

# Standard machine design

For all types of machines in standard design we guarantee the delivery time below.

Machine type		WHQ 10 CNC	WHQ 105 CNC	WHN 110 Q	WHN 130 Q	WHQ 13 S	WHQ 13 L	WHT 110 S	WHT 110 L	WHT 130 S	WHT 130 L
Standard delivery time		on stock*	4 months	5 months	5 months	4 months	4 months	6 months	6 months	6 months	6 months
X axis	mm	1 250	1800 / 2000	2 500	3 000	3 500	5 000	1 500	2 500	2 000	4 000
Y axis	mm	1 100	1 600	1 600	2 000	2 500	3 000	1 250	1 600	1 500	2 500
Z axis	mm	940	1 250	1 250	1 600	1 250	2 200	1 500	2 500	2 000	3 000
Working table	mm	1 000 x 1 120	1 400 x 1 600	1 400 x 1 600	1 600 x 1 800	1 800 x 2 200	1 800 x 2 500	1 250 x 1 250	1 250 x 1 600	1 800 x 1 800	1 800 x 2 200
Max. load	t	3 000	5000 / 3 000	8 000	12 000	25 000	25 000	6 000	6 000	20 000	20 000
Headstock		2R + brake	R	N/R	N/R	R	R				
Spindle speed	RPM	2 500	3 300	3 300	3 000	3 000	3 000	4 000			4 000
Power	kW	22,5	29	41	41	41	41	31			41
Torque	Nm	812	921	1 463	1 622	2 508	2 508	1 205			3 200
Spindle stroke	mm	710	630	710	800	800	800	650			800
Standard design											
Chip conveyer		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Operator's place cover		✓	✓	✓	✓	✓		✓	✓	✓	✓
Operator's platform							✓				
Machine fencing		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bed X and Z covers								✓	✓	✓	✓
Headstock adapted for manual fixing of accessories		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Automatic tool change 40		✓	✓	✓							
Automatic tool change 60					✓	✓	✓	✓	✓	✓	✓
Remote diagnostics		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Optional standard equipment											
Special accessory station on the consoles of working table		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Facing head LD 650 – manual fixing		✓	✓	✓	✓	✓	✓				
Milling head HPR 50 – manual fixing		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Milling head HUR 50 – manual fixing			✓	✓	✓	✓	✓	✓	✓	✓	✓
Milling head HUI 50 – manual fixing						✓	✓				
Milling head HOIL 50 – manual fixing						✓	✓				
Workpiece probe of your choice		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Set of spare parts for 3-years operation		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tool cooling through spindle axis 20–60 bar (of your choice)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\* Applies for the Heidenhain TNC 640 control system (for Sinumerik 840 D-sl on request).

The complete range of machines and special accessories can be found on the TOS Varnsdorf website.

