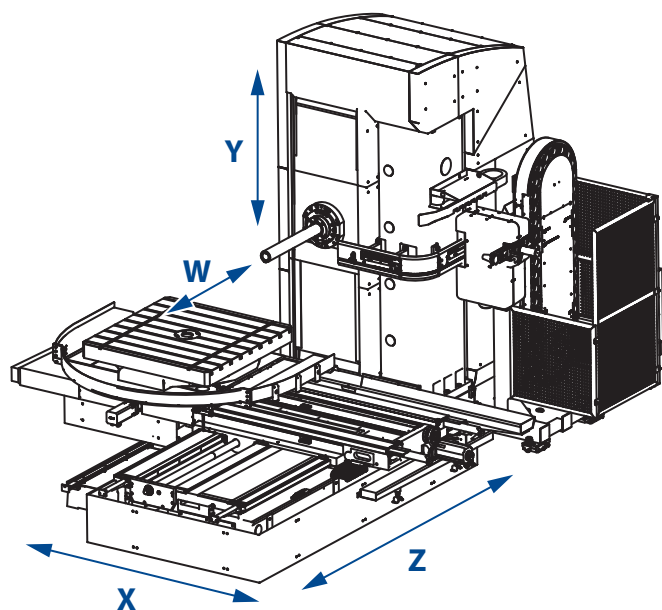


WH(Q) 105 CNC

The horizontal milling and boring machine WH(Q) 105 CNC is a modern, efficient, continuously controlled milling machine. The high cutting parameters and broad comfort of technological features predestine this machine for application in very demanding technological operations. The continuous control of the X, Y, Z and W coordinates and the rotating positioning table create conditions for universal application. It can be used for efficient milling of box-type components from multiple sizes as well as milling of moulds and other complicated workpieces. The machine can be supplemented with a series of technological devices, which greatly extend the machine's potentialities.



Machine configuration

- WH 105 CNC – basic version of the machine
- WHQ 105 CNC – version with an automatic tool change
- Machine with the „N“ headstock – suitable for power milling operations
- Machine with the „R“ headstock – suitable especially for high-performance milling operations
- Machine with the „R4“ headstock – high-speed version of headstock up to 4 000 rpm

TECHNICAL PARAMETERS

Spindle type		„N“	„R“	„R4“
Work spindle diameter	mm (in)	105 (4.1338)		
Spindle taper		ISO 50		
Work spindle speed range	1/min	10 – 2 300	10 – 3 300	10 – 4 000
Main motor power (S1)	kW (HP)	29 (39.4)		
Max. output of main motor (S6 – 60%)	kW (HP)	35 (47.6)		
Torque on spindle (S1)	Nm (ft lb)	1 170 (862.9)	921 (679.3)	
Max. torque on spindle (S6 – 60%)	Nm (ft lb)	1 462(1078.3)	1 148 (846.7)	
Spindle stroke W	mm (in)	630 (24.8)		
Column				
Headstock vertical travel Y	mm (in)	1 250 (49.2125), 1 600 (62.9921)		
Minimum height of spindle axis above work table	mm (in)	0		
Rotational table				
Max. workpiece weight	kg (lbs)	5 000 (11023) / 3 000 (6613)		
Table clamping surface	mm (in)	1 400 x 1 400, 1 400 x 1 600 (55.1181 x 55.1181, 55.1181 x 62.9921)		
Table longitudinal travel Z	mm (in)	1 250 (49.2125)		
Table transverse travel X	mm (in)	1 800 (70.8661) / 2 000 (78.7401)*		
Feeds				
Range of feeds (working and rapid traverse) – X, Y, Z	mm/min (ipm)	5 – 10 000 (0.1968 – 393.7007)		
– W	mm/min (ipm)	5 – 8 000 (0.1968 – 314.9606)		
– B	1/min	0.003 – 2		

* max. workpiece weight 3 000 kg (6613 lbs)



Customised solution for special products and series production.

