KAAST

HPB

1040 | 2160 | 26135

CNC Press Brake

The HPB Brake is perfect for complicated, sensitive, single or multiple bends at high speed. It is among the highest rated for helping increase productivity and lower costs with a user-friendly **CNC controller** and low-cost **hydraulic maintenance**. It allows for more production capacity and to eliminate wasted time on production.

QUICK RELEASE CLAMPING SYSTEM
Promecam type top clamps
are easily loaded and unloaded.

SLIDING FRONT SUPPORT ARMS
Height is adjustable.

RIGID STRUCTURE

Synchronized cylinders and **valves** ensure consistent, repeatable performance, while **all axes** are **automatically initialized** at startup for quick setup. Engineered in **SOLIDWORKS 3D** and built from **high-grade ST44-1 steel**, they offer exceptional structural strength and bending accuracy. The rigid upper beam operates on **8-point bearings**, achieving a **bending precision of 0.01 mm**.

HPB		1040	2160	26135
		3’ x 44 tons	6’ x 65 tons	8’ x 150 tons
Bending Length	mm	1000 (39.4”)	2100 (83”)	2600 (102”)
Tonnage	T	40 (44 t)	60 (65 t)	135 (150 t)
Distance Between Columns	mm	800 (31.5”)	1700 (67”)	2200 (87”)
Ram Rapid Speed	mm/s	110 (4.3”/sec)	200 (7.8”/s)	160 (6.3”/s)
Ram Working Speed	mm/s	11 (0.4”/sec)	14 (0.5”/s)	10 (0.4”/s)
Ram Return Speed	mm/s	105 (4.1”/sec)	165 (6.5”/s)	120 (4.7”/s)
Backgauge Travel	mm	500 (19.7”)	800 (31”)	800 (31”)
Backgauge Speed	mm/s	230 (9”/s)	230 (9”/s)	230 (9”/s)
Backgauge Finger Blocks	#	2	2	2
Sheet Support Arms	#	2	2	2
Oil Capacity	l	60 (15.9 gal)	150 (39 gal)	200 (52 gal)
Main Drive Motor	kW	4 (5.5 Hp)	7.5 (10 Hp)	11 (15 Hp)
Stroke	mm	100 (3.9”)	275 (10.8”)	275 (10.8”)
Daylight	mm	307 (12.1”)	530 (20.8”)	550 (21.6”)
Throat Depth	mm	250 (9.8”)	410 (16”)	410 (16”)
Table Height	mm	800 (31.5”)	900 (35”)	900 (35”)
Table Width	mm	89 (3.5”)	90 (3.5”)	90 (3.5”)
Dimensions (L/W/H)	mm	2300x1950x1860 (91x77x73”)	3250x1960x2750 (128x77x108”)	3750x2050x2800 (147x81x110”)
Weight	kg	1850 (4,080 lbs)	5650 (12,450 lbs)	8250 (18,190 lbs)
Item No.		91222022	9122101	9122102

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KAAST

HPB

31135 | 31175 | 31220 | 31320

CNC Press Brake

STANDARD CONFIGURATION

- DELEM DA-53 Touchscreen Controller
- CNC Controlled 800mm (31”) Back Gauge
- Adjustable Front Support Arms
- Surface Hardened Top and Bottom Tools
- Promecam Quick Clamping System
- 410 mm (16”) Throat Depth
- 2-Piece Back Gauge Fingers
- Scales in Metric and Inches
- Foot Pedal for Single and Multiple Bends
- 2 Photocells for Rear and Side Guards
- Cylinders and Top Beam Covers

KAAST HPB press brakes allow for longer, deeper bends with maximum repeatability. Specially designed **backgauges** and **CNC-controlled** servo-driven ball screws ensure precise, and multi-functional bending.

BACKGAUGE FINGERS
Specially designed foldable backgauge fingers.

SICK C 2000 REAR LIGHT GUARD
CE standard safety protection help you work in safer conditions.

