MPS/MPSS Series

Servo Electro-Hydraulic CNC Press Brake

Servo Electro-Hydraulic Drive, with a Dual-Servo MPSS Version

The MPS Series offers energy-saving servo drive with high precision CNC control. The MPSS variant features independent dual servo systems for enhanced efficiency and synchronization, with quiet operation and reduced oil usage. Available from 80T to 320T with bending lengths up to 6100mm.



Models	Bending force	Bending length
20	**80-320 t**	**2,500-6,100 mm**

CNC control
Gausscn 860T (Germany)

MPS/MPSS Series specifications

20 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)	Hydraulic Tank Capacity (L)	Overall Dimensions L × W × H (mm)	X-Axis Stroke (mm)	R-Axis Stroke (mm)	X-Axis Speed (mm/s)	R-Axis Speed (mm/s)	Max. Fast Approach Speed (mm/s)
MPS 80T2500	800	2500	2000	450	500	160	7.5	280	3360 × 1625 × 2450	800	200	550	200	200
MPS 110T2500	1100	2500	2000	540	500	250	9	280	3400 × 1740 × 2625	800	200	550	200	200
MPS 110T3200	1100	3200	2700	540	500	250	9	280	4100 × 1740 × 2625	800	200	550	200	200
MPS 110T4100	1100	4100	3600	540	500	250	9	280	5000 × 1740 × 2675	800	200	550	200	200
MPS 130T3200	1300	3200	2700	540	500	250	9	280	4100 × 1740 × 2645	800	200	550	200	200
MPS 130T4100	1300	4100	3600	540	500	250	9	280	5000 × 1740 × 2695	800	200	550	200	200
MPS 170T3200	1700	3200	2700	540	500	250	15	280	4120 × 1740 × 2675	800	200	550	200	180
MPS 170T4100	1700	4100	3600	540	500	250	15	280	5020 × 1740 × 2725	800	200	550	200	180
MPS 220T3200	2200	3200	2700	540	500	250	15	280	4140 × 1870 × 2885	800	200	550	200	140
MPS 220T4100	2200	4100	3600	540	500	250	15	280	5040 × 1870 × 2885	800	200	550	200	140
MPS 220T5100	2200	5100	4200	540	500	250	15	280	5640 × 1920 × 3125	800	200	550	200	140
MPS 220T6100	2200	6100	5200	540	500	250	15	280	6640 × 1920 × 3100	800	200	550	200	140
MPS 250T3200	2500	3200	2700	540	500	250	22	600	4160 × 1940 × 3060	800	200	550	200	150

Model	Bending Capacity (kN)	Bending Length (mm)	Distance Between Columns (mm)	Open Height (mm)	Throat Depth (mm)	Ram Stroke (mm)	Main Motor Power (kW)	Hydraulic Tank Capacity (L)	Overall Dimensions L × W × H (mm)	X-Axis Stroke (mm)	R-Axis Stroke (mm)	X-Axis Speed (mm/s)	R-Axis Speed (mm/s)	Max. Fast Approach Speed (mm/s)
MPS 250T4100	2500	4100	3600	540	500	250	22	600	5060 × 1940 × 2975	800	200	550	200	150
MPS 250T5100	2500	5100	4200	540	500	250	22	600	5660 × 1940 × 3175	800	200	550	200	150
MPS 250T6100	2500	6100	5200	540	500	250	22	600	6660 × 1940 × 3225	800	200	550	200	150
MPS 320T3200	3200	3200	2700	590	500	300	22	600	4180 × 2100 × 3240	800	200	550	200	140
MPS 320T4100	3200	4100	3600	590	500	300	22	600	5080 × 2100 × 3240	800	200	550	200	140
MPS 320T5100	3200	5100	4200	590	500	300	22	600	5680 × 2185 × 3560	800	200	550	200	140
MPS 320T6100	3200	6100	5200	590	500	300	22	600	6680 × 2185 × 3810	800	200	550	200	140

What the MPS/MPSS Series is built for

Energy Saving

Servo drive lowers energy consumption while ensuring smooth, consistent bending performance.

High Precision

CNC control with closed-loop feedback ensures consistent bending angle and quality.

Dual Servo Option

MPSS variant features independent dual servo systems for enhanced synchronization and efficiency.

Quiet Operation

Optimized hydraulic system significantly reduces noise for a more comfortable working environment.

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	4+1
Hydraulic drive	Servo pump control; MPSS version with two independent servo pump units
Main motor	Estun (China); option: Inovance (China)
Pump	Hytek (China); option: Allead (China)
Valve block	Gausscn (Germany); option: 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	Double-V die and quick clamp; options: single-V or multi-V die
Front safety	NUOVA (Italy); options: MSD 3-point, DSP 5-point or DSP 9-point laser protection with MCS
Options	Rear light curtain (Sensorc), 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.