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Digima PBH 40x3200 mm 5.5kW 40T Hydraulic Press Brake





Machine Description

Hydraulic Press Brake PBH-40x3200 mm

5.5kW / 40T – precise sheet metal bending to industrial standards

Digima Hydraulic Press Brake PBH 40x3200 mm 5.5kW 40T is a robust hydraulic press brake designed for precise sheet metal bending in one-off, 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 is hydraulically driven, ensuring smooth operation, high pressing force and convenient operation even in demanding production tasks.

T

Maximum Pressing Force

40 T / 400 kN

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Bending Length

3200 mm



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Motor Power

5.5 kW



Control

Estun E21

Digima PBH-40x3200 is more than just a press brake.

It is a tool for controlling precision, safety and bending repeatability in everyday production.

Why Digima PBH-40x3200?



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 tons of pressing force enable demanding bending operations.

BHP

Work Safety

Guards, limit switches and safety controls increase operator protection.

- High-precision backgauge position control.
- Intelligent position control for bending process optimization.
- 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.



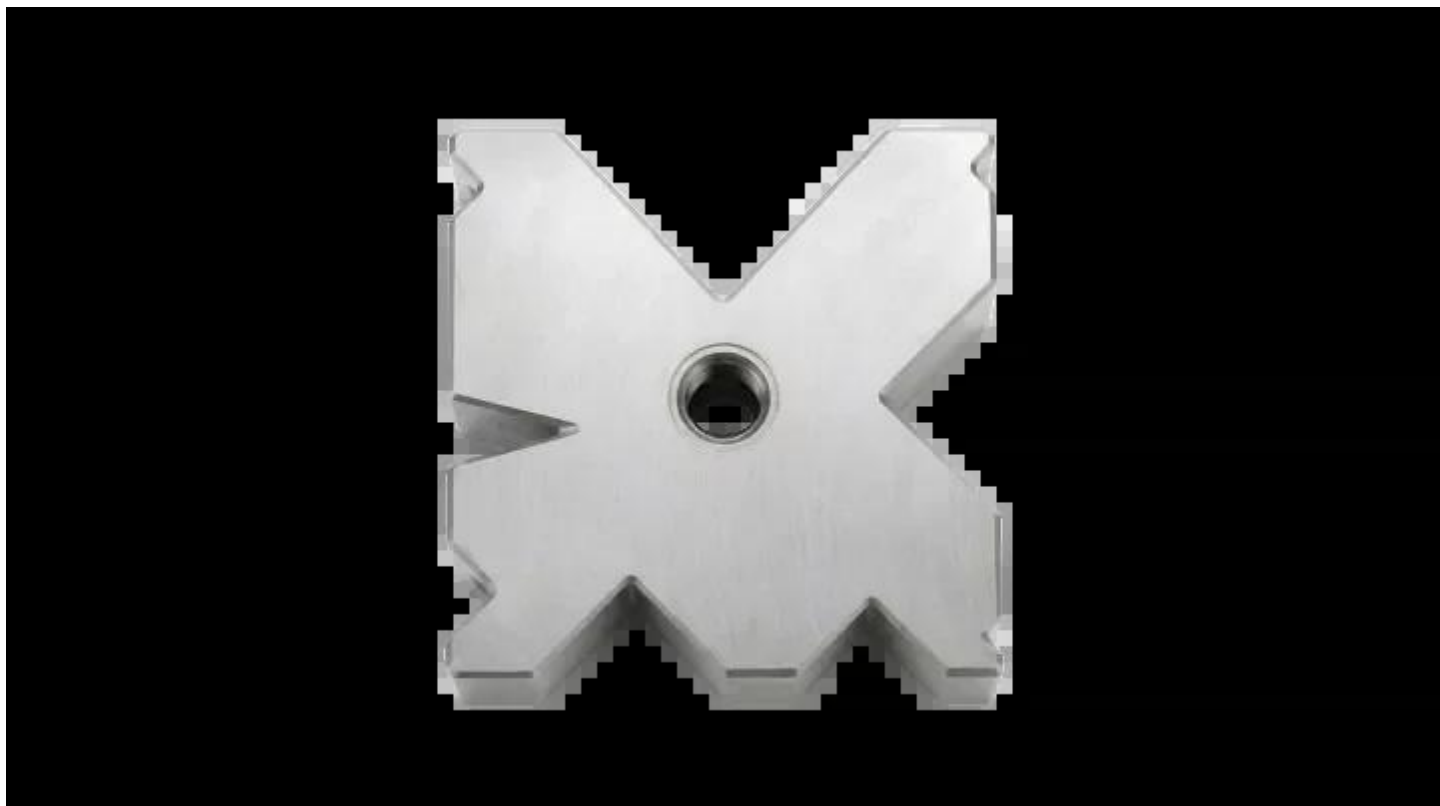
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- Power-loss protection ensuring data safety and continuity of operation.

