



## KARTA PRODUKTOWA

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### **Digima PBH 125X3200 mm 7.5kW 125T 3200mm hydraulic press brake**





Machine description

### Hydraulic Press Brake PBH-125X3200 mm

7.5kW / 125T – precise sheet metal bending to industrial standards

**Digima PBH 125X3200 mm 7.5kW 125T hydraulic press brake** is a robust hydraulic bending machine designed for precise sheet metal bending in one-off, workshop and serial production.

The machine is equipped with **Estun E21** control, enabling 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 movement of the bending beam is hydraulic, ensuring smooth operation, high pressing force and comfortable handling even in demanding production tasks.

T

Maximum pressing force  
125 T / 1250 kN

×

Working bending length  
3200 mm



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Motor power

7.5 kW



Control

Estun E21

**Digima PBH-125X3200 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-125X3200?



#### Precise bending

Control of working parameters ensures high repeatability of parts.

E21

#### Estun E21 controller

Easy operation, programming and backgauge position control.

125

#### High pressing force

125 tonnes of pressing force enables demanding bending operations.

BHP

#### Work safety

Guards, limit switches and safety controls enhance operator protection.

- High-precision backgauge position control.
- Intelligent position control for bending process optimisation.
- 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 safety and operational continuity.

### Technical parameters

Model **Press Brake**

Manufacturer code **PBH-125X3200**

Marka **Digima**

Pressing force **125 T / 1250 kN**

Maximum pressing force **125 t**

Working length **3200 mm**

Distance between columns **2650 mm**

Throat depth **320 mm**

Maximum opening **415 mm**

Ram stroke **150 mm**

Ram stroke adjustment **120 mm**

Power **7.5 kW**

Weight **9800 kg**

Dimensions L × W × H **3200 × 1850 × 2690 mm**

### Bending tools included





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### **Multi-V die**

The multi-V die for the press brake is designed for bending sheet metal of various thicknesses and bending angles. It features 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 provides durability, wear resistance and bending precision.



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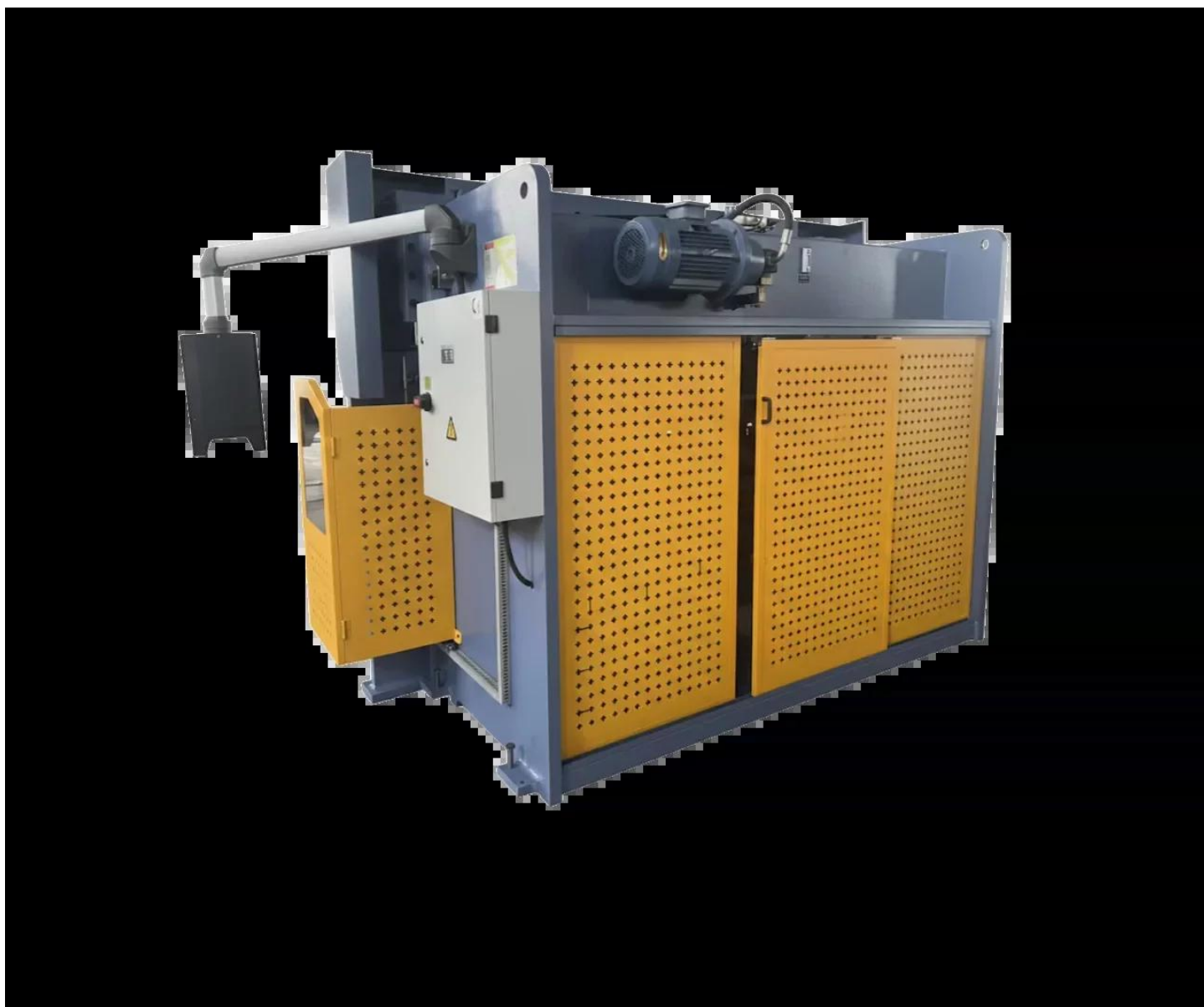
### **Press brake punch**

