

## Technical data

Machine type	HAUSER S 35-200	
<b>Work range</b>		
Range of adjustment X,Y	mm	500 x 300
Vertical adjustment of grinding head (W)	mm	450
Clearance between the grinding motor (45S) and table	mm	0 – 500
Distance between the spindle centre and the column	mm	365
Grinding diameter (with grinding wheel 100 mm)		
• without extension plate	mm	max. 230
• with extension plate	mm	max. 360
Taper grinding, included angle (divergent and convergent) (option)	degree	max. 16°
<b>Table</b>		
Effective surface	mm	600 x 380
6 T-slots, width	mm	10
Admissible load	kg	max. 300
<b>Feeds</b>		
Table and cross slide X,Y		
• Machining speed	mm/min	0 - 2'000
• Traversing speed	mm/min	0 - 2'000
Vertical slide W	mm/min	900
<b>Grinding spindle</b>		
Spindle sleeve diameter	mm	100
The machine is prepared for the following grinding spindle speeds:		
• Infinitely adjustable and programmable grinding motors	min-1	4'500 – 80'000
• Grinding turbine, adjustable up to	min-1	130'000
Planetary speed C-axis:		
• Infinitely adjustable and programmable grinding motors	min-1	5 – 300
• Follow-up mode, AC servo-drive (option)	min-1	up to 20
Alternating speed, Z axis, infinitely adjustable:		
• Alternating stroke movement, infinitely adjustable	mm/min	Vmin. 0,500
	mm/min	Vmax. 12'000
• Stroke frequency Z	Hz	max. 5
• Stroke length Z, infinitely adjustable	mm	max. 110
Radial fine feed U-axis	mm	up to 5,5
<b>Control System</b>		
• Fanuc 32i for 3 CNC axes (option 4 axes)		
• Direct linear measuring system, resolution 0,0005 mm on X and Y axes		
• Program memory for 63 machining programs and 32 KB NC data storage capacity for workpiece programming		
• 10,4 inch LCD colour screen		
<b>HAUSER user's Software</b>		
Grinding cycles, to be activated over G-functions:		
• Bore grinding cycle U, planetary grinding		G100
• Bore grinding cycle U, chop grinding		G120
• Auto calibration of the grinding wheel (possible with MSS)		G190/G195

All specifications and designs are subject to alterations without notice

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