



Chester 5 Axes Gantry Milling Machine • GT-5X Series



- Built-in type spindle, HSK A63, 24000 rpm
- 60 pockets chain type servo tool changer
- Heidenhain linear scales on three axes
- Oil cooled ballscrew
- Dual drive system with two ballscrew
- Direct drive servo motor for A/C axes

Technical Specifications	GT18-5X	GT33-5X	GT40-5X
Table			
Table size	1800 x 1400mm	3300 ×1700mm	4000×2400mm
T-slot (width x number x distance)	22 x 7 x 170mm	22 ×9×170mm	28×11×200mm
Max. load	6000kg	10000kg	12000kg
A(B)/C Axis	±108° / ±270°		±115° / ±360°
Travel			
X/Y/Z Travel	1900/1400/800mm	3300/2700/800mm	4200/3300/1000mm
Spindle nose to table	100 - 900mm		200-1200mm
90° spindle centre line to table	410-1210mm		460-1460mm
Distance between columns	1960mm		2800mm
Spindle			
Spindle taper	HSK A63		HSK A100
Motor power	42/56.7 kW		50/61 kW
Motor torque	68/90.2 Nm		160/193 Nm
Spindle speed	24000rpm		12000rpm
Feed			
Rapid feed X/Y/Z	30 m/min	24/24/30 m/min	20 m/min
Cutting speed	1-12000 mm/min		
A(B)/C Max. speed	50rpm		
Tool Changer			
Number of tools	60 pcs		40 pcs
Max. tool length	300mm		400mm
Max. tool diameter	78 / 150mm (next release)		125/250mm
Max. tool weight	8kg		20kg
Accuracy (VDI 3441)			
Positioning accuracy	0.010mm / Full Travel	0.015mm / Full Travel	0.020mm / Full Travel
Repeatability accuracy	0.006mm / Full Travel	0.010mm / Full Travel	0.015mm / Full Travel
Dimensions & Weight			
Dimensions	4965x6100x4830mm	10100x5830x4830mm	11500x5850x5500mm
Weight	24000kg	30000kg	52000kg

Standard Configuration:

- ✓ Full enclosed splash guard
- ✓ Motor spindle HSK A63 24000 rpm
- ✓ 60 pockets chain type tool changer
- ✓ Chip conveyor (two screw type and one chain type)
- ✓ Air-conditioned electrical cabinet
- ✓ High precision spindle water cooler
- ✓ Linear scales
- ✓ 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:

- Built-in motor spindle HSK A100 15000rpm _40/50kW_103/129Nm, 40 pockets tool changer(GT18-5X/GT33-5X)
- Built-in motor spindle HSK A100 12000rpm_40/47kW_248/293Nm, 40 pockets tool changer(GT40-5X)
- CTS Coolant through spindle + ATS
- Oil cooled ballscrew
- Oil skimmer
- Workpiece probe
- Tool probe
- Dynamic Collision Monitoring(DCM)
- Kinematics

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



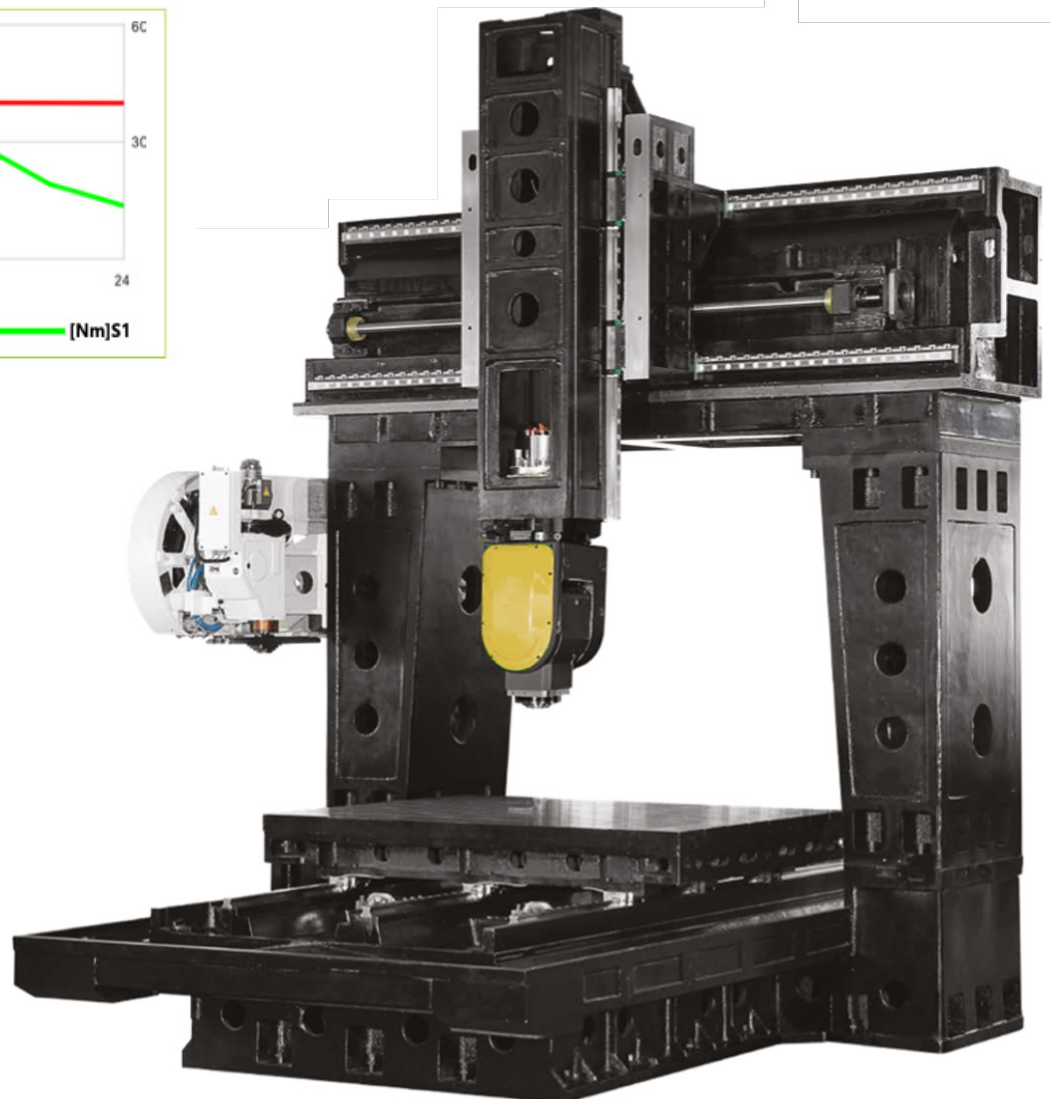
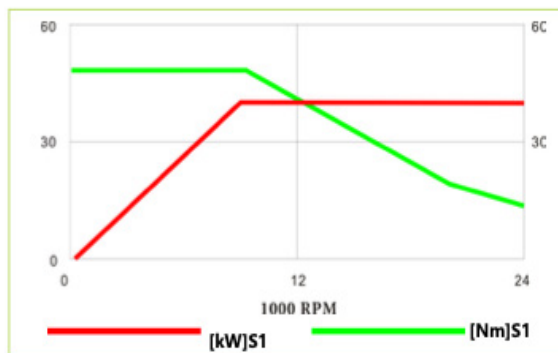


5-Axes Simultaneous



Torque diagram for standard Siemens version

GT18-5X • 24000 rpm • HSK A63



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