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Digima PBH 80x2500 mm 7.5 kW 80T Hydraulic Press Brake





; Machine description

Hydraulic Press Brake PBH-80x2500 mm

7.5 kW / 80T – precise sheet metal bending to industrial standards

Digima PBH 80x2500 mm 7.5 kW 80T Hydraulic Press Brake is a robust hydraulic press brake designed for precise sheet metal bending in individual, workshop and series 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 is hydraulically operated, ensuring smooth operation, high pressing force and comfortable handling even in demanding production tasks.

T
Maximum pressing force
80 T / 800 kN

⊠
Working bending length
2500 mm



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Motor power

7.5 kW



Control

Estun E21

Digima PBH-80x2500 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-80x2500?



Precise bending

Control of working parameters ensures high repeatability of parts.

E21

Estun E21 controller

Easy operation, programming and backgauge position control.

80

High pressing force

80 tonnes of pressing force enable demanding bending operations.

BHP

Operational safety

Guards, limit switches and safety controls enhance operator protection.

- High-precision backgauge position control.
- Intelligent position control for optimising the bending process.
- 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 series production.
- Memory for 40 machining programs, each with up to 25 steps.



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

Technical specifications

Model **Press Brake**

Manufacturer code **PBH-80x2500**

Brand **Digima**

Nominal pressing force **800 kN / 80 T**

Maximum pressing force **80 t**

Working table length **2500 mm**

Distance between columns **2010 mm**

Throat depth **250 mm**

Ram stroke **100 mm**

Maximum opening height **355 mm**

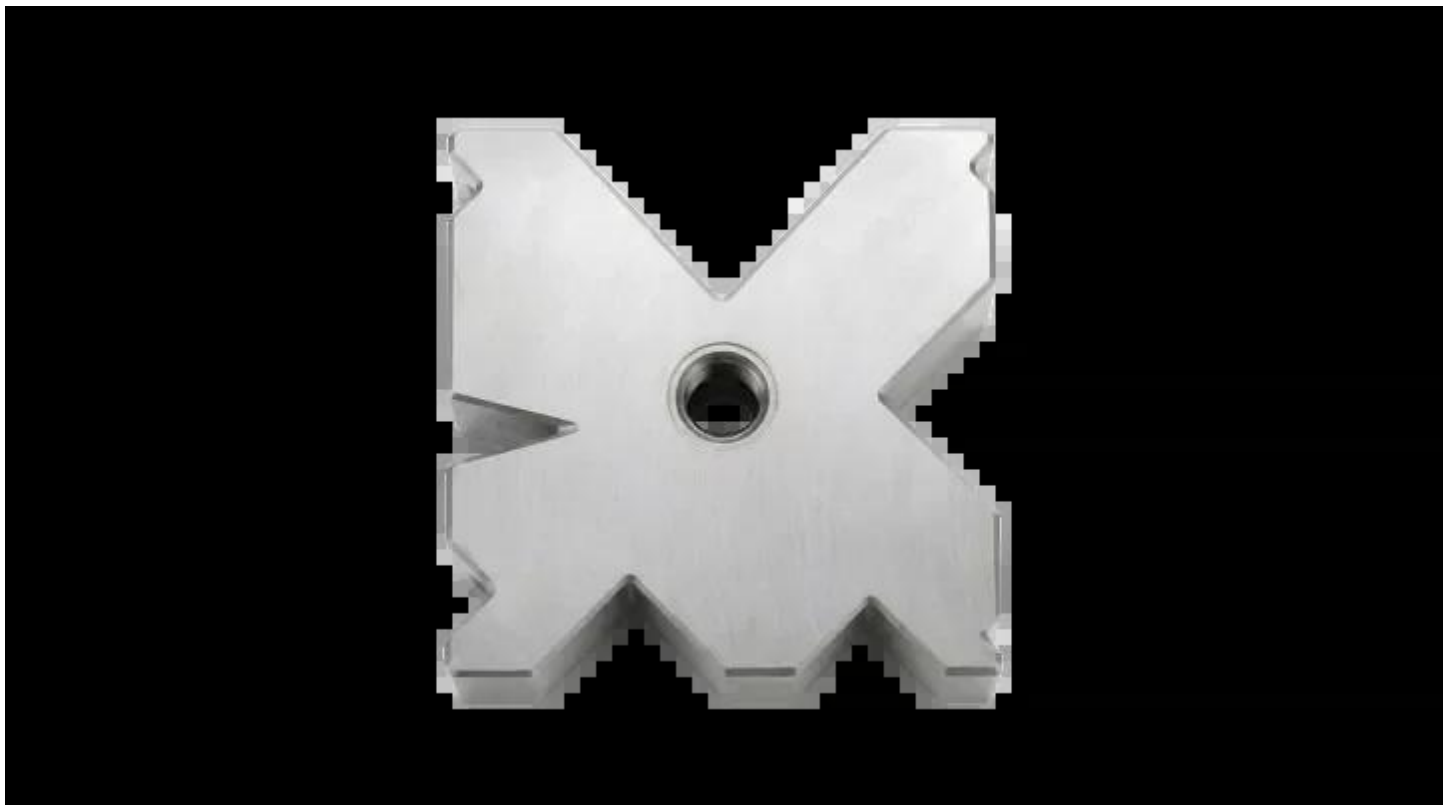
Ram adjustment range **80 mm**

Motor power **7.5 kW**

Weight **5900 kg**

Dimensions L × W × H **2604 × 1725 × 2240 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 bending angles. It features several working grooves with different widths and radii, enabling the selection of the appropriate groove without changing the tool. Made of high-strength tool steel, it provides durability, wear resistance and bending precision.



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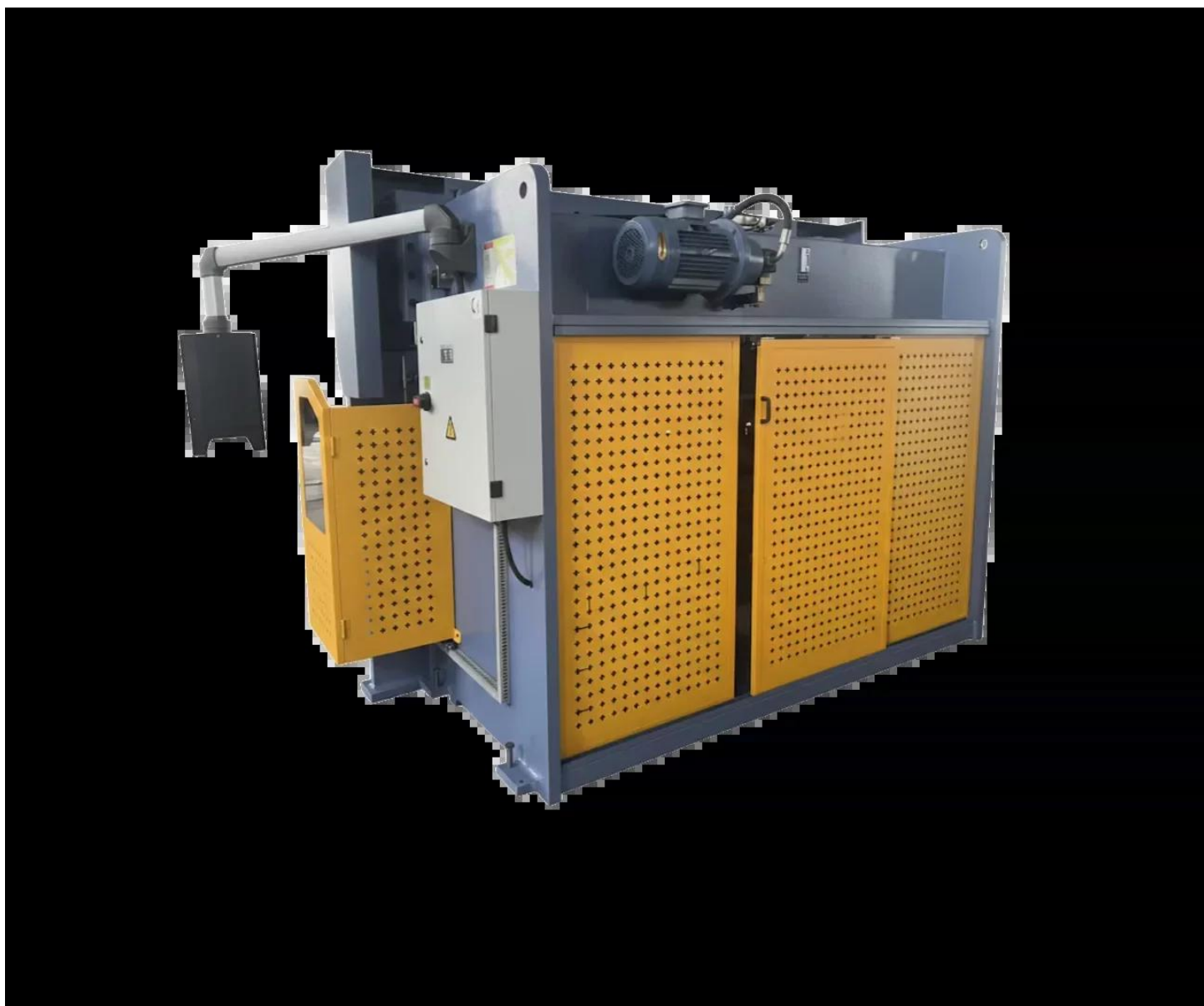
Press brake punch

