

# MPH - Most Positioner Hollow



MPH-MOST Positioner Hollow is an ergonomic workstation, designed to meet the highest demands in terms of functionality and universality. Metal construction of superior quality, with a massive spindle interpolated (spindle hole up to 144mm), can be equipped with a operating plate of maximum diameter up to 800mm. Use of an universal torch also available. Maximum load capacity up to 620kg. In order to achieve the ergonomics excellence, MC control system is placed in stand-alone housing, on its left side. Tilt angle range from 0 to 110°. Automatic tilt to allow a stepless phase change during operation mode, even under the heavy loading condition. The unit can be equipped with integrated holders 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. Table positioner, with the maximum load capacity up to 90kg, also available.



Model	MPH-50	MPH-100	MPH-400	MPH-600
Rated load capacity	50 kg	90 kg	370 kg	620 kg
Wrenching torque	v01: 49,9 Nm v02: 120,8 Nm v03: 241,6 Nm	v01: 49,9 Nm v02: 120,8 Nm v03: 241,6 Nm	v01: 87,3 Nm v02: 181 Nm v03: 362,4 Nm	v01: 154 Nm v02: 319,8 Nm v03: 639,6 Nm
Rotation speed	v01: 0,08-20 rpm v02: 0,03-8 rpm v03: 0,02-4 rpm	v01: 0,08-20 rpm v02: 0,03-8 rpm v03: 0,02-4 rpm	v01: 0,05-11,4 rpm v02: 0,02-5,3 rpm v03: 0,01-2,7 rpm	v01: 0,05-11,4 rpm v02: 0,02-5,3 rpm v03: 0,01-2,7 rpm
Tilt angle range (spindle)	0-110° (max 50 kg)	0-110° (max 75 kg)	0-90° (max 175 kg)	0-90° (max 500 kg)
Hole through spindle	48 mm	78 mm	108 mm	144 mm
Recommended operating plate	400 mm	425 mm	550 mm	800 mm
Welding method	MIG/MAG, TIG, Plasma		MIG/MAG, TIG, Plasma	
Voltage	1 x 230 V 50-60 Hz		1 x 230 V 50-60 Hz	
Motor power	350 A (DC) 270 A (AC)	350 A (DC) 270 A (AC)	550 A (DC) 450 A (AC)	550 A (DC) 450 A (AC)
Protection class	IP21	IP21	IP21	IP21
Dimensions	324x670x449 mm	324x670x449 mm	752x1300x755 mm	752x1800x755 mm
Weight	70 kg	85 kg	220 kg	255 kg
Control	MC-MOST Control	MC-MOST Control	MC-MOST Control	MC-MOST Control



## MPH 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

