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Digima PBH 40X2000 mm 4kW 40T Hydraulic Press Brake





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Machine description

Hydraulic Press Brake PBH-40X2000 mm

4kW / 40T – precision sheet metal bending to industrial standards

Digima PBH 40X2000 mm 4kW 40T Hydraulic Press Brake is a robust hydraulic press brake designed for precision 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, backgauge position, depth and working angle. This allows the operator to achieve high repeatability of parts and consistent bending quality.

The bending beam is hydraulically operated, ensuring smooth performance, high pressing force and convenient operation even in demanding production tasks.

T

Maximum pressing force

40 T / 400 kN

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Bending working length

2000 mm



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Motor power

4 kW



Control

Estun E21

Digima PBH-40X2000 is more than just a press brake.

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

Why choose Digima PBH-40X2000?



Precision bending

Control of operating parameters ensures high repeatability of parts.

E21

Estun E21 Controller

Easy operation, programming and backgauge position control.

40

High pressing force

40 tonnes of pressing force enable demanding bending operations.

BHP

Operational safety

Guards, limit switches and safety control increase operator protection.

- High-precision backgauge position control.
- Intelligent position control for bending process optimization.
- Recall functions allowing fast return to previous settings.
- Automatic reference point search, reducing setup time.
- Parameter backup and restore using a single identifier.
- Fast position indexing for efficient serial production.
- Memory for 40 machining programs, each with up to 25 stages.



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- Power-loss protection, ensuring data safety and operational continuity.