The punch is designed for precise sheet metal bending according to technical documentation. The tool is made of high-grade tool steel, resistant to wear and deformation. The punch working profile features bending radii and chamfers that enable 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-80x2500 press brake is equipped with solutions that increase operator safety, facilitate machine operation 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 equipped with a safety limit switch which causes the machine to shut down immediately when opened. This solution effectively prevents access to hazardous components during operation and supports compliance with occupational 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 backgauge position and use the machining-program memory. This solution improves repeatability, accuracy and the comfort of daily work with the press brake.

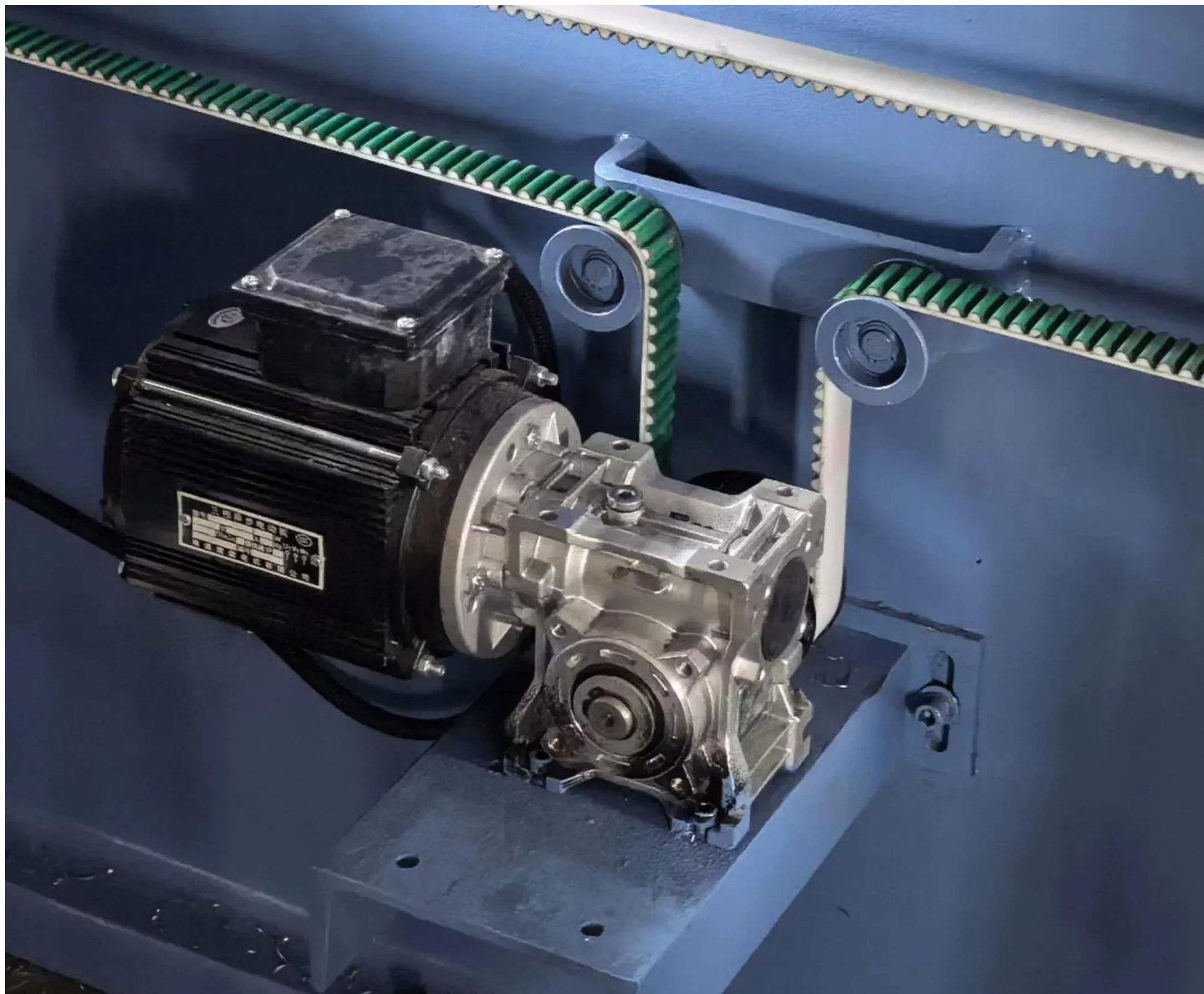
Key equipment components



Ball screws and linear guides

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

minimal backlash and high bending repeatability.



