MPH Series

Heavy-Duty Servo Electro-Hydraulic CNC Press Brake

Heavy Plate Bending from 400 t to 2,400 t

The MPH Series bends large, thick plate: 54 models from 400 t to 2,400 t and 3,200 to 14,000 mm bending length. Multi-cylinder electro-hydraulic synchronisation keeps the angle consistent over long spans; confirm the tolerance for your part with the selected model and an acceptance test.



Models	Bending force	Bending length
54	**400-2,400 t**	**3,200-14,000 mm**

CNC control
Gausscn 860T (Germany)

MPH Series specifications

54 models. Values from the Metec catalogue; your configuration is confirmed in the quotation.

Model	Bending Capacity (kN)	Bending Length (mm)	Distance Between Columns (mm)	Open Height (mm)	Throat Depth (mm)	Ram Stroke (mm)	Main Motor Power (kW)	Overall Dimensions L × W × H (mm)	X-Axis Stroke (mm)	X-Axis Speed (mm/s)	Max. Fast Approach Speed (mm/s)	Max. Working Speed (mm/s)	Max. Return Speed (mm/s)
MPH 400T3200	4000	3200	2600	600	450	300	37	3550 × 2320 × 4260	1000	120	90	10	80
MPH 400T4000	4000	4000	3200	600	450	300	37	4350 × 2320 × 4360	1000	120	90	10	80
MPH 400T5000	4000	5000	4000	600	450	300	37	5350 × 2320 × 4610	1000	120	90	10	80
MPH 400T6000	4000	6000	5000	600	450	300	37	6350 × 2320 × 4960	1000	120	90	10	80
MPH 500T3200	5000	3200	2600	600	500	300	37	3550 × 2495 × 4390	1000	120	90	8	80
MPH 500T4000	5000	4000	3200	600	500	300	37	4350 × 2495 × 4490	1000	120	90	8	80
MPH 500T5000	5000	5000	4000	600	500	300	37	5350 × 2495 × 4650	1000	120	90	8	80
MPH 500T6000	5000	6000	5000	600	500	300	37	6350 × 2495 × 4950	1000	120	90	8	80
MPH 600T3200	6000	3200	2600	700	600	350	45	3550 × 2810 × 4720	1000	120	90	9	80
MPH 600T4000	6000	4000	3200	700	600	350	45	4350 × 2810 × 4820	1000	120	90	9	110
MPH 600T5000	6000	5000	4000	700	600	350	45	5350 × 2810 × 4930	1000	120	90	9	110
MPH 600T6000	6000	6000	5000	700	600	350	45	6350 × 2810 × 5130	1000	120	90	9	80
MPH 700T4000	7000	4000	3200	700	650	350	55	4350 × 3000 × 5070	1000	120	75	8	85

Model	Bending Capacity (kN)	Bending Length (mm)	Distance Between Columns (mm)	Open Height (mm)	Throat Depth (mm)	Ram Stroke (mm)	Main Motor Power (kW)	Overall Dimensions L × W × H (mm)	X-Axis Stroke (mm)	X-Axis Speed (mm/s)	Max. Fast Approach Speed (mm/s)	Max. Working Speed (mm/s)	Max. Return Speed (mm/s)
MPH 700T5000	7000	5000	4000	700	650	350	55	5350 × 3000 × 5220	1000	120	75	8	85
MPH 700T6000	7000	6000	5000	700	650	350	55	6350 × 3000 × 5420	1000	120	75	8	85
MPH 800T4000	8000	4000	3200	800	700	400	2 × 37	4350 × 3310 × 5500	1000	120	75	8	85
MPH 800T5000	8000	5000	4000	800	700	400	2 × 37	5350 × 3310 × 5650	1000	120	75	8	85
MPH 800T6000	8000	6000	5000	800	700	400	2 × 37	6350 × 3310 × 5800	1000	120	75	8	85
MPH 1000T4000	10000	4000	3000	950	800	400	2 × 37	4280 × 3820 × 6250	1000	120	65	8	65
MPH 1000T6000	10000	6000	5000	950	800	400	2 × 37	6280 × 3820 × 6550	1000	120	65	8	65
MPH 1000T8000	10000	8000	7000	950	800	400	2 × 37	8280 × 3820 × 6900	1000	120	65	8	65
MPH 1000T10000	10000	10000	9000	950	800	400	2 × 37	10280 × 3820 × 7510	1000	120	65	8	65
MPH 1000T12000	10000	12000	10000	950	800	400	2 × 37	12280 × 3820 × 8410	1000	120	65	8	65
MPH 1200T4000	12000	4000	3000	1000	1000	400	2 × 37	4280 × 4050 × 6480	1000	120	60	6.5	60
MPH 1200T6000	12000	6000	5000	1000	1000	400	2 × 37	6280 × 4050 × 6830	1000	120	60	6.5	60
MPH 1200T8000	12000	8000	7000	1000	1000	400	2 × 37	8280 × 4050 × 7230	1000	120	60	6.5	60
MPH 1200T10000	12000	10000	9000	1000	1000	400	2 × 37	10280 × 4050 × 7830	1000	120	60	6.5	60
MPH 1200T12000	12000	12000	10000	1000	1000	400	2 × 37	12280 × 4050 × 8730	1000	120	60	6.5	60
MPH 1400T6000	14000	6000	5000	1250	1100	500	2 × 37	6280 × 4220 × 7330	1000	120	60	5.5	55

