Haas F1™ Team
OFFICIAL MACHINE TOOL

HAAS PRESS BRAKES

High-Quality Press Brakes with Haas Support

HIGH-QUALITY CNC PRESS BRAKES.

Industry-Leading Support.

The Haas HPB Series combines the power of industry-standard software with the legendary service and reliability of the Haas Factory Outlet network. Whether you are forming complex kits or heavy plate, these machines are built for speed, precision, and ease of use.

Max Bending Capacities:

Material	HPB-50-5	HPB-170-10
Carbon Steel	.118 in *(3 mm)*	.236 in *(6 mm)*
Stainless Steel	.079 in *(2 mm)*	.138 in *(3.5 mm)*
Aluminum	.197 in *(5 mm)*	.354 in *(9 mm)*

DELEM CNC

Industry-Standard Software.

The HPB Series is powered by industry-standard DELEM software, providing a seamless interface between complex part geometry and high-speed execution. Featuring an intuitive touch-screen interface, the control minimizes setup time by automating the most technical aspects of the bending process.

3D Visualization & Simulation:

View real-time 3D bend sequences to identify potential collisions or errors before the ram moves.

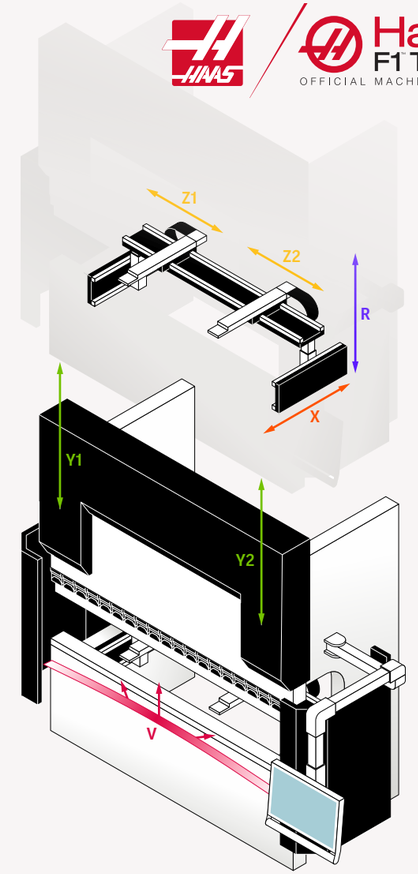
Automatic Bend Sequencing:

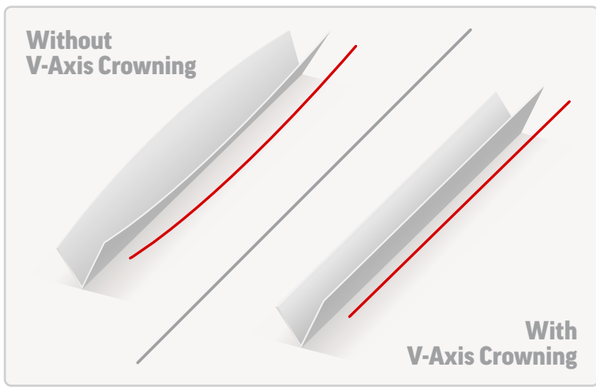
The software automatically calculates the optimal order of operations, ensuring maximum efficiency and part accuracy.

PRESS BRAKE AXES.

In the fabrication industry, press brake notation 4+1 or 6+1 describes the specific degrees of freedom for the ram and the backgauge system.

Axis	
1/2	**Y1 & Y2-Axis (The Ram)** These axes control the vertical stroke and can be offset to allow for intentional tilting if needed.
3	**X-Axis (Depth)** This controls your flange length by moving the backgauge forward or backward.
4	**R-Axis (Height)** Moves the backgauge fingers up and down to accommodate different flange heights
5/6	**Z1 & Z2-Axis (Lateral)** Available on the HPB-170-10, The fingers to slide left and right independently for complex, multi-stage setups across the bed.
+1	**V-Axis (Crowning)** The V-axis is the "+1" – It uses a wedge system to "crown" the bed upward, neutralizing flex ensuring the angle is even across the bend.





V-Axis Crowning

The extreme pressure during a long and heavy bend can cause a press to flex across the work area.

First-Part Accuracy:

By compensating for the "bow" in the machine frame, you get 90˚ angles across the entire length of the workpiece.

High-Speed Backgauge

The backgauge automatically positions the workpiece relative to the tooling ensuring high dimensional accuracy.

High-Speed Movement

High-torque motors to achieve speeds up to 400 mm/s, reducing cycle times between bends.

WE DIDN'T FORGET THE TOOLING.

A press brake needs quality tooling. Available in a variety of profiles and configurations to suit common bending applications, Haas press brake tooling is designed for easy setup and long service life.

Winner's Circle Members Get

- Up to 8% off every purchase
- Free express delivery under 15 lb / over $49
- One membership covers your entire company
- Order online, with a machine, or through your local HFO

PRESS BRAKE

Technical Specs

	HPB-50-5 4+1 Axis	HPB-170-10 6+1 Axis
Capacity	50 t *(500 kN)*	170 t *(1700 kN)*
Workbench length	63 in *(1600 mm)*	126 in *(3200 mm)*
Throat Depth	9.8 in *(250 mm)*	15.6 in *(400 mm)*
Slider/Ram Stroke	6.3 in *(160 mm)*	8.9 in *(200 mm)*
Column Spacing	47.2 in *(1200 mm)*	102.4 in *(2600 mm)*
Approach Speed (Y-Down Rapid):	6.3 in/s *(160 mm/s)*	
Bend Speed (Y-Down Working):	0 - .4 in/s *(0-10 mm/s)*	
Return Speed (Y-Up Rapid):	5.1 in/s *(130 mm/s)*	
X Axis speed:	15.75 in/s *(400 mm/s)*	
R Axis Speed:	7.9 in/s *(200 mm/s)*	
Z1/Z2 Axis Speed:	NA	15.75 in/s *(400 mm/s)*
Machine Dimensions	82.7 x 69.7 x 94.3 in *(2100 x 1770 x 2395 mm)*	145.7 x 81.5 x 105.5 in *(3700x2070x2680 mm)*
Machine Weight	7,500 lbs *(3,400 kg)*	20,503 lbs *(9,300 kg)*

Specifications subject to change without notice. Not responsible for typographical errors. Machines shown with optional equipment. Actual product appearance may differ.

Haas Automation, Inc. USA
2800 Sturgis Rd., Oxnard, CA 93030, USA
www.HaasCNC.com | www.HaasTooling.com

Haas Automation, Europe
Mercuriusstraat 28, B-1930 Zaventem, Belgium
www.HaasCNC.com | www.HaasTooling.com

123456789