



S 1500

Vertical Hobbing Machine

STANDARD MACHINE SPECIFICATIONS

CNC Vertical Hobbing Hobbing Machine six (6 axes) for wet/dry hobbing of spur and helical gears in one or more cuts via axial, radial/axial, tangential, diagonal hobbing technology with HSS or Carbide hobs.

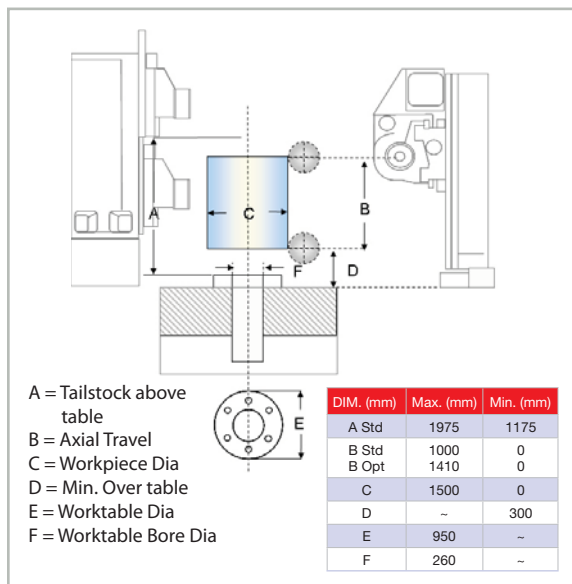
Technical Data - Capacities & Limits	
Nominal Workpiece Diameter	1500 mm
Maximum Module - Hobbing	24 mm
Maximum Module - Side Milling, Single Indexing	24 mm
Maximum Axial Cutting Length	1410 mm
Maximum Hob Diameter	450 mm
Maximum Hob Length	500 mm
Maximum Hob Swivel	+/- 50°
Maximum Hob Shift	350 mm
Hob Speed Range (RPM)	250 (320)
Workspindle Maximum Speed (RPM)	15 (30)
Hob Drive Power	46 kw
Width (Approximate)	7300 mm
Height (Approximate)	5100 mm
Length (Approximate)	4000 mm
Weight (Approximate Net)	30000 kg

Technical data is subject to change without notice and may vary according to the workpiece geometry, the loading system and the workholding equipment supplied.



VERTICAL HOBGING

WORKING RANGE CAPACITY



S 1500

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Standard Equipment	
Description	
Thermal stabilised machine bed and worktable unit in split design	
Moveable tailstock column	
Hobbing head: 46 kw	
Hob spindle: 25-250 rpm	
Max. torque: 3.800 nm	
Hob arbour location taper SK 60	
Cylindrical counterbearing	
Worktable speed: 0,025-16 rpm	
Max. worktable load 80 kn	
Hydrostatic table bearing with oil cooling unit	
Control: Sinumerik 840 D	
Floppy disk drive 3.5"	
Hand operating panel with electronic hand wheel	
Samputensili dialogue software (metric or in inches)	
Parallel programming	
Emergency protection device for quick withdrawal of tool	
Skipping of max. 2 defective hob sections during shifting	
3-colours signal lamp	
Working area lighting	
Electric cabinet lighting and air conditioning	
Standard painting RAL 7035/7022	
Full enclosure of the working area	
Chip disposal for steel (width: 450 mm, height 850 mm)	
Connecting pipe diameter for exhauster D=300 mm	
2 set documentation in German or English on CD	
Certificate of EEC conformity	
Standard Equipment Total (\$):	

Optional Equipment	
Description	Price (\$)
Hob spindle speed range: 32-320 1/min	
Workpiece table speed range: 0,08-32 1/min	
Workpiece table speed range: 0,05-50 1/min	
Counter column with hydraulically clamped slide and steady rest	
Counter column with hydraulically clamped slide and tailstock arm	
Increase of column and tailstock column	
Increase of the counter column	
Hydraulic clamping of axial slide	
Hydraulic column clamping	
Hydraulic workpiece clamping device	
Coolant flow controller	
Chip disposal equipment for short chip machining	
Chip disposal equipment for non-magnetic materials	
Optional chip disposal equipment	
Suction and separation equipment	
Oil cooling unit with or without a heater	
Linear measurement system for the radial axis	
Automatic door opening device	
Automatic workpiece centring equipment	
Remote diagnosis system via modem or internet	
Tropicalised electrical equipment	
Special electrical equipment	
Special machine painting	
On-screen text, documentation and signposting on CD	
Flushing pistol	
Customized/special technical specifications	
Optional Equipment Total (\$):	

Total Cost:	
Standard Equipment Total (\$):	
Optional Equipment Total (\$):	
TOTAL (\$):	

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