



Chester High Speed Precision Double Column Centre • GT Series



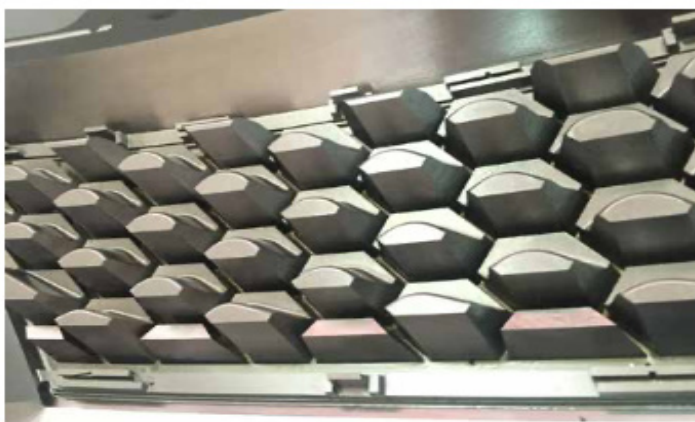
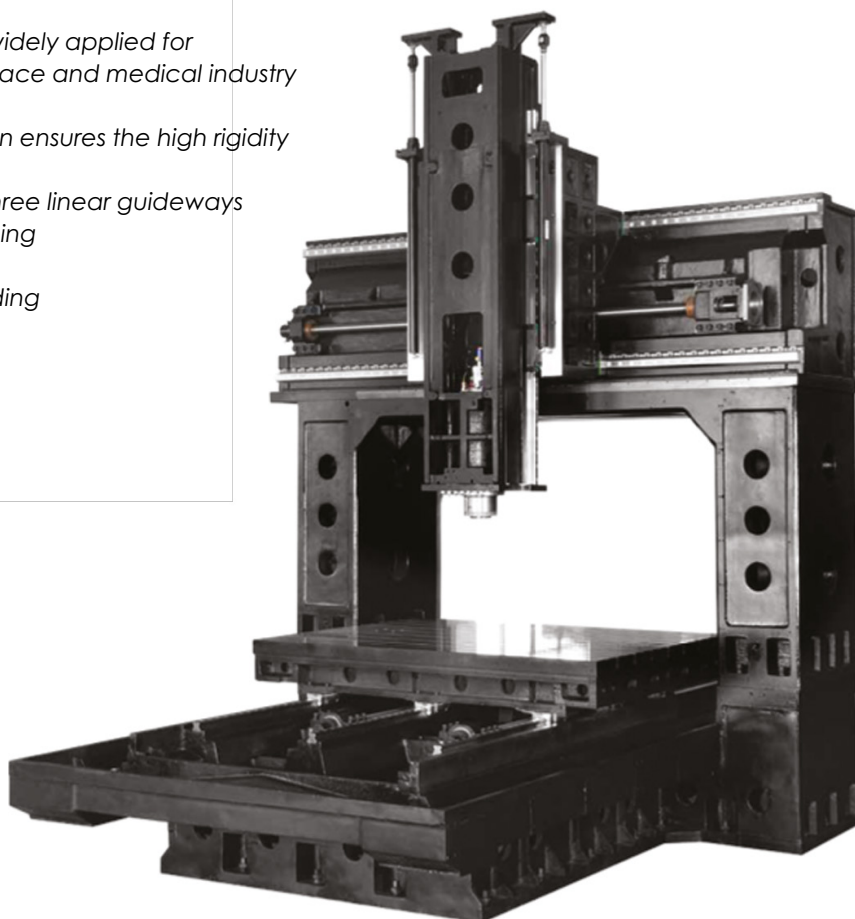
Technical Specifications	GT11	GT18	GT33
Table			
Table size	1200×700mm	1800×1400mm	3300×1700mm
T-slot (width x number x distance)	18×6×100mm	22×7×170mm	22×9×170mm
Max. load	1500kg	6000kg	10000kg
Travel			
X/Y/Z Travel	1150 / 700 / 520mm	1800 / 1400 / 800mm	3300 / 1800 / 800mm
Spindle nose to table	140-660mm	150-950mm	
Spindle centre to column	444mm	400mm	415mm
Distance between columns	1320mm	1960mm	
Spindle			
Spindle taper	HSK A63		
Motor power	25/28 kW	21 / 27 kW	
Motor torque	87/105 Nm	85 / 116 Nm	
Spindle speed	20000rpm	24000rpm	
Feed			
Rapid feed X/Y/Z	24 m/min	24 / 24 / 30 m/min	
Cutting speed	1-12000 mm/min		
Tool Changer			
Number of tools	40 pcs	60 pcs	
Max. tool length	300mm	300mm	
Max. tool diameter	ø78 / ø125mm	ø78 / ø150mm	
Max. tool weight	8kg		
Accuracy (VDI 3441)			
Positioning accuracy	0.006 mm / Full Travel	0.010mm / Full Travel	0.015mm / Full Travel
Repeatability accuracy	0.003mm / Full Travel	0.006mm / Full Travel	0.010mm / Full Travel
Dimensions & Weight			
Dimensions	3500x2700x3100mm	4965 x 6100 x 4380mm	10100 x5830 x 4830mm
Weight	9000kg	22000kg	28000kg

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.





