limit switch, which immediately shuts down the machine when opened. This solution effectively prevents access to hazardous components during operation and supports compliance with health and safety requirements.



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Estun E21 controller

The Estun E21 controller enables convenient programming and control of the bending process. The operator can set working parameters, control the back gauge position and use the machining program memory. This solution increases repeatability, accuracy and comfort in everyday press brake operation.

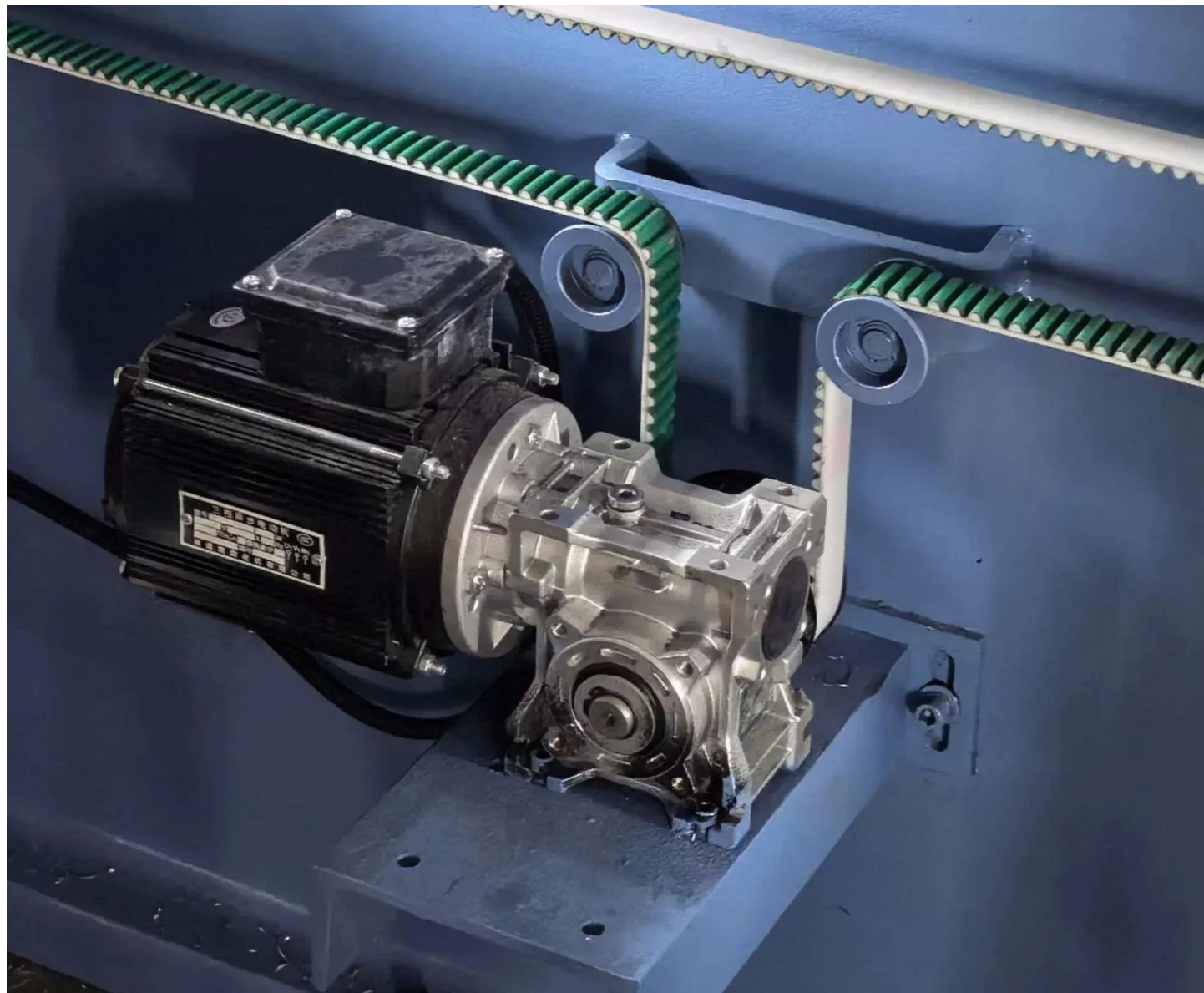
Key equipment components



Ball screws and linear guides

Precision ball screws combined with linear guides ensure smooth, accurate movement of components,

minimal play and high bending repeatability.



Timing belt

The timing belt is responsible for mechanical drive and synchronization of the machine axis movement. It ensures stable power transmission, quiet operation and precise motion control.



AMADA quick clamping

The Quick Clamping system allows tools and working elements to be changed quickly, saving time and increasing work efficiency.

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Schneider Electric and Lintech electrical cabinet

The electrical cabinet equipped with high-quality components ensures reliable power supply, precise control and installation safety.



Rexroth hydraulic manifold

The Rexroth hydraulic manifold provides precise control of oil flow in the hydraulic system and reliable operation in demanding conditions.



Back gauge fingers

The back gauge fingers are used to position the material before and during bending. The machine is equipped with 4 pieces as standard.