Model	Bending Capacity (kN)	Bending Length (mm)	Distance Between Columns (mm)	Open Height (mm)	Throat Depth (mm)	Ram Stroke (mm)	Main Motor Power (kW)	Overall Dimensions L × W × H (mm)	X-Axis Stroke (mm)	X-Axis Speed (mm/s)	Max. Fast Approach Speed (mm/s)	Max. Working Speed (mm/s)	Max. Return Speed (mm/s)
MPH 1400T8000	14000	8000	7000	1250	1100	500	2 × 37	8280 × 4220 × 7880	1000	120	60	5.5	55
MPH 1400T10000	14000	10000	9000	1250	1100	500	2 × 37	10280 × 4220 × 8230	1000	120	60	5.5	55
MPH 1400T12000	14000	12000	10000	1250	1100	500	2 × 37	12280 × 4220 × 8930	1000	120	60	5.5	55
MPH 1400T14000	14000	14000	11000	1250	1100	500	2 × 37	14280 × 4220 × 9830	1000	120	60	5.5	55
MPH 1600T5000	16000	5000	3800	1400	1200	500	2 × 45	5280 × 4960 × 7860	1000	120	60	6	50
MPH 1600T6000	16000	6000	4800	1400	1200	500	2 × 45	6280 × 4960 × 7960	1000	120	60	6	50
MPH 1600T8000	16000	8000	6800	1400	1200	500	2 × 45	8280 × 4960 × 8160	1000	120	60	6	50
MPH 1600T10000	16000	10000	8800	1400	1200	500	2 × 45	10280 × 4960 × 8560	1000	120	60	6	50
MPH 1600T12000	16000	12000	10000	1400	1200	500	2 × 45	12280 × 4960 × 9100	1000	120	60	6	50
MPH 1600T14000	16000	14000	11000	1400	1200	500	2 × 45	14280 × 4960 × 9900	1000	120	60	6	50
MPH 1800T6000	18000	6000	4800	1800	1400	600	2 × 75	6300 × 5490 × 9300	1000	120	60	7	60
MPH 1800T8000	18000	8000	6800	1800	1400	600	2 × 75	8300 × 5490 × 9700	1000	120	60	7	60
MPH 1800T10000	18000	10000	8800	1800	1400	600	2 × 75	10300 × 5490 × 10100	1000	120	60	7	60
MPH 1800T12000	18000	12000	10000	1800	1400	600	2 × 75	12300 × 5490 × 10400	1000	120	60	7	60
MPH 1800T14000	18000	14000	11800	1800	1400	600	2 × 75	14300 × 5490 × 11160	1000	120	60	7	60
MPH 2000T6000	20000	6000	4600	1800	1500	600	2 × 90	6300 × 5520 × 9100	1000	120	60	6	60

Model	Bending Capacity (kN)	Bending Length (mm)	Distance Between Columns (mm)	Open Height (mm)	Throat Depth (mm)	Ram Stroke (mm)	Main Motor Power (kW)	Overall Dimensions L × W × H (mm)	X-Axis Stroke (mm)	X-Axis Speed (mm/s)	Max. Fast Approach Speed (mm/s)	Max. Working Speed (mm/s)	Max. Return Speed (mm/s)
MPH 2000T8000	20000	8000	6600	1800	1500	600	2 × 90	8300 × 5520 × 9500	1000	120	60	6	60
MPH 2000T10000	20000	10000	8600	1800	1500	600	2 × 90	10300 × 5520 × 9900	1000	120	60	6	60
MPH 2000T12000	20000	12000	10000	1800	1500	600	2 × 90	12300 × 5520 × 10300	1000	120	60	6	60
MPH 2000T14000	20000	14000	11600	1800	1500	600	2 × 90	14300 × 5520 × 11370	1000	120	60	6	60
MPH 2400T6000	24000	6000	4600	1800	1600	600	2 × 90	6300 × 5780 × 9750	1000	120	60	5	55
MPH 2400T8000	24000	8000	6600	1800	1600	600	2 × 90	8300 × 5780 × 10150	1000	120	60	5	55
MPH 2400T10000	24000	10000	8600	1800	1600	600	2 × 90	10300 × 5780 × 10550	1000	120	60	5	55
MPH 2400T12000	24000	12000	10000	1800	1600	600	2 × 90	12300 × 5780 × 10950	1000	120	60	5	55
MPH 2400T14000	24000	14000	11600	1800	1600	600	2 × 90	14300 × 5780 × 11530	1000	120	60	5	55

What the MPH Series is built for

Heavy Capacity

Designed for large thick plates with powerful bending force from 400T to 2400T.

Frame Structure

The steel frame supports large-span bending; final performance depends on the named model, tooling, material, setup, and acceptance method.

Precise Control

Multi-cylinder electro-hydraulic sync control maintains precision across the full bending length.

Wide Applicability

Oversized table and high throat depth handle various large, complex workpieces.

Components you can name

Main components and their makers as listed in the catalogue, with the options in its configuration table. Alternatives are quoted on request.

CNC controller	Gausscn 860T (Germany); option: Gausscn 880T
Axes	3+1
Main motor	Wannan (China); option: Siemens (Germany)
Pump	Allead (China)
Valve block	Rexroth (Germany)
Hydraulic fittings	Gausscn (Germany); option: Rastelli Raccordi (Italy)
Backgauge servo	Estun (China); option: Inovance (China)
Backgauge guides and ball screws	Gausscn (Germany); option: HIWIN (Taiwan, China)
Magnetic linear scale	GIVI (Italy)
Electrical components	Schneider (France)
Tooling	Multi-V die and quick clamp
Front safety	NUOVA (Italy); options: MSD 3-point, DSP 5-point or DSP 9-point laser protection with MCS
Options	Follow-up sheet support, bending robot (Estun), oil temperature control

Values from the Metec Product Catalogue 2025. Options, voltage and the final configuration are confirmed in the quotation. Printed from www.metecmt.com.