Timing belt

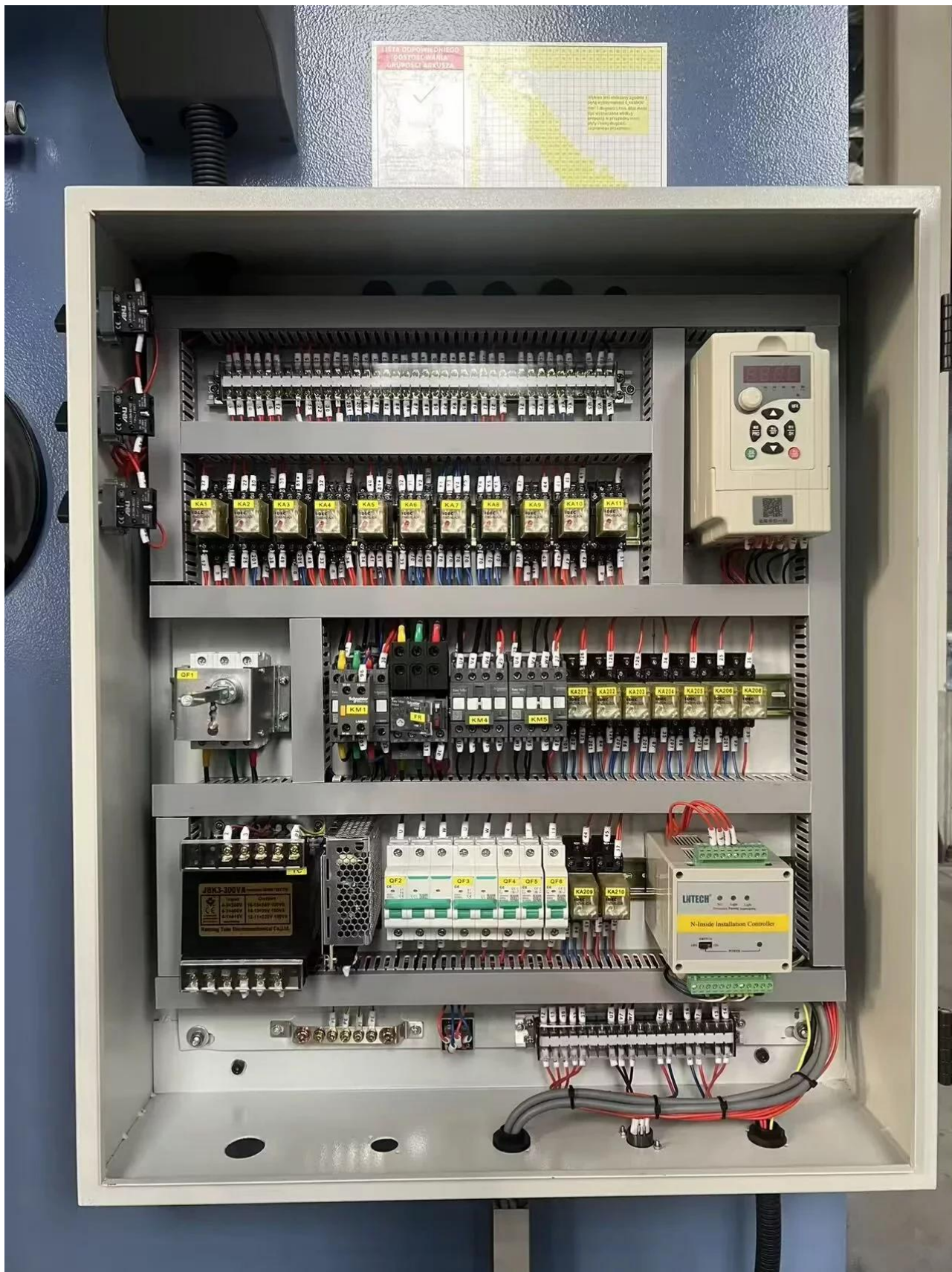
The timing belt provides mechanical drive and synchronisation of the machine axes. It ensures stable power transmission, quiet operation and precise motion control.



AMADA quick clamping

The Quick Clamping system allows tools and working components to be changed quickly, 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 manifold

The Rexroth hydraulic manifold provides precise oil-flow control within the hydraulic system and reliable operation under demanding conditions.



Backgauge fingers

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