MPG Series

Gantry Frame Servo Electro-Hydraulic CNC Press Brake

Open Gantry Structure for Extra-Long Parts

The MPG Series features an open gantry structure providing massive workspace for extra-long parts. Extreme rigidity with strong anti-deflection capability ensures precision under heavy load, with 8+1 axis control for complex bending operations.



Models **11**	Bending force **110-320 t**	Bending length **2,500-4,000 mm**
Axes **8+1**	CNC control **Gausscn 860T (Germany)**	

MPG Series specifications

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

Parameter	MPG 110T2500	MPG 110T3000	MPG 110T4000	MPG 130T3000	MPG 130T4000	MPG 170T3000	MPG 170T4000	MPG 250T3000	MPG 250T4000	MPG 320T3000	MPG 320T
Bending Capacity (kN)	1100	1100	1100	1300	1300	1700	1700	2500	2500	3200	3200
Bending Length (mm)	2500	3000	4000	3000	4000	3000	4000	3000	4000	3000	4000
Distance Between Columns (mm)	2860	3360	4360	3360	4360	3360	4360	3360	4360	3360	4360
Open Height (mm)	665	665	665	665	665	665	665	665	665	665	665
Ram Stroke (mm)	400	400	400	400	400	400	400	400	400	400	400
Main Motor Power (kW)	9	9	9	9	9	15	15	22	22	22	22
Overall Dimensions L × W × H (mm)	3720 × 1825 × 3100	4220 × 1825 × 3100	5220 × 1825 × 3100	4220 × 2025 × 3100	5220 × 2025 × 3100	4220 × 2025 × 3100	5220 × 2025 × 3100	4220 × 2075 × 3100	5220 × 2075 × 3100	4220 × 2075 × 3100	5220 × 3100
Number of Axes	8+1	8+1	8+1	8+1	8+1	8+1	8+1	8+1	8+1	8+1	8+1
X1/X2-Axis Stroke (mm)	600	600	600	600	600	600	600	600	600	600	600
R1/R2-Axis Stroke (mm)	200	200	200	200	200	200	200	200	200	200	200
Z1/Z2-Axis Stroke (mm)	2000	2500	3500	2500	3500	2500	3500	2500	3500	2500	3500
X-Axis Speed (mm/s)	450	450	450	450	450	450	450	450	450	450	450
R-Axis Speed (mm/s)	200	200	200	200	200	200	200	200	200	200	200
Max. Fast Approach Speed (mm/s)	200	200	200	200	200	180	180	150	150	140	140
Max. Working Speed (mm/s)	1-15	15	15	15	15	15	15	15	15	15	15
Max. Return Speed (mm/s)	180	180	180	180	180	180	180	140	140	140	140

What the MPG Series is built for

Ample Space

Open gantry structure provides massive workspace for extra-long parts and complex assemblies.

Extreme Rigidity

Strong anti-deflection capability ensures precision under heavy load across the full bending length.

High Productivity

Servo system enables fast ram approach and return speeds for maximum productivity.

8+1 Axis Control

8+1 axis CNC control ensures consistent bending angle across the full length.

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	8+1
Main servo motor	Estun (China)
Pump	Allead (China)
Valve block	Rexroth (Germany)
Hydraulic fittings	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.