

## PREMIUM CNC Press brake 4100mm, 225T

# 00540444

### PREMIUM line - HPB 225 4100/4

Introducing the highlight of precision and efficiency in metalworking - our **PREMIUM Hydraulic CNC Controlled Press Brake**. Engineered with cutting-edge technology and crafted for unparalleled performance, this press brake redefines excellence in bending operations.

#### Here's why it stands out:

##### **Standard Features:**

**Advanced Axis Control:** Benefit from precise control with 4-axis (Y1, Y2, X, R) as standard, with the option for 6-axis (Y1, Y2, X, R, Z1, Z2).

**Unmatched Accuracy:** Achieve perfection with Y Axis Accuracy of  $\pm 0.01\text{mm}$  and Y Axis Repeat Accuracy of  $\pm 0.01\text{mm}$ , ensuring consistent results.

**Exceptional Straightness:** Maintain superior workpiece straightness of  $\pm 0.3/1000\text{mm}$ , meeting the highest quality standards.

**Comprehensive Tooling:** Utilize Promecam type top tooling, V16, V22, V35, V50 Bottom Tooling (40 TN - 135 TN), and even Special 4V Die Bottom Tooling from 170 TN.

**Efficient Clamping:** Enjoy hassle-free operations with the Promecam Type Fast Clamping System, facilitating quick tool disassembly and assembly.

**Robust Hydraulic System:** Powered by ECKERLE pump with WANNAN Motor and HAWE/Hoerbiger hydraulic system for reliable performance.

**Intuitive Control:** Seamlessly operate with Cybelec Cybtouch 12 (4-axis) or Cybtouch 15 (6-axis) CNC control system, ensuring precision and ease of use.

**Safety Features:** Ensure operator safety with DSP AP + MCS Laser protection system, rear door system with safety sensors, and easy openable side doors secured with sensors.

**Versatile Backgauge:** Benefit from CNC Controlled Motorized Backgauge with ample travel (X:750 mm) + (R:250 mm) for enhanced productivity.

**Sturdy Construction:** Built on a heavy and stress-relieved welded frame, featuring a decoupled C-bracket for linear encoder, ensuring stability and accuracy.

**Convenient Tool Storage:** Access tools easily with a storage system divided into three functional areas, providing space for various tools and accessories.

**Complete Package:** Comes with CE-Declaration and instruction manual in multiple languages (DK, EN, DE), along with a 2-year warranty for peace of mind.

##### **General Features:**

**Standard Tooling:** Equipped with Promecam top and bottom tooling for versatile bending capabilities.

**Advanced Safety System:** Includes DSP AP + MCS safety system and Cybelec Cybtouch 12 for enhanced safety and control.

##### **Optional Equipment:**

**Enhanced Backgauge:** Opt for a 6-axis backgauge with servo motor for expanded functionality.

**Improved Cooling:** Ensure optimal performance with the addition of an air cooler.

**Sheet Follower:** Choose between BF-01 180 kg/pce or UP-180 180 kg/pce sheet follower for efficient material handling.

##### **Optional Feature:**

**Customized Load Capacity:** Tailor your equipment with optional load capacities: 180KG for BF-01 and UP-180, or 380KG for UP-380.

- Experience unparalleled performance and reliability with our **PREMIUM Hydraulic CNC Controlled Press Brake**.



# HM MACHINERY

**Product Link:**

<https://hmmachinery.bigleap.tech/en/product/premium-cnc-press-brake-4100mm-225t>

## Product Specification

|                             |               |
|-----------------------------|---------------|
| Nominal Force (KN)          | 2250          |
| Bending length (mm)         | 4100          |
| Column Distance mm          | 3420          |
| Ram Stroke (mm)             | 250           |
| Opening Height (mm)         | 480           |
| Oil capacity (L)            | 590           |
| Throat depth (mm)           | 400           |
| Down speed (mm/s)           | 180           |
| Pressing (mm/s)             | 10            |
| Return Speed (mm/s)         | 130           |
| Motor (kW)                  | 15            |
| Voltage                     | 3x400V - 50Hz |
| X Axis travel (mm)          | 750           |
| X Axis working speed (mm/s) | 400           |
| X Axis accuracy (mm)        | ±0.05         |
| R Axis travel (mm)          | 250           |
| R Axis working speed (mm/s) | 100           |
| R Axis accuracy (mm)        | ±0.1          |
| Z Axis travel (mm)          | 2850          |
| Z Axis working speed (mm/s) | 600           |
| Z Axis accuracy (mm)        | ±0.1          |
| Y Axis accuracy (mm)        | ±0.01         |
| Y Axis Repeat accuracy (mm) | ±0.01         |
| Workpiece straightness (mm) | ≤±0.3/1000    |
| Bending angle accuracy (°)  | ≤±1           |



# HM MACHINERY

|                                  |       |
|----------------------------------|-------|
| Length (mm)                      | 5070  |
| Width without front support (mm) | 1977  |
| Width with front support (mm)    | 2260  |
| Height (mm)                      | 2970  |
| Weight                           | 16180 |

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