The punch is designed for precise sheet metal bending in accordance with 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 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-125X3200 press brake is equipped with solutions that improve operator safety, simplify 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 that causes the machine to stop immediately when opened. This solution effectively prevents access to hazardous parts during operation and supports compliance with occupational safety requirements.



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### Estun E21 controller

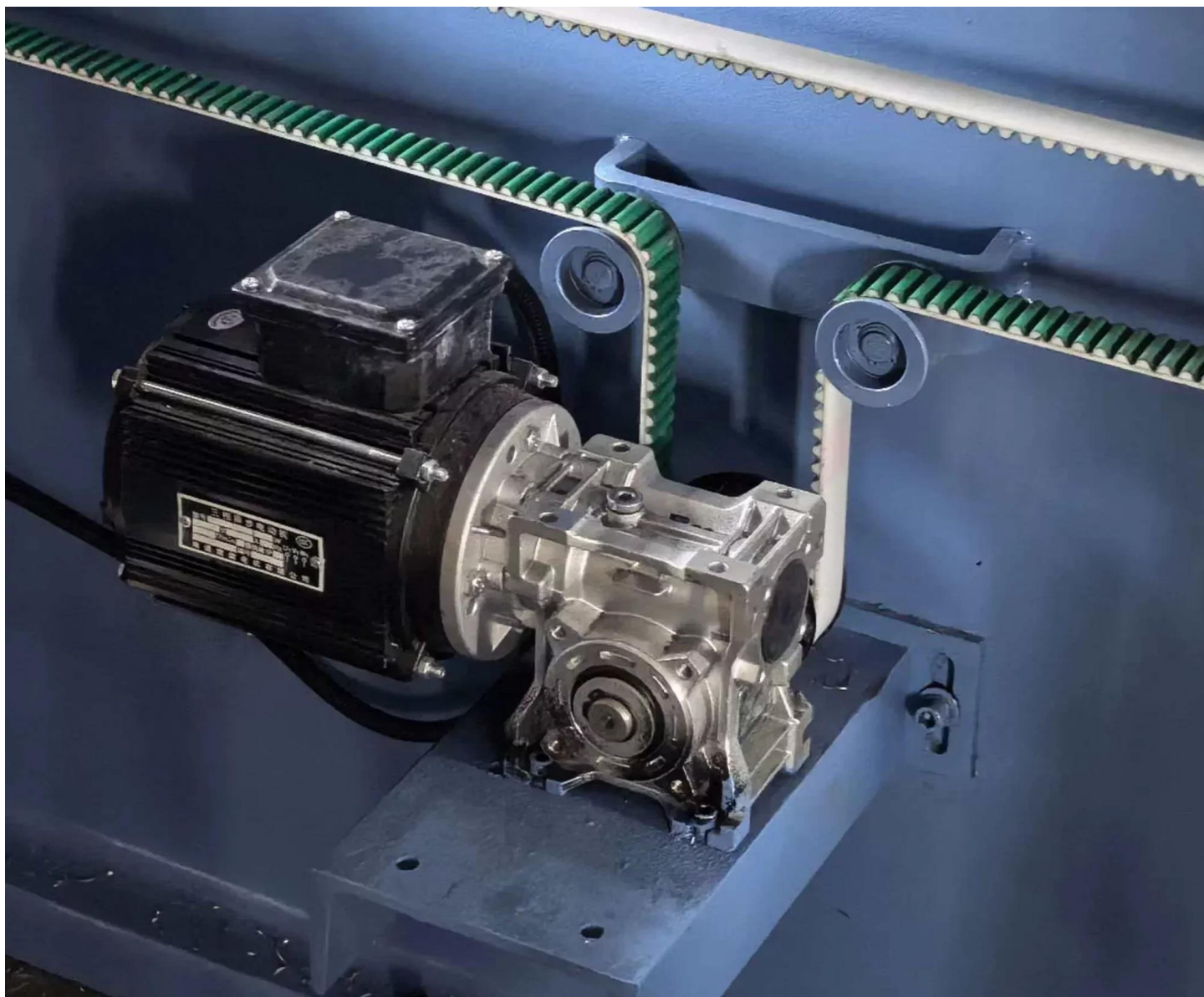
The Estun E21 controller enables convenient programming and control of the bending process. The operator can set working parameters, control the backgauge position and use the memory of machining programs. This solution improves repeatability, accuracy and the comfort of day-to-day press brake operation.

