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Digima PBH 40X2500 mm 4kW 40T hydraulic press brake





; Machine description

Hydraulic press brake PBH-40X2500 mm

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

Digima PBH 40X2500 mm 4kW 40T hydraulic press brake is a robust hydraulic press brake designed for precision sheet metal bending in individual, workshop and serial production.

The machine is equipped with **Estun E21**, 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 movement is hydraulically driven, providing smooth operation, high pressing force and comfortable operation even during demanding production tasks.

T
Maximum pressing force
40 T / 400 kN

⊠
Working bending length
2500 mm



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Motor power

4 kW



Control

Estun E21

Digima PBH-40X2500 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-40X2500?



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

Work safety

Guards, limit switches and safety control increase operator protection.

- High-precision backgauge position control.
- Intelligent position control for bending process optimisation.
- Recall functions enabling a 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 continuity of operation.

Technical specifications

Model **Press Brake**

Manufacturer code **PBH-40x2500**

Marka **Digima**

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

Maximum pressing force **40 t**

Working table length **2500 mm**

Distance between columns **2000 mm**

Throat depth **200 mm**

Ram stroke **100 mm**

Maximum opening height **340 mm**

Ram adjustment range **80 mm**

Motor power **4 kW**

Weight **3600 kg**

Dimensions L × W × H **2655 × 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 different thicknesses and bending angles. It has several working grooves with varying widths and radii, allowing the appropriate groove to be selected without changing the tool. Made of high-strength tool steel, it provides durability, wear resistance and bending precision.



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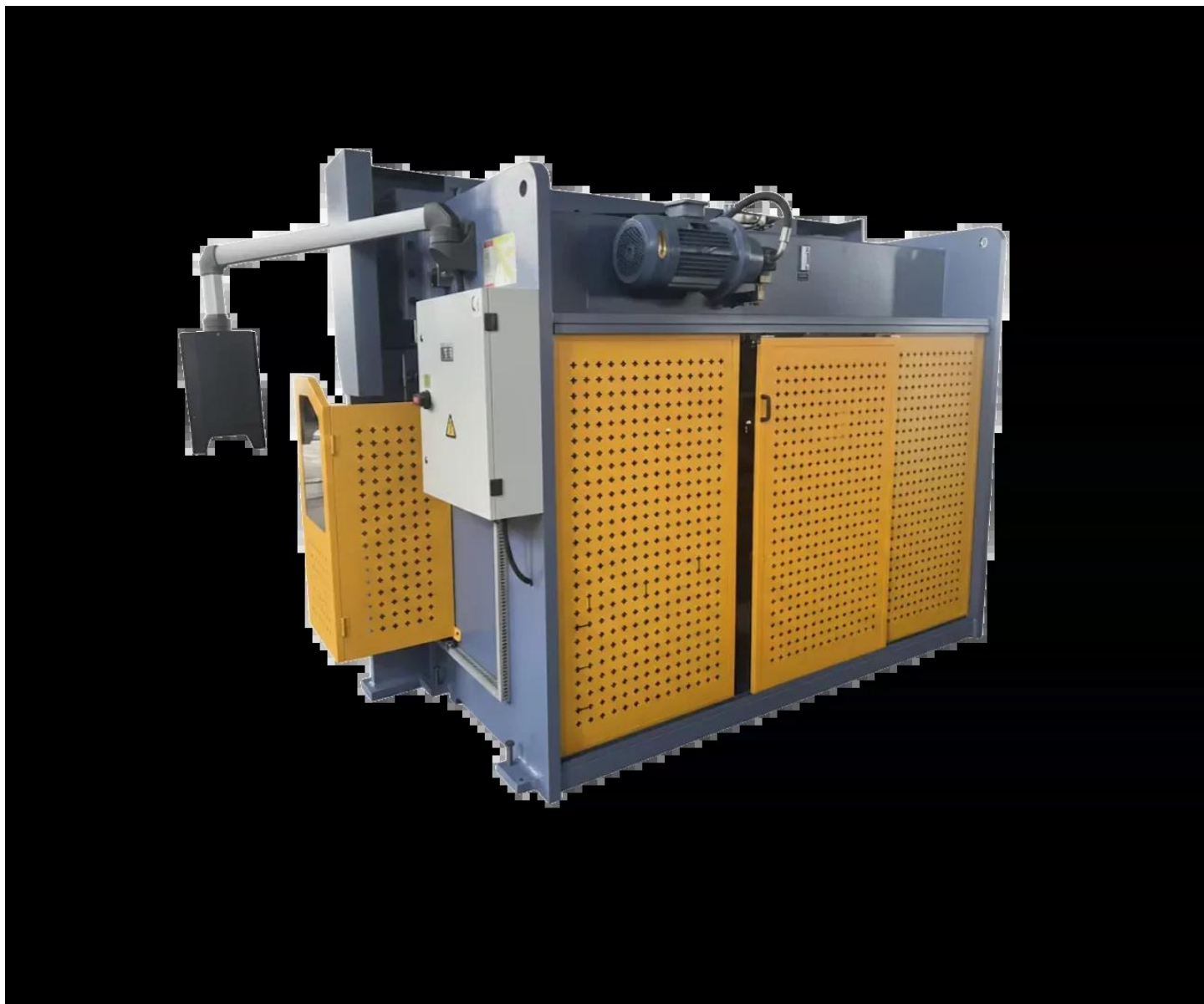
Press brake punch