4 AXIS (X, R, Z1, Z2) SERVO MOTORIZED BACK GAUGE (OPTION)
Backgauge positioning with 0.01 mm (0.0004”) accuracy.

HPB		31135	31175	31220	31320
		10’ x 150 tons	10’ x 190 tons	10’ x 240 tons	10’ x 350 tons
Bending Length	mm	3100 (122”)			
Tonnage	T	135 (150 t)	175 (190 t)	220 (240 t)	320 (350 t)
Distance Between Columns	mm	2600 (102”)			
Ram Rapid Speed	mm/s	200 (7.8”/s)	180 (7”/s)		140 (5.5”/s)
Ram Working Speed	mm/s	10 (0.4”/s)		11 (0.4”/s)	10.5 (0.4”/s)
Ram Return Speed	mm/s	120 (4.7”/s)	135 (5.3”/s)	160 (6.3”/s)	150 (5.9”/s)
Backgauge Travel	mm	800 (31”)			
Backgauge Speed	mm/s	230 (9”/s)			
Backgauge Finger Blocks	#	2			
Sheet Support Arms	#	2			
Oil Capacity	l	200 (52 gal)		300 (79 gal)	400 (105 gal)
Main Drive Motor	kW	11 (15 Hp)	15 (20 Hp)	18.5 (25 Hp)	30 (40 Hp)
Stroke	mm	275 (10.8”)			375 (14.75”)
Daylight	mm	550 (21.6”)			650 (25.5”)
Throat Depth	mm	410 (16”)			
Table Height	mm	900 (35”)			
Table Width	mm	90 (3.5”)		200 (7.8”)	240 (9.4”)
Dimensions (L/W/H)	mm	4250x2050x2800 (167x81x110”)	4250x2150x2800 (167x85x110”)	4550x2250x2850 (179x89x112”)	4550x2450x3200 (179x97x126”)
Weight	kg	8650 (19,070 lbs)	9450 (20,830 lbs)	11500 (25,350 lbs)	16800 (37,030 lbs)
Item No.		9122103	9122104	9122105	9122106

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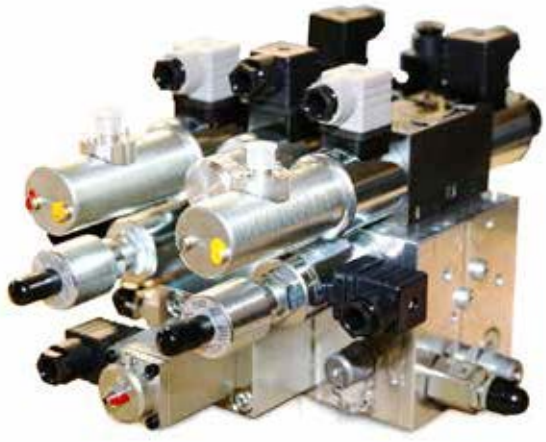
KAAST

HPB

37175 | 37220 | 37320 | 41500

CNC Press Brake



These HPB brakes deliver precise results for long, deep bends with added flexibility from the integrated crowning system. Chrome-coated cylinders are machined to **0.001 mm (0.00004")** precision, with specially **hardened pistons** for durability. High-precision **clamps** and adjustable front **support arms** offer flexibility and ease of use. Built to CE standards, the compact **HOERBIEGER hydraulic system** ensures reliable performance. Safety features include **dual rear photocells** and **side guards**. To simplify tool changes the press brake includes a fast tool tightening and a quick-release Promecam-type clamping system. **Optic linear scales** deliver **±0.01 mm accuracy**, while **synchronized cylinders** ensure precise bends. The robust **2-Axis backgauge system** (X=800 mm and R) offers **±0.01 mm repeatability**, with foldable fingers for reverse bending. Controlled via the **DELEM DA-58** touchscreen, the machine includes automatic axis referencing and a **SIEMENS electrical system**.

Opt. Manual Crowning System

Opt. CNC Motorized Crowning System

OPTIONAL CONFIGURATION

- Delem Controller Upgrades
- Special Stroke and Throat Depth
- Special Back Gauge Fingers
- Manual or Motorized Crowning System
- Hydraulic Oil Heating and Cooling
- Custom Table Width
- Top / Bottom Tools in Different Lengths
- Box, Pole, U Type Bending Special Tools
- Laser Front Safety Options
- WILA, Pneumatic, or Hydraulic Clamping
- Rol 1 / Rol 5 Quick Promecam Release
- Additional Front Support Arms
- AP3 / AP4 Front Sheet Support Arms
- Additional Axis Back Gauges

