



## KARTA PRODUKTOWA

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### **Digima PBH 160x3200 mm 11kW 160T Hydraulic press brake**





### Machine Description

## Hydraulic Press Brake PBH-160x3200 mm

11kW / 160T – precision sheet metal bending for industrial applications

**Hydraulic press brake Digima PBH 160x3200 mm 11kW 160T** is a robust hydraulic press brake designed for precision sheet metal bending in one-off, 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 performance, high pressing force and convenient operation even in demanding production tasks.

T

Maximum Press Force

160 T / 1600 kN

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Bending Length

3200 mm



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Motor Power

11 kW



Control

Estun E21

**Digima PBH-160x3200 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-160x3200?



#### Precision Bending

Control of working parameters delivers high part repeatability.

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

#### 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 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 continuity of operation.

### Technical Specifications

Model **Press Brake**

Manufacturer Code **PBH-160x3200**

Brand **Digima**

Nominal Press Force **1600 kN / 160 T**

Maximum Press Force **160 t**

Working Table Length **3200 mm**

Distance Between Columns **2540 mm**

Throat Depth **320 mm**

Ram Stroke **200 mm**

Maximum Open Height **455 mm**

Ram Adjustment Range **160 mm**

Motor Power **11 kW**

Weight **14000 kg**

Dimensions L × W × H **3280 × 1940 × 2630 mm**

### Bending Tools Included





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### Multi-V Die

A 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, enabling selection of the appropriate groove without changing the tool. Made of high-strength tool steel, it ensures durability, wear resistance and bending precision.



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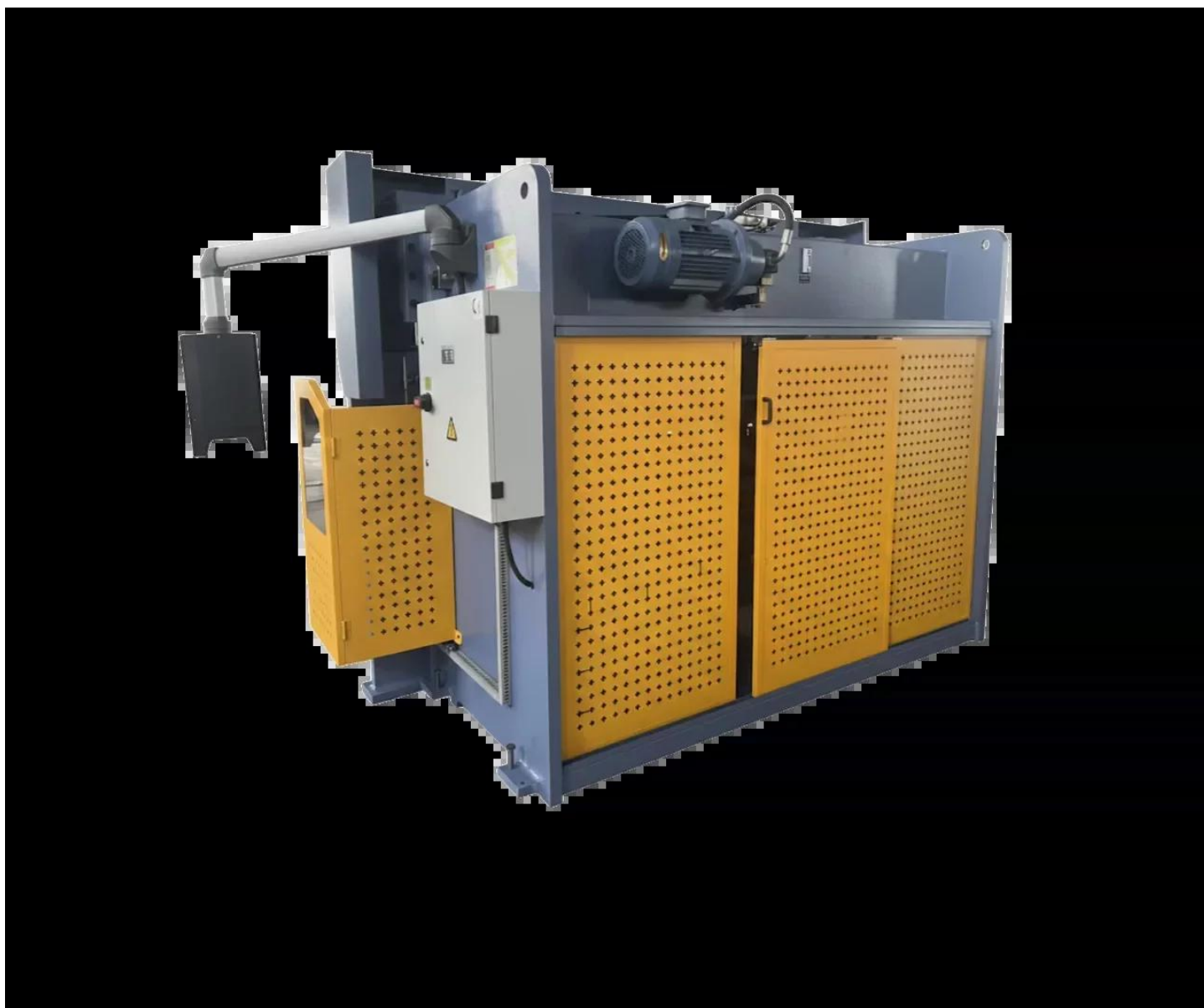
### **Press Brake Punch**

The punch is designed for precision sheet metal bending in accordance with technical documentation. The tool is made 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-160x3200 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's working area. They are fitted with a safety limit switch that immediately shuts down the machine when opened. This solution effectively prevents access to hazardous components during operation and supports compliance with health and safety requirements.