### Key equipment components



### Ball screws and linear guides liniowe

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



### Timing belt

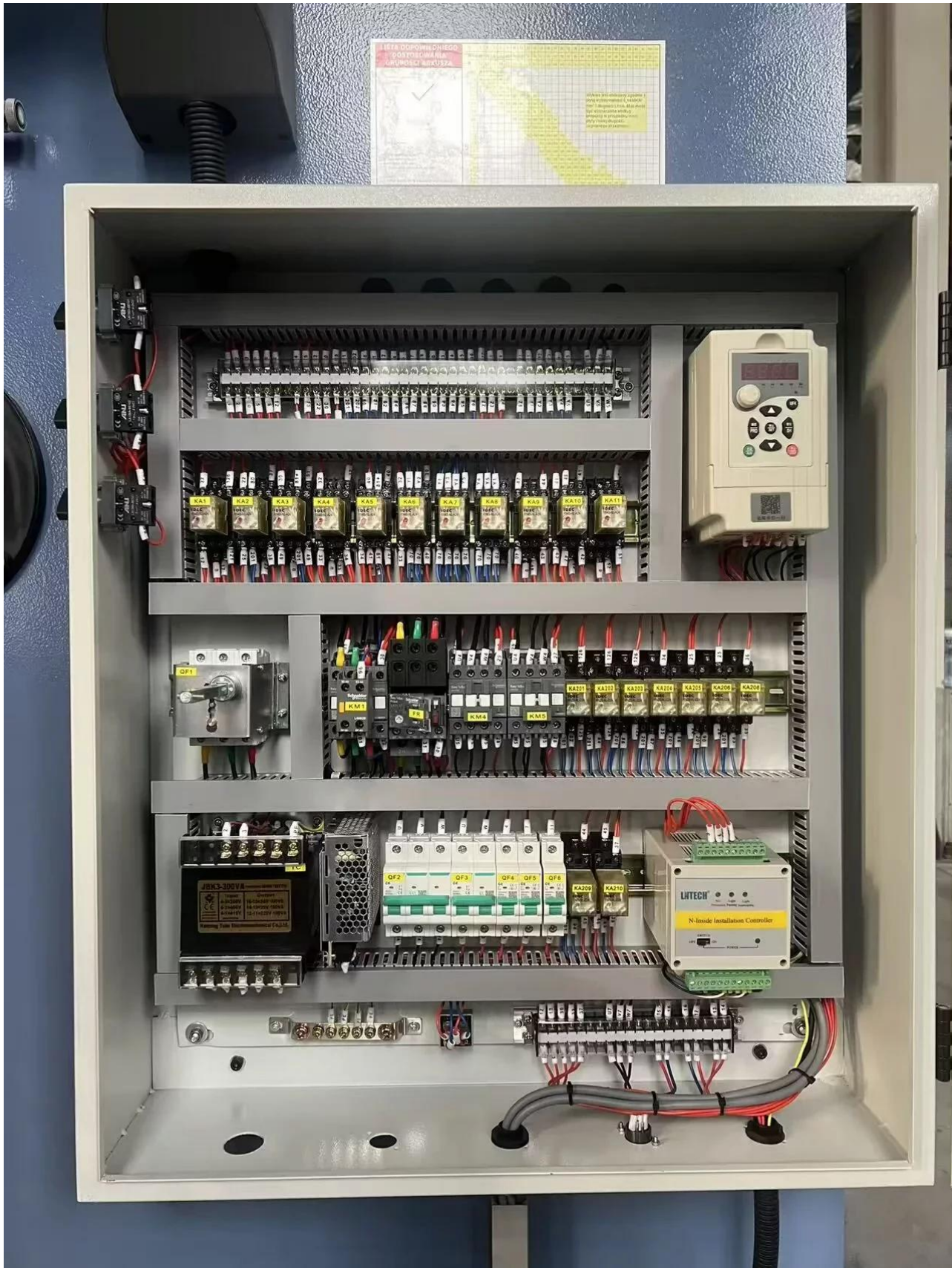
The timing belt provides mechanical drive and synchronisation of the machine axes. It ensures stable power transmission, quiet operation and precise motion control.



### **AMADA quick clamping system**

The Quick Clamping system enables fast changes 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, ensures reliable power supply, precise control and installation safety.



### **Rexroth hydraulic valve block**

The Rexroth hydraulic valve block ensures 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 equipped with 4 pieces as standard.