Technical parameters

Model **Press Brake**

Manufacturer code **PBH-40x2000**

Brand **Digima**

Nominal pressing force **400 kN / 40 T**

Maximum pressing force **40 t**

Working table length **2000 mm**

Distance between columns **1650 mm**

Throat depth **200 mm**

Ram stroke **100 mm**

Maximum opening height **340 mm**

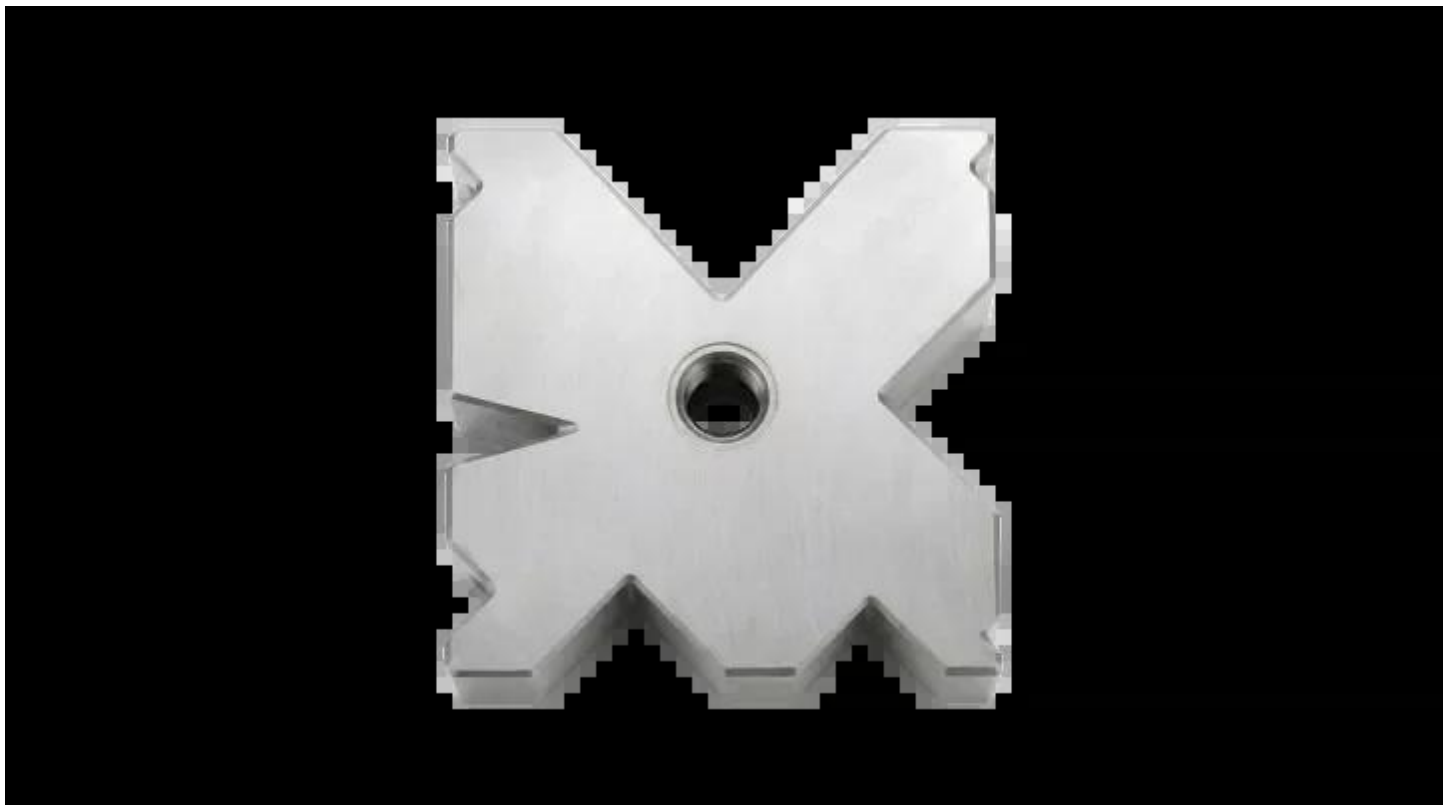
Ram adjustment range **80 mm**

Motor power **4 kW**

Weight **3300 kg**

Dimensions L × W × H **2155 × 1469 × 2000 mm**

Bending tools included





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Multi-V die

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



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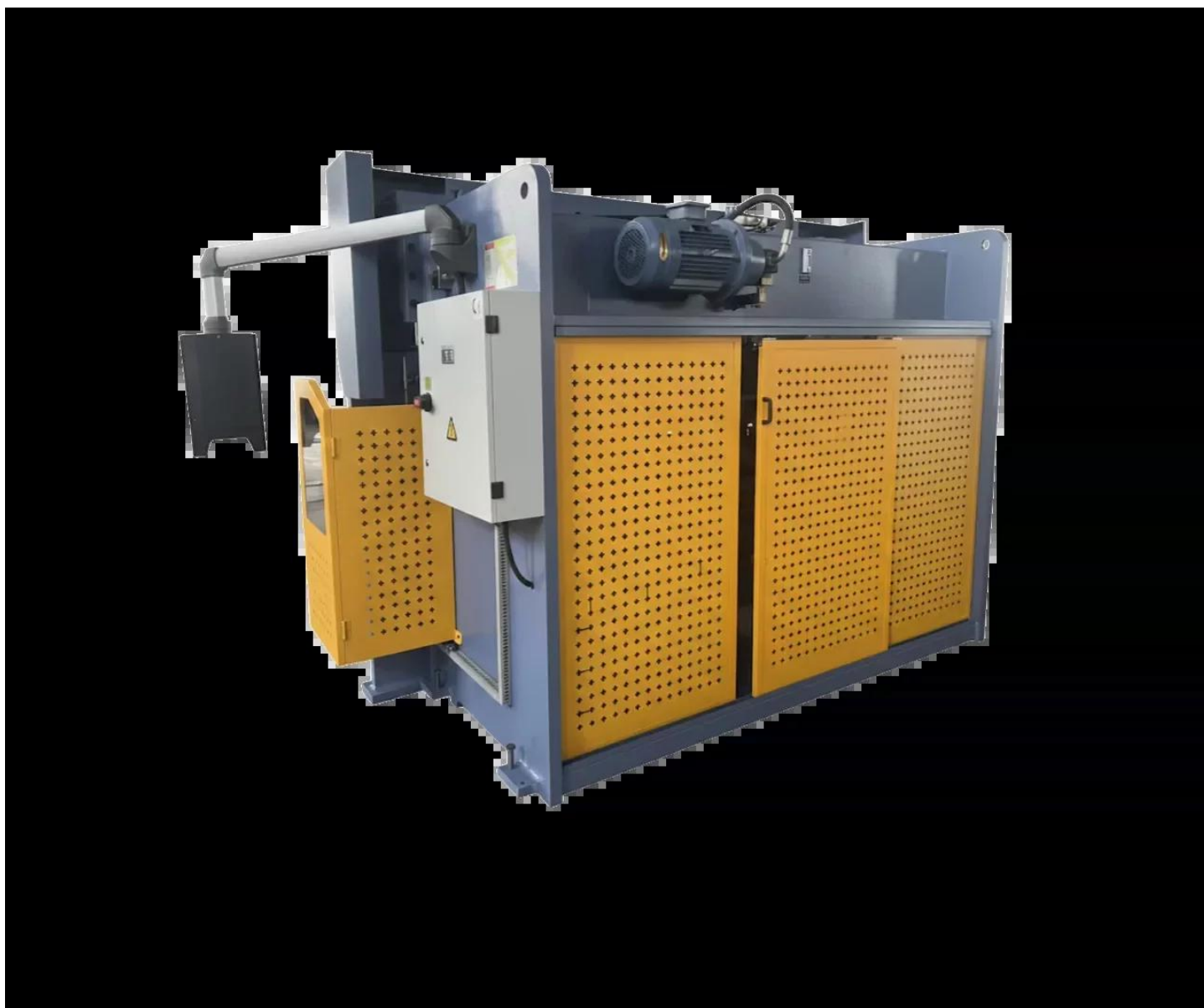
Press brake punch

The punch is designed for precision sheet metal bending in accordance with technical documentation. The tool is made from high-grade tool steel, resistant to wear and deformation. The punch working profile includes bending radii and chamfers, enabling 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-40X2000 press brake is equipped with solutions that increase operator safety, simplify machine operation 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 causes the machine to shut down immediately when opened. This solution effectively prevents access to hazardous elements during operation and supports compliance with occupational safety requirements.



