



KARTA PRODUKTOWA

Digima PBH 160x2500 mm 11 kW 160T Hydraulic Press Brake





; Machine description

Hydraulic Press Brake PBH-160x2500 mm

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

Digima PBH 160x2500 mm 11 kW 160T Hydraulic Press Brake is a robust hydraulic press brake designed for precision sheet-metal bending in single-piece, workshop and series 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 bending beam is hydraulically driven, ensuring smooth operation, high pressing force and comfortable handling even in demanding production tasks.

T
Maximum pressing force
160 T / 1600 kN

⊠
Working bending length
2500 mm



KARTA PRODUKTOWA



Motor power

11.0 kW



Control

Estun E21

Digima PBH-160x2500 is more than just a press brake.

It is a tool for controlling precision, safety and bending repeatability in day-to-day production.

Why choose Digima PBH-160x2500?



Precision bending

Control of operating parameters delivers high repeatability of parts.

E21

Estun E21 controller

Easy operation, programming and backgauge position control.

160

High pressing force

160 tonnes of pressing force enable demanding bending operations.

BHP

Work safety

Guards, limit switches and safety controls increase operator protection.

- High-precision control of the backgauge position.
- 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.



KARTA PRODUKTOWA

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

Technical parameters

Machine type **Press Brake**

Manufacturer code **PBH-160x2500**

Brand **Digima**

Nominal press force **1600 kN / 160 Ton**

Maximum pressing force **160 t**

Working bending length **2500 mm**

Distance between columns **2000 mm**

Throat depth / reach **320 mm**

Ram stroke **160 mm**

Maximum opening height **420 mm**

X-axis / backgauge speed **80 mm/s**

Fast approach speed / Y axis **70 mm/s**

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

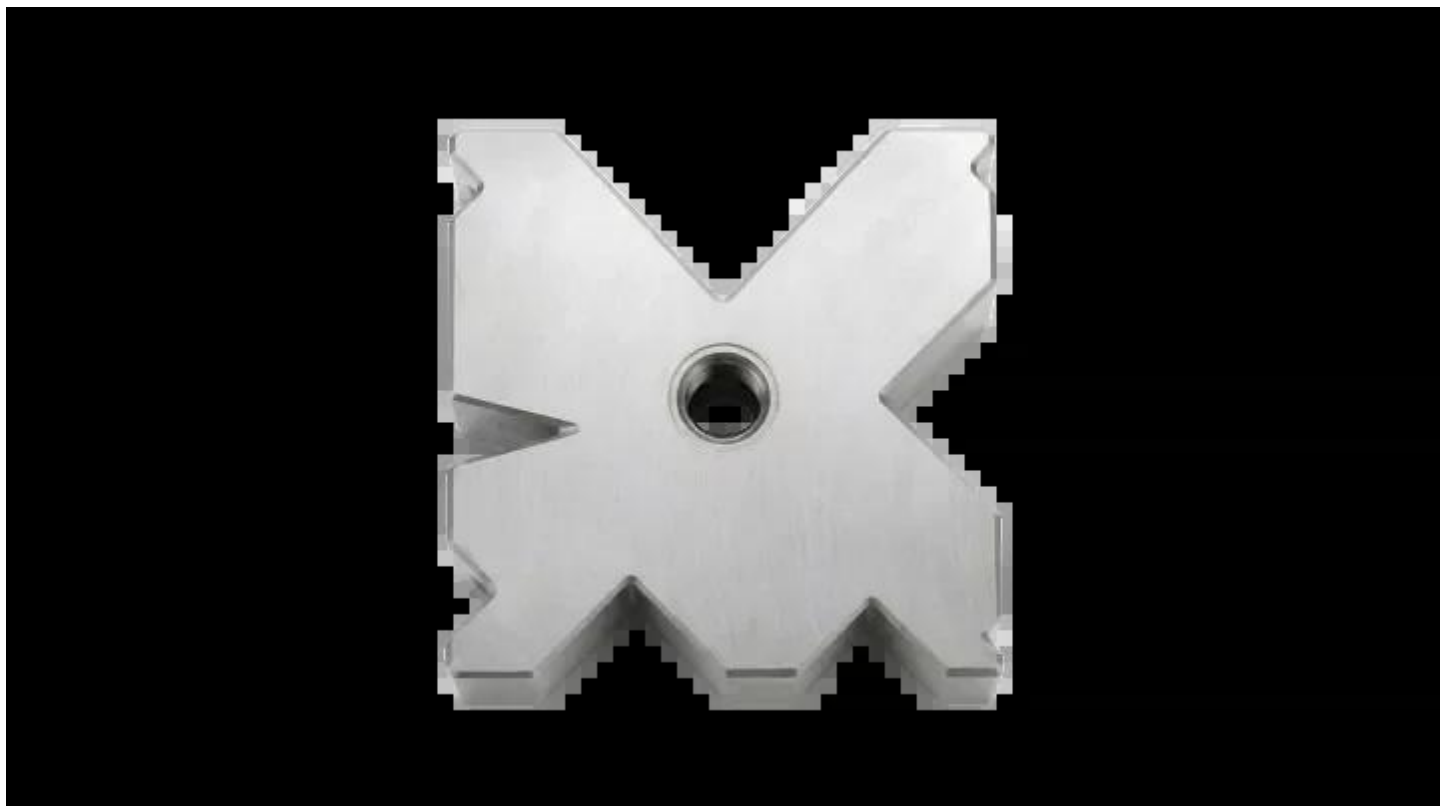
Return speed / Y axis **60 mm/s**

Motor power **11.0 kW**

Weight **8400 kg**

Dimensions L × W × H **3000 × 1650 × 2400 mm**

Bending tools included



Multi-V die

The multi-V die for the 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.