HPB		37175	37220	37320	41500
		12' x 190 tons	12' x 240 tons	12' x 350 tons	13' x 550 tons
Bending Length	mm	3760 (148")			4100 (161")
Tonnage	T	175 (190 t)	220 (240 t)	320 (350 t)	500 (550 t)
Distance Between Columns	mm	3250 (128")			3400 (139")
Ram Rapid Speed	mm/s	180 (7"/s)		140 (5.5"/s)	80 (3.1"/s)
Ram Working Speed	mm/s	10 (0.4"/s)	11 (0.4"/s)	10.5 (0.4"/s)	7.4 (0.3"/s)
Ram Return Speed	mm/s	135 (5.3"/s)	160 (6.3"/s)	150 (5.9"/s)	65 (2.6"/s)
Backgauge Travel	mm	800 (31")			1000 (39")
Backgauge Speed	mm/s	230 (9"/s)			230 (9"/s)
Backgauge Finger Blocks	#	2			
Sheet Support Arms	#	2			
Oil Capacity	l	200 (52 Gal)	300 (79 Gal)	400 (105 Gal)	500 (132 gal)
Main Drive Motor	kW	15 (20 Hp)	18.5 (25 Hp)	30 (40 Hp)	30 (40 Hp)
Stroke	mm	275 (10.8")		375 (14.7")	375 (14.7")
Daylight	mm	550 (21.6")		650 (25.5")	675 (27")
Throat Depth	mm	410 (16")			510 (20")
Table Height	mm	900 (35")			1100 (43")
Table Width	mm	90 (3.5")	160 (6.3")	220 (8.6")	350 (13.7")
Dimensions (L/W/H)	mm	4900x2150x2800 (193x85x110")	5100x2250x2900 (200x88x114")	5100x2450x3150 (200x96x124")	5450x2650x3850 (215x104x152")
Weight	kg	10950 (24,140 lbs)	12600 (27,780 lbs)	20000 (44,090 lbs)	32300 (71,210 lbs)
Item No.		9122107	9122108	9122109	zhpb41500

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KAAST

HPB

42135 | 42220 | 42400 | 61320 | 61400

CNC Press Brake

HPBs comes standard with a **Promecam top tool clamping** system for fast and easy tool changes. Optional clamping systems include **WILA**, **pneumatic**, or **hydraulic** for more efficiency. **Pneumatic clamping** uses pressurized air to automatically press and center tools, making it ideal for reducing setup time and streamlining automated press operations. Whereas the **Hydraulic clamping** provides automatic tool locking, centering, and correction without the need for air, offering a similarly efficient setup for high-production environments.

Promecam Top Tool Clamping

WILA Tool Clamping System

Multi-V Bottom Tool

HPB		42135	42220	42400	61320	61400
		14’ x 150 tons	14’ x 240 tons	14’ x 440 tons	20’ x 350 tons	20’ x 440 tons
Bending Length	mm	4270 (168”)			6100 (240”)	
Tonnage	T	135 (150 t)	220 (240 t)	400 (440 t)	320 (350 t)	400 (440 t)
Distance Between Columns	mm	3780 (149”)			5100 (200”)	
Ram Rapid Speed	mm/s	200 (7.8”/s)	180 (7”/s)	110 (4.3”/s)	80 (3.1”/s)	
Ram Working Speed	mm/s	10 (0.4”/s)	11 (0.4”/s)	8.4 (0.3”/s)	10.5 (0.4”/s)	8.4 (0.3”/s)
Ram Return Speed	mm/s	120 (4.7”/s)	160 (6.3”/s)	130 (5.1”/s)	75 (3”/s)	65 (2.5”/s)
Backgauge Travel	mm	800 (31”)		1000 (39”)	800 (31”)	1000 (39”)
Backgauge Speed	mm/s	230 (9”/s)				
Backgauge Finger Blocks	#	2			4	
Sheet Support Arms	#	2			4	
Oil Capacity	l	200 (52 gal)	300 (79 gal)	400 (105 gal)	400 (105 gal)	
Main Drive Motor	kW	11 (15 Hp)	18.5 (25 Hp)	30 (40 Hp)	30 (40 Hp)	
Stroke	mm	275 (10.8”)		375 (14.7”)	375 (14.7”)	
Daylight	mm	550 (21.6”)		650 (25.5”)	650 (25.5”)	
Throat Depth	mm	410 (16”)		510 (20”)	410 (16”)	510 (20”)
Table Height	mm	900 (35”)		1000 (39”)	1100 (43”)	
Table Width	mm	90 (3.5”)	160 (6.3”)	220 (8.6”)	180 (7”)	200 (7.8”)
Dimensions (L/W/H)	mm	5280x2150x2800 (207x84x110”)	5320x2250x3000 (209x104x136”)	5600x2650x3470 (220x104x136”)	7500x2450x3350 (295x96x131”)	7650x2650x3750 (301x104x147”)
Weight	kg	10950 (24,140 lbs)	14600 (32,190 lbs)	26550 (58,530 lbs)	30900 (68,120 lbs)	39700 (87,520 lbs)
Item No.		9122110	9122111	9122112	9122113	9122114

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