The punch is designed for precision sheet metal bending in accordance with the technical documentation. The tool is made of high-grade tool steel, resistant to wear and deformation. Its 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-40X2500 press brake is equipped with solutions that increase operator safety, make the machine easier to operate and support precise control of the bending process.



Side and rear safety guards

The guards are designed to protect the machine working area. They are fitted with a safety limit switch that immediately stops the machine when opened. This solution effectively prevents access to hazardous components during operation and supports compliance with occupational 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 operating parameters, control the backgauge position and use the machining program memory. This solution increases repeatability, accuracy and day-to-day operating comfort.

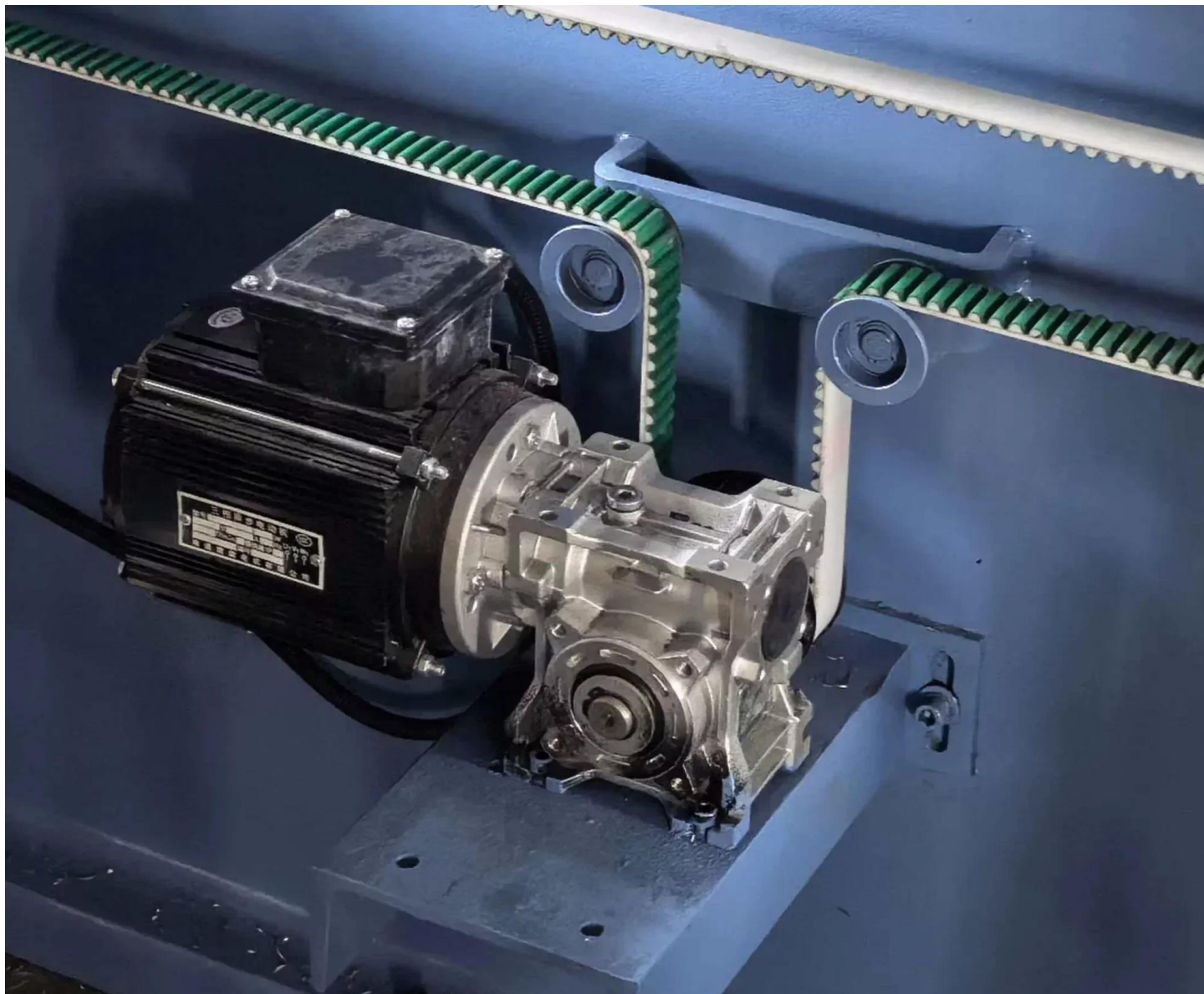
Key equipment components



Ball screws and linear guides

Precision ball screws combined with linear guides provide smooth, accurate component movement,

minimal backlash and high bending repeatability.