KARTA PRODUKTOWA





KARTA PRODUKTOWA

Press-brake punch

The punch is designed for precision sheet-metal bending in accordance with technical documentation. The tool is made of high-grade tool steel resistant to wear and deformation. Its working profile includes bending radii and chamfers for achieving the required angles and part shapes. The set consists of 4 pieces.

Safety and control

Safety guards and Estun E21 controller

The Digima PBH-160x2500 press brake is equipped with solutions that increase operator safety, simplify machine operation and support precise control of the bending process.





KARTA PRODUKTOWA

;

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 elements during operation and supports compliance with occupational health and safety requirements.



KARTA PRODUKTOWA



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 machining-program memory. This solution improves repeatability, accuracy and comfort in everyday press-brake operation.

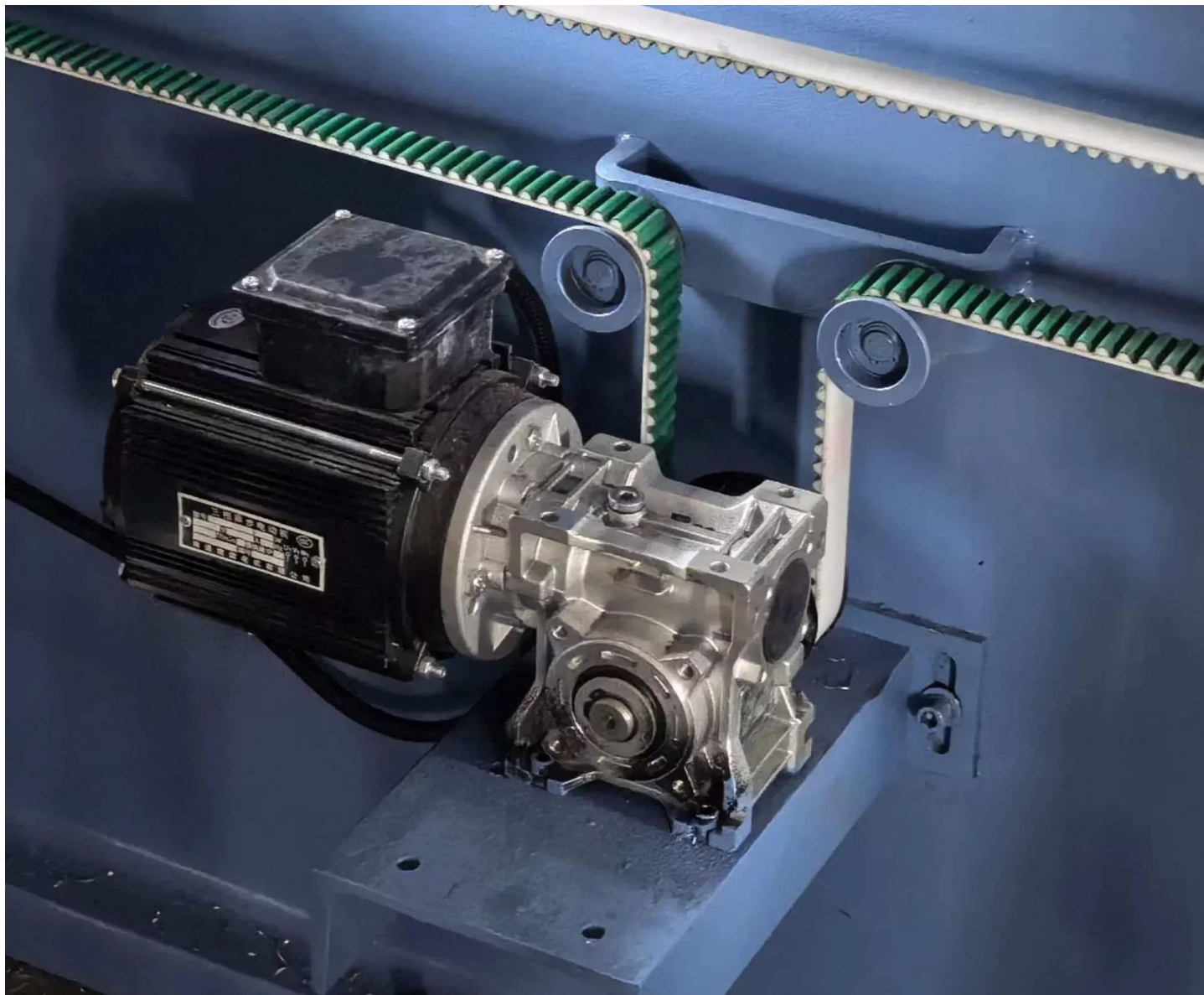
Key equipment components



Ball screws and linear guides

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

minimal 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 enables fast tool and working-component changes, saving time and increasing productivity.

KARTA PRODUKTOWA



Schneider Electric and Lintech electrical cabinet

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



Rexroth hydraulic valve

The Rexroth hydraulic valve 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 equipped with 4 pieces as standard.