- High speed and high precision machining, widely applied for big die & mold, electronics, defense, aerospace and medical industry
- Extra wide machine column and base design ensures the high rigidity
- Dual drive system with two ballscrews and three linear guideways on Y axis to ensure high accuracy of machining
- Extra wide door for easy loading and unloading
- Built-in type spindle, HSK A63, 24000rpm
- Oil cooled ballscrew
- Heidenhain linear scales on three axes
- 60 pockets chain type servo tool changer



Standard Configuration:

- ✓ Full enclosed splash guard
- ✓ Motor spindle HSK A63 18000rpm(GT11)
- ✓ Motor spindle HSK A63 24000rpm(GT18/GT33)
- ✓ Chain type tool changer 40 pockets(GT11)
- ✓ Chain type tool changer 60 pockets(GT18/GT33)
- ✓ Chip conveyor(two screw type and one chaintype)
- ✓ Air-conditioned electrical cabinet
- ✓ High precision spindle watercooler
- ✓ Oil-air lubrication system for spindle
- ✓ Rigid tapping
- ✓ Ethernet, CF card and USB interface
- ✓ Automatic lubrication system
- ✓ Coolant system
- ✓ Air blast during cutting
- ✓ LED working lamp
- ✓ End of program light
- ✓ Electronic handwheel (MPG)
- ✓ Tool box
- ✓ Leveling bolts and blocks
- ✓ Coolant gun
- ✓ Air gun
- ✓ User Manual

Optional Configuration:

- Motor spindle HSK A100, 12000 rpm
- CTS Coolant through spindle + ATS
- Oil cooled ballscrew
- Oil skimmer
- Workpiece probe
- Tool probe

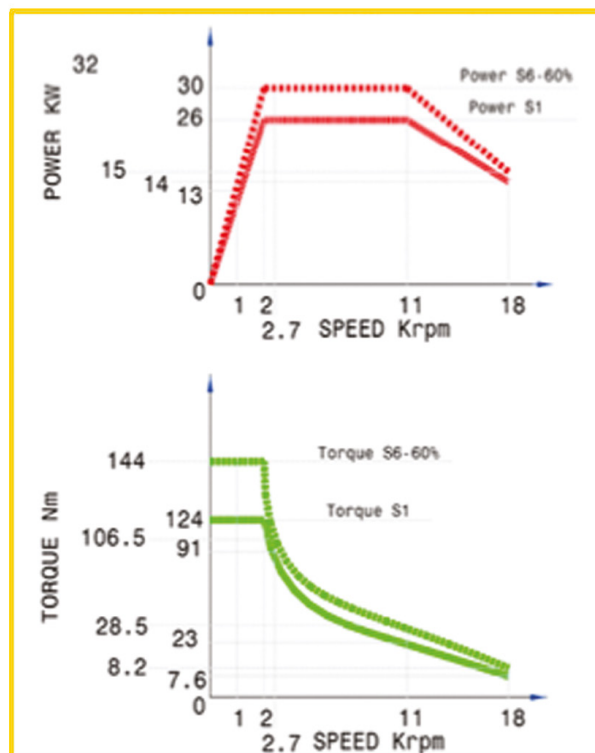
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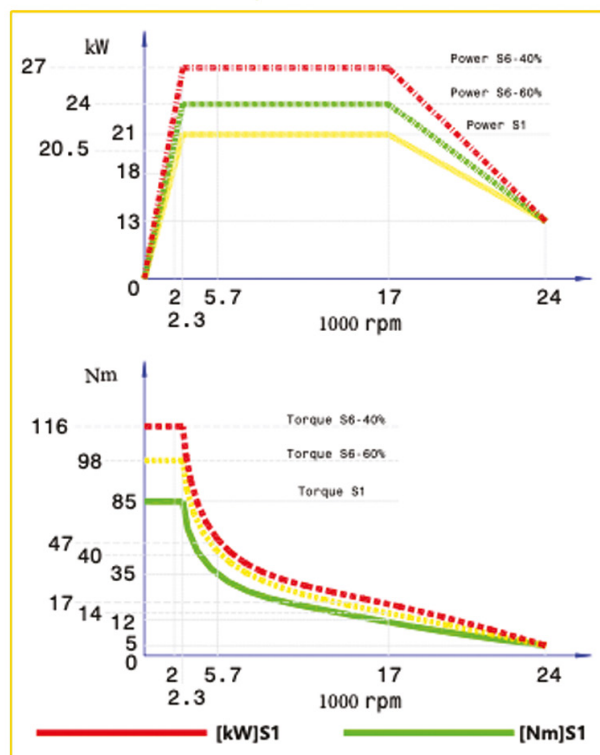


Torque diagram for standard Siemens version

GT18 • 18000 rpm • HSK A63



GT18 • 24000 rpm • HSK A63



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