Timing belt

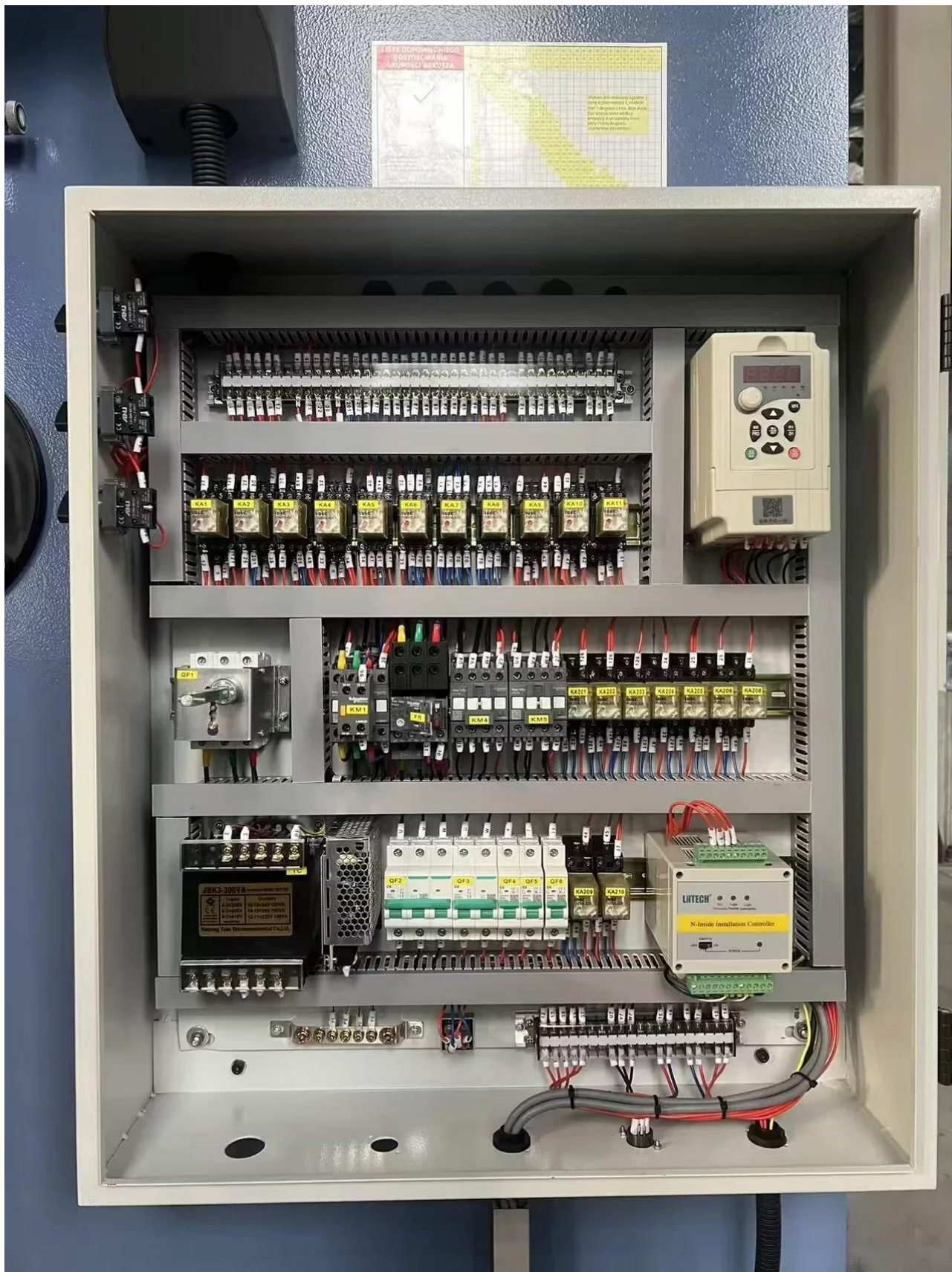
The timing belt is responsible for mechanical drive and synchronisation of the machine axes. It provides stable power transmission, quiet operation and precise motion control.



AMADA quick clamping

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

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Schneider Electric and Lintech electrical cabinet

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



Rexroth hydraulic distributor

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



Backgauge fingers

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