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Estun E21 Controller

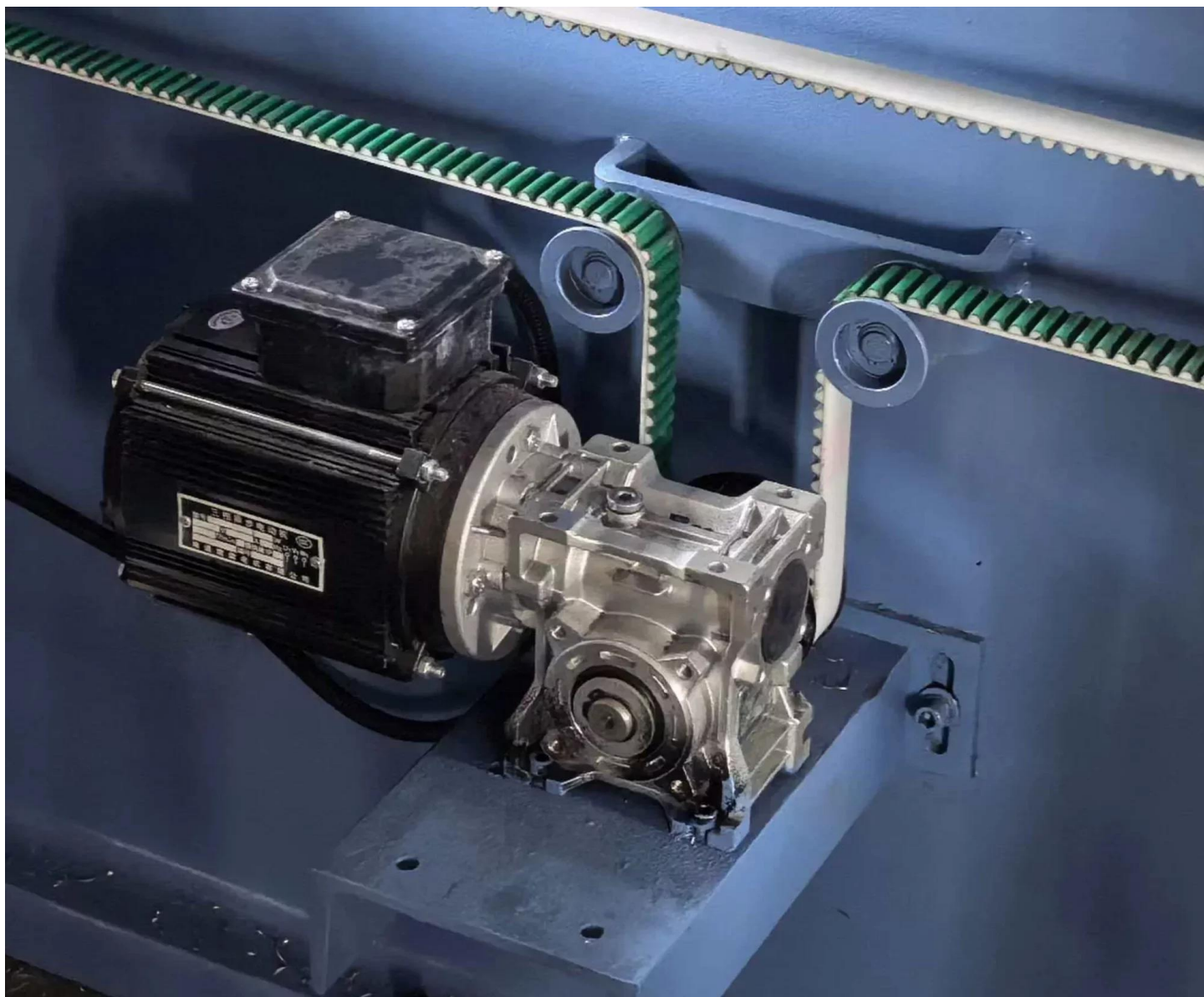
The Estun E21 controller enables convenient programming and monitoring of the bending process. The operator can set operating parameters, control the backgauge position and use the memory for machining programs. This solution increases repeatability, accuracy and everyday working comfort with the press brake.

Key equipment components



Ball screws and linear guides

Precision ball screws combined with linear guides ensure smooth, accurate component movement, minimal backlash and high bending repeatability.



Toothed belt

The toothed belt provides mechanical drive and synchronizes machine axis movement. It ensures stable power transmission, quiet operation and precise motion control.



AMADA quick clamping

The Quick Clamping system enables fast replacement of tools and working elements, saving time and increasing productivity.

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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 valve manifold

The Rexroth hydraulic valve manifold ensures precise oil-flow control in the hydraulic system and reliable operation in demanding conditions.



Backgauge fingers

Backgauge fingers are used to position material before and during bending. The machine is supplied with 4 pieces as standard.