



Chester High Speed Double Column Centre • V1613HS



- High Speed Processing
- Cast iron is tempered for stress relief to ensure structural stability without deformation
- C3 class ballscrews ensures the highest accuracy and durability
- Pre-tension on all axes minimizes thermal distortion
- Roller type linear guideway, which offers super high rigidity and loading capacity



Standard configuration:

- ✓ Fully enclosed splash guard
- ✓ Air-conditioned electrical cabinet
- ✓ Rigid tapping
- ✓ Chain type chip conveyor
- ✓ Ethernet, CF card and USB interface
- ✓ Automatic lubrication system
- ✓ Coolant system
- ✓ Spindle cooling system
- ✓ LED working lamp
- ✓ End of program light
- ✓ Electronic handwheel (MPG)
- ✓ Tool box
- ✓ Leveling bolts and blots
- ✓ Coolant gun
- ✓ Air gun
- ✓ User Manual

Optional configuration:

- Direct drive spindle 15000 rpm
- Motor spindle 20000 rpm, HSK A63
- 32 pockets arm tool changer
- Chip conveyor (two screw type and one chain type)
- CTS coolant through spindle +ATS
- Linear scales
- Oil skimmer

Technical Specifications	V1613HS
Table	
Table size	1700 x 1200mm
T-slot (width x number x distance)	18 x 7 x 150mm
Max. load	3000kgs
Travel	
X/Y/Z Travel	1600 / 1300 / 600mm
Spindle nose to table	200 - 800mm
Distance between columns	1380mm
Spindle	
Spindle taper	SK40 / BT40 / CAT40
Spindle servo motor	9/22 kW Siemens; 11/18.5 kW Fanuc
Spindle speed	12,000 min ⁻¹
Spindle transmission	direct drive
Feed	
Rapid speed X/Y/Z	20 mm/min
Cutting speed	1-12,000 mm/min

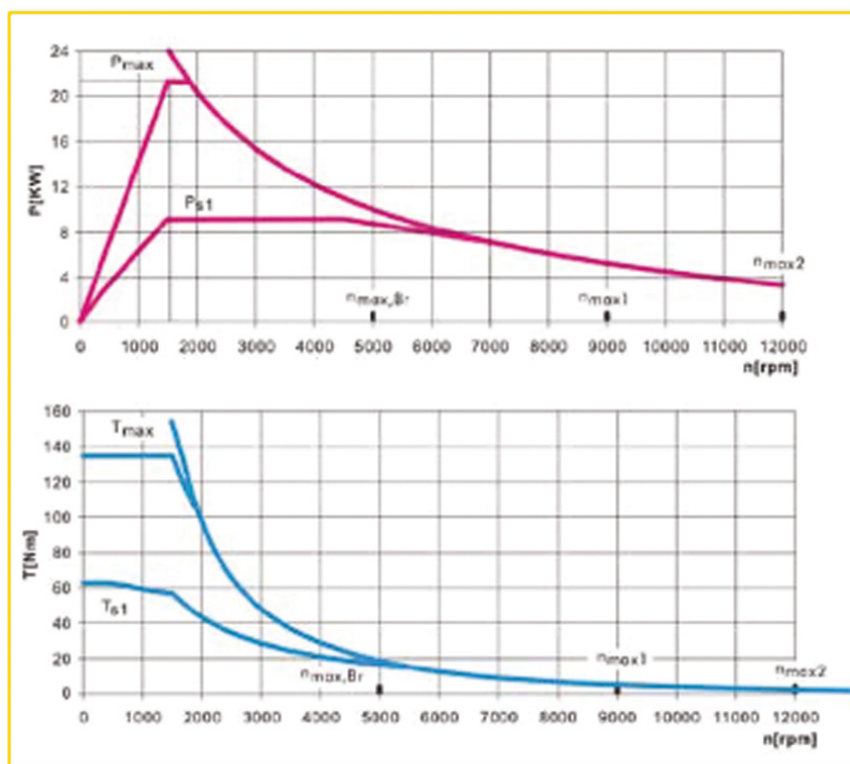
Technical Specifications	V1613HS
Tool changer	
Number of tools	32 pcs (option)
Max. tool length	300mm
Max. tool diameter	78 (125)mm
Max. tool weight	8kgs
Accuracy	
Positioning accuracy (with-out linear encoder)	0.012mm / Full Travel
Positioning repeatability (without linear encoder)	0.010mm / Full Travel
Positioning accuracy (with linear encoder)	0.010mm / Full Travel
Positioning repeatability (with linear encoder)	0.008mm / Full Travel
Dimensions & weight	
Dimensions	5881x4110x3650mm
Weight	16000kgs

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





Torque diagram for standard Siemens version

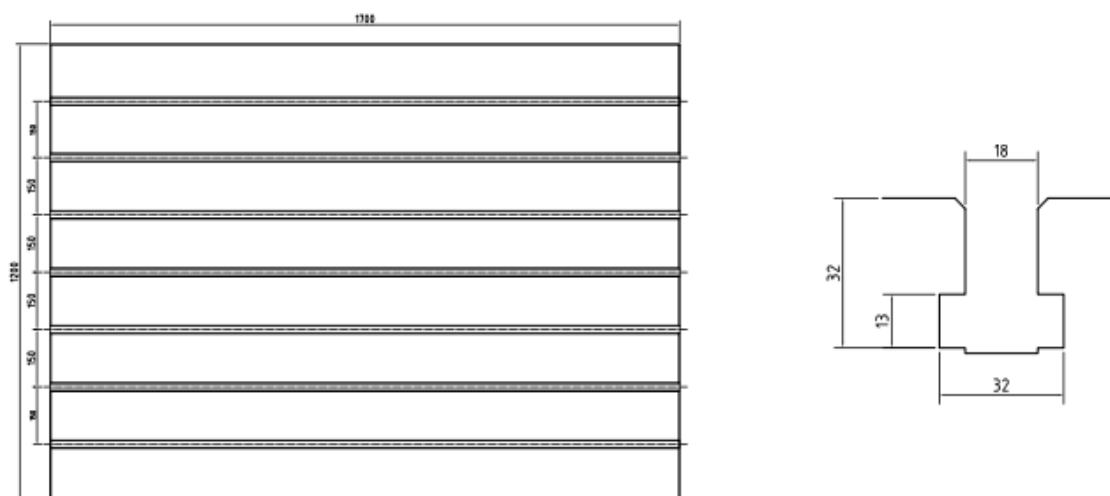


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