# PREMIUM CNC Press brake 4100mm, 300T

**# 00540690**

**PREMIUM line - HPB 300 4100/4 PREMIUM**






00540690 HPB 300 4100/4 4 axis w/DELEM 53T
00540691 HPB 300 4100/4 4-axis w/DELEM 58TX
00540692 HPB 300 4100/6 6-axis w/DELEM 58TX
00540693 HPB 300 4100/6 6-axis w/CYBTOUCH 15
00540694 HPB 300 4100/6 6-axis w/DELEM 66T

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 ±0.01mm and Y Axis Repeat Accuracy of ±0.01mm, ensuring consistent results.
**Exceptional Straightness:** Maintain superior workpiece straightness of ≤±0.3/1000mm, 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.

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**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**.

**Product Link:**

https://hmmachinery.dk/en/product/premium-cnc-press-brake-4100mm-300t

## Product Specification

| | |
|---|---|
| Nominal Force (KN) | 3000 |
| 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) | 150 |
| Pressing (mm/s) | 8 |

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| | |
|---|---|
| Return Speed (mm/s) | 100 |
| Motor (kW) | 22 |
| 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 |
| Length (mm) | 5070 |
| Width without front support (mm) | 2177 |
| Width with front support (mm) | 2460 |
| Height (mm) | 3170 |
| Weight | 19180 |

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