Technical Parameters

Machine Type **Press Brake**
Manufacturer Code **PBH-40x3200**
Brand **Digima**
Nominal Press Force **400 kN / 40 Ton**
Maximum Pressing Force **40 t**
Bending Length **3200 mm**
Distance Between Columns **2500 mm**
Throat Depth / Reach **200 mm**
Ram Stroke **90 mm**
Maximum Open Height **300 mm**
X-axis / Backgauge Speed **80 mm/s**
Fast Descent Speed / Y-axis **70 mm/s**
Bending Working Speed / Y-axis **15 mm/s**
Return Speed / Y-axis **60 mm/s**
Motor Power **5.5 kW**
Weight **4300 kg**
Dimensions L × W × H **3700 × 1500 × 1950 mm**

Bending Tools Included



Multi-V Die

The multi-V die for press brakes is designed for bending sheet metal of different thicknesses and bending angles. It features several working grooves with different widths and radii, allowing selection of the appropriate groove without replacing the tool. Made of high-strength tool steel, it ensures durability, wear resistance and bending precision.



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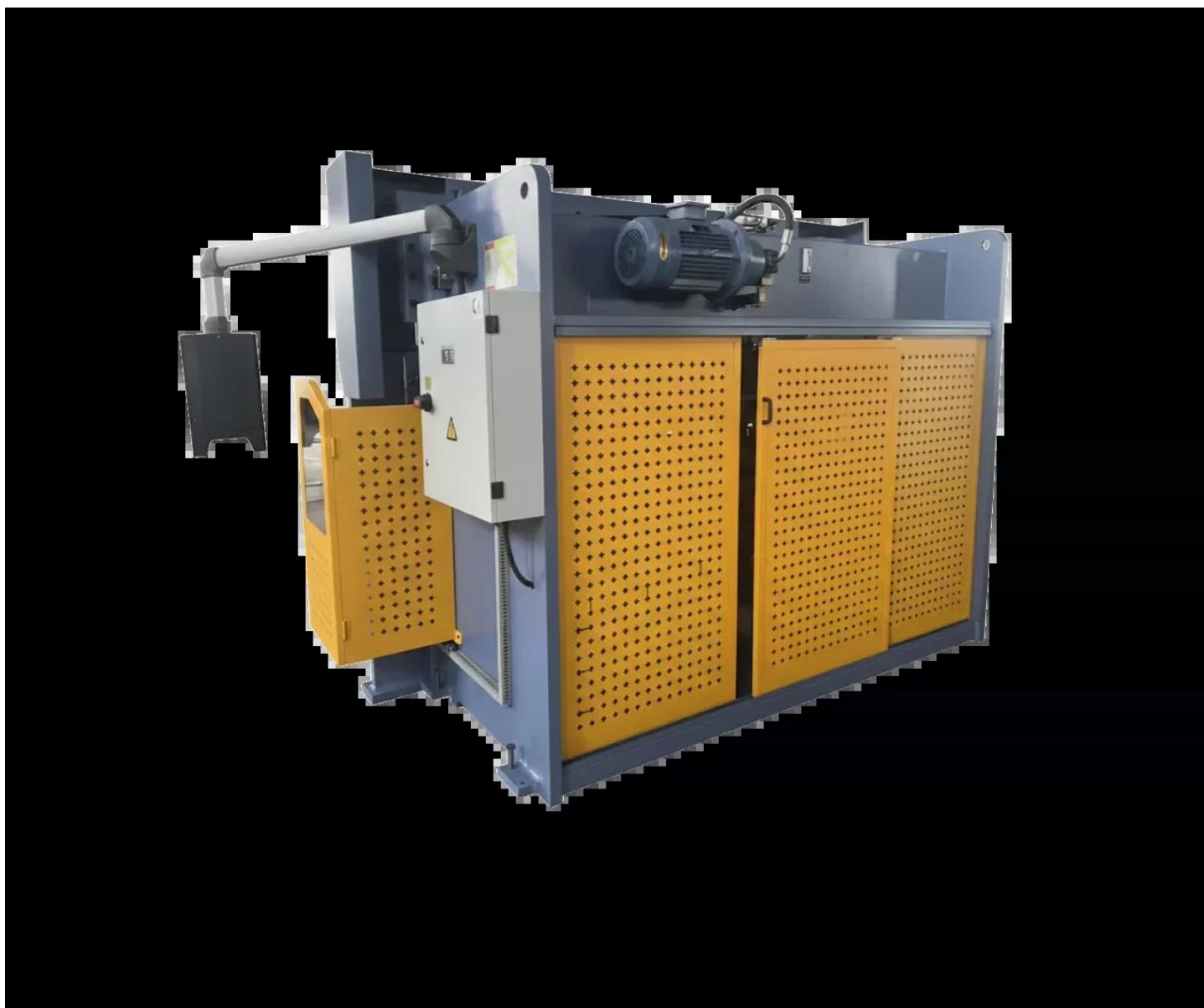
Press Brake Punch

The punch is designed for precise sheet metal bending in accordance with technical documentation. The tool is made of high-quality tool steel, resistant to wear and deformation. The punch working profile includes bending radii and chamfers, allowing 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-40x3200 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 immediately stops the machine when opened. This solution effectively prevents access to hazardous components during operation and supports compliance with safety requirements.



