

MP – Most Positioner



MP is a series of precise automated welding systems, that incorporate high-capacity table-positioners (maximum load capacity up to 3700kg). This unit features both, simple and reliable construction, and the highest standards of design. The high quality power feeder ensures the stepless and constant rotational speed, even in case of the off-axis overloading. The unit can be operated in manual or automatic mode, supported by the high-level automatic functions. With solid, metal construction and spindle interpolated with the unit, it is possible to use operating plate or universal torch. MC control system placed in the main body and metal access door with polycarbonate-glazed viewing window for the protection of control components. Start/stop foot switch pedal to simplify process control, with the precise spindle speed regulation available as an option. Tilt angle range of turntable: 0-110°. The workstation can be equipped with the mounting arm to attach the welding torch, what enables an automatic operation of the positioner. Pneumatic torch slide assembly also available. The unit can be provided with the integrated shield gas flow system, with a spindle passage through which gas flows.



Model	MP-50	MP-100	MP-400	MP-500	MP-2000	MP-4000
Rated load capacity	50 kg	90 kg	370 kg	520 kg	1700 kg	3700 kg
Wrenching torque	v01: 18,4 Nm v02: 38,4 Nm v03: 79,4 Nm	v01: 18,4 Nm v02: 38,4 Nm v03: 79,4 Nm	v01: 42,8 Nm v02: 85,7 Nm v03: 171,4 Nm	v01: 12,6 Nm v02: 252 Nm v03: 504 Nm	v01: 1814,4 Nm v02: 2585,5 Nm v03: 3326,4 Nm	v01: 3780 Nm v02: 4620,4 Nm v03: 5460 Nm
Tilt angle rate (spindle)	v01: 0,07-16 rpm v02: 0,03-8 rpm v03: 0,02-4 rpm	v01: 0,07-16 rpm v02: 0,03-8 rpm v03: 0,02-4 rpm	v01: 0,07-16 rpm v02: 0,03-8 rpm v03: 0,02-4 rpm	v01: 0,07-16 rpm v02: 0,03-8 rpm v03: 0,02-4 rpm	v01: 0,01-4,2 rpm v02: 0,01-2,8 rpm v03: 0,01-2,1 rpm	v01: 0,01-2,8 rpm v02: 0,01-2,1 rpm v03: 0,01-1,7 rpm
Kąt wychylenia wrzeciona	0-110°	0-110°	0-90° (max 200 kg)	0-90° (max 400 kg)	0-90° (max 1 700 kg)	0-90° (max 3 700 kg)
Otwór wrzeciona	-	-	12 mm	12 mm	12 mm	12 mm
Hole through spindle	400 mm	425 mm	550 mm	650 mm	1050 mm	1350 mm
Recommended operating plate	MIG/MAG, TIG, Plasma		MIG/MAG, TIG, Plasma		MIG/MAG, TIG, Plasma	
Welding method	1 x 230 V 50-60 Hz		3 x 400 V 50-60 Hz		3 x 400 V 50-60 Hz	
Voltage	350 A (DC), 270 A (AC)		350 A (DC), 270 A (AC)		550 A (DC), 450 A (AC)	
Protection class	IP21	IP21	IP21	IP21	IP21	IP21
Dimensions	380x200x575 mm	380x390x575 mm	935x435x596 mm	935x435x596 mm	1000x1400x1900 mm	1000x1600x2100 mm
Weight	24 kg	28 kg	102 kg	108 kg	375 kg	420 kg
Control	MC- MOST Control		MC- MOST Control		MC- MOST Control	

MP SYSTEM CONFIGURATIONS



MC MOST CONTROL – control system

- The delay of welding.
- 2-tact or 4-tact welding modes .
- Automatic control of rotation (positioner controls the axis rotation automatically) in seven defined grades, in range of 359°-382°.
- Exact return to the starting point (O-point).
- The welding machine control system can be turned on/off (the weld socket in positioner controlling the welder)
- Control system that allow the stepless rotational speed control in the full range
- TIG Turn OFF (positioner turns off the welding machines, regardless of rotation in seven grades in range of 359°- 365°). This function is especially useful in automated manufacturing processes, when precise opening/closing sequence of welds and automated change of the welding parameter values in TIG welding method.
- Pneumatic torch slide assembly (if delivered) to control welding position

