

○ Technical Data of the WBM series

TECHNICAL DATA

WBM 1

WBM 2

WBM 3

• Standard equipment

Drilling method.....	Gun drill.....	Gun drill.....	Gun drill.....
Bore diameter min./max.....	1 – 6 mm.....	2.5 – 18 mm.....	4 – 25 mm.....
Number of drilling spindles.....	1 – 4 / 6*.....	1 – 4.....	1 – 4.....
Drilling depth.....	400 mm.....	800 / 1,200 mm*.....	800/1,200*/1,600 mm*.....
Spindle holder.....	HSK 25 (10x60).....	HSK 80 (25x100).....	HSK 80 (25x100).....
Spindle distance.....	160 mm.....	160 mm.....	160 mm.....
Spindle drive power			
(S 1) 100 % duty cycle.....	3.7 KW.....	5.5 KW.....	7 KW.....
(S 6) 40 % duty cycle.....	5.5 KW.....	7.7 KW.....	10 KW.....
Spindle speed			
stepless.....	0 ... 30,000 rpm.....	0 ... 10,000 rpm.....	0 ... 6,000 rpm.....
Rapid traverse.....	10 m/min.....	10 m/min.....	10 m/min.....
Coolant supply per spindle.....	150 bar / 14 l/min.....	105 bar / 45 l/min.....	105 bar / 58 l/min.....
Filter unit.....	✓.....	✓.....	✓.....
Chip conveyor.....	✓.....	✓.....	✓.....
Full machine cladding..... (with integrated oil return)	✓.....	✓.....	✓.....
CNC controller Siemens 840 D..... (mobile control panel)	✓.....	✓.....	✓.....
Process monitoring			
Torque monitoring.....	✓.....	✓.....	✓.....
Tool breakage monitoring.....	✓.....	✓.....	✓.....
Axis monitoring.....	✓.....	✓.....	✓.....
Coolant pressure and flow monitoring.....	✓.....	✓.....	✓.....

• Options

Follow rest.....	2.....	3.....	3.....
Chip centrifuge.....	✓.....	✓.....	✓.....
Oil mist extraction.....	✓.....	✓.....	✓.....
Automatic protective doors.....	✓.....	✓.....	✓.....
Oil sumps, oil sumps with step grids.....	✓.....	✓.....	✓.....
Power extension 9/13 KW.....			✓.....
Drill diameter.....			up to 32 mm.....
Spindle holder HSK 50 (16x80)			
Spindle speed.....		0 ... 15,000 rpm.....	
Increased coolant supply per spindle.....		140 bar / 45 l/min.....	

• Additional modules

Conveyor with manual or automated loading.....	✓.....	✓.....	✓.....
Workpiece dripping fixture.....	✓.....	✓.....	✓.....
Gantry loading.....	✓.....	✓.....	✓.....
Robot loading.....	✓.....	✓.....	✓.....
Workpiece storage system.....	✓.....	✓.....	✓.....
Pallet transport system.....	✓.....	✓.....	✓.....
Cross-machine linkages.....	✓.....	✓.....	✓.....
Workpiece steady rests only with manual loading.....	✓.....	✓.....	✓.....
Transverse drilling unit.....	✓.....	✓.....	✓.....
Face drilling unit.....	✓.....	✓.....	✓.....

*optional;

subject to technical changes; status as of August 2015