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Estun E21 Controller

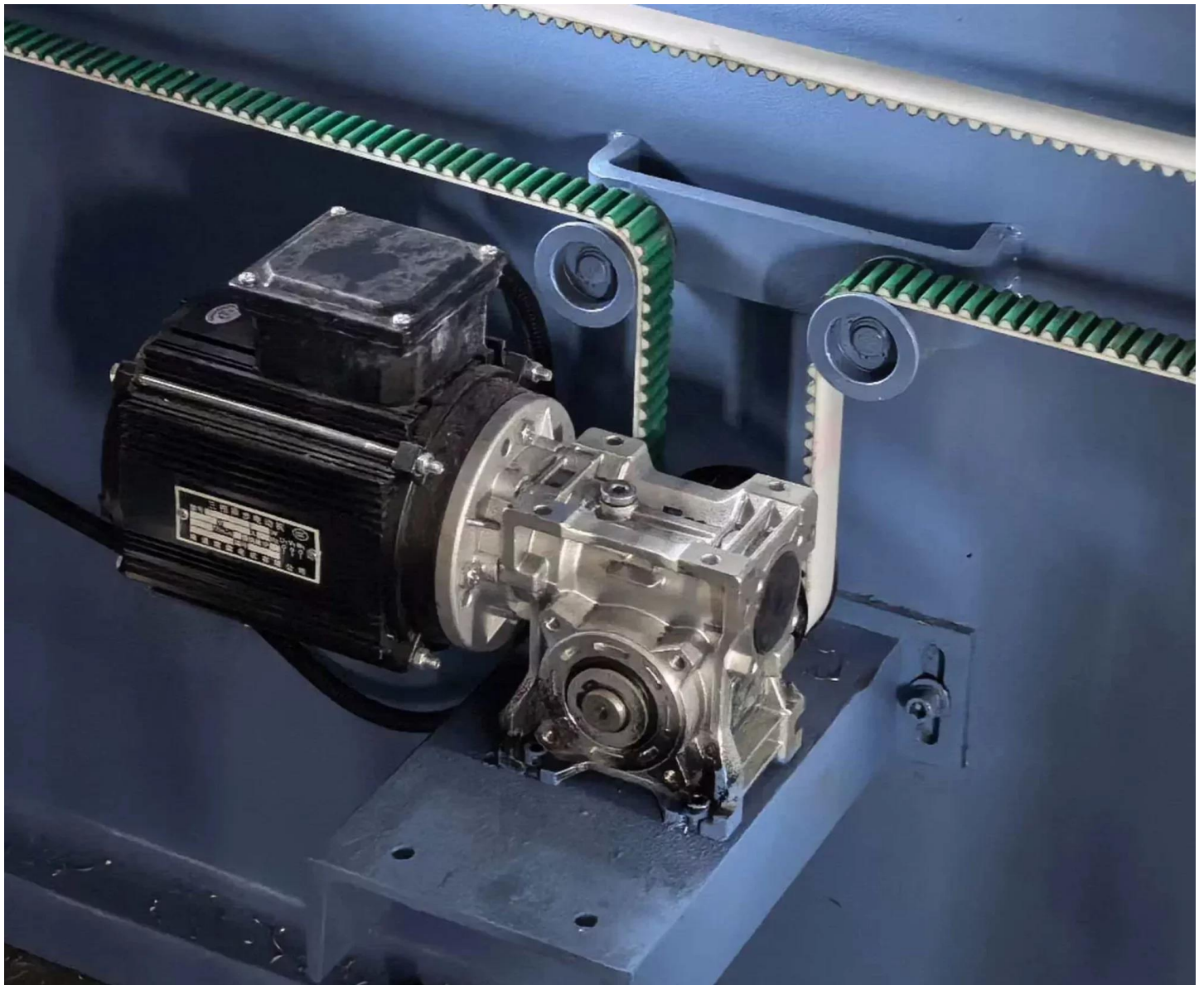
The Estun E21 controller enables convenient programming and control of the bending process. The operator can set operating parameters, control the backgauge position and use the machining program memory. This solution increases repeatability, accuracy and the comfort of everyday work with the press brake.

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.



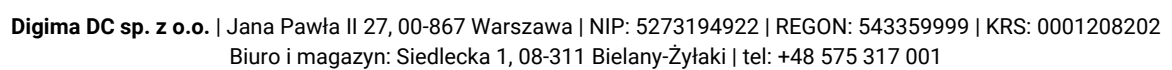
Toothed Belt

The toothed belt is responsible for mechanical drive and synchronization of machine axis movement. It provides stable power transmission, quiet operation and precise motion control.



AMADA Quick Clamping

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



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 Distributor

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



Backgauge Fingers

The backgauge fingers are used to position the material before and during bending. The machine is equipped with 4 units as standard.