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### Estun E21 Controller

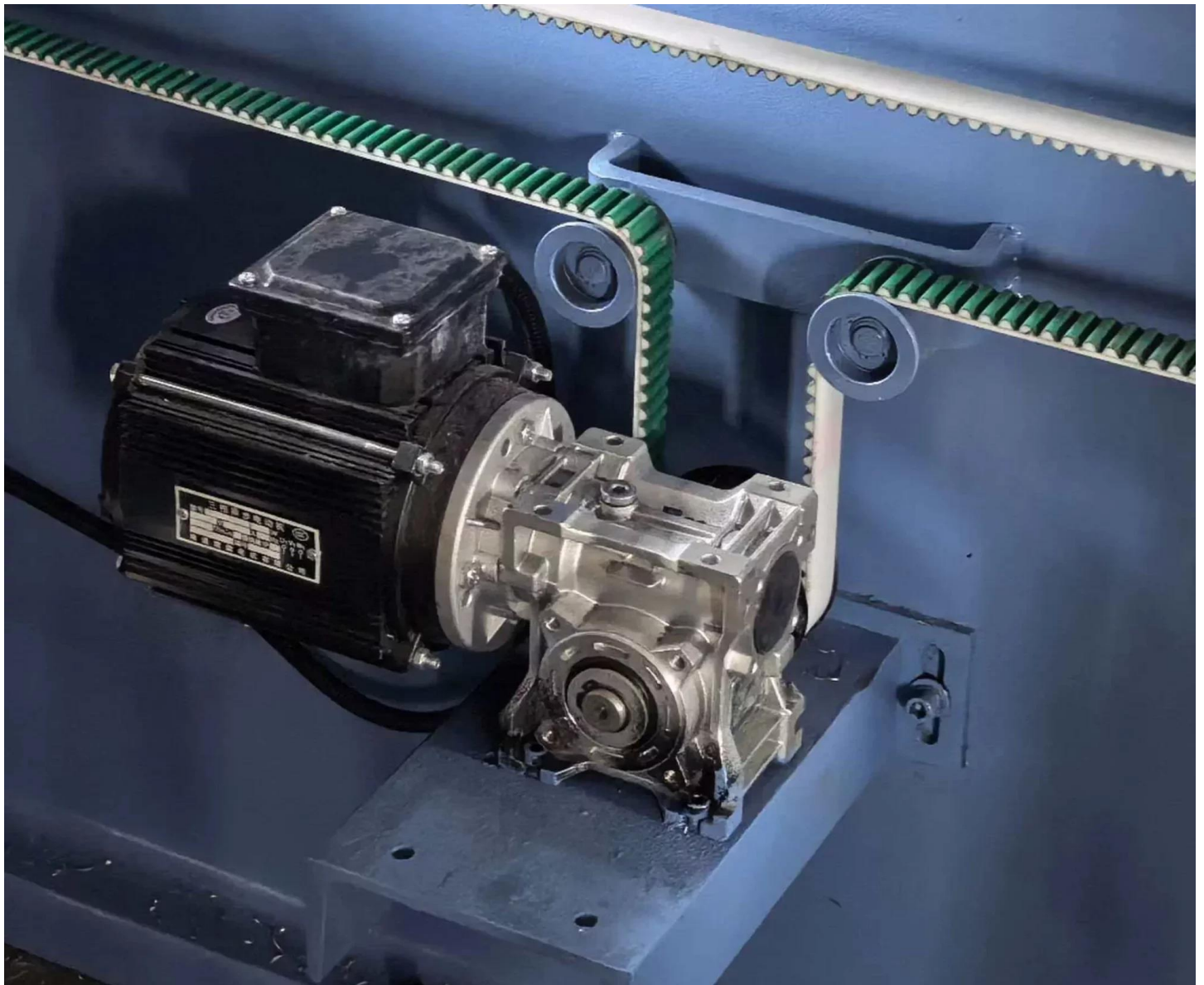
The Estun E21 controller enables convenient programming and control of the bending process. The operator can set working parameters, control the backgauge position and use the machining program memory. This solution improves repeatability, accuracy and day-to-day operating comfort of the press brake.

### 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.



### Toothed Belt

The toothed belt is responsible for the 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 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 Manifold**

The Rexroth hydraulic manifold provides precise oil-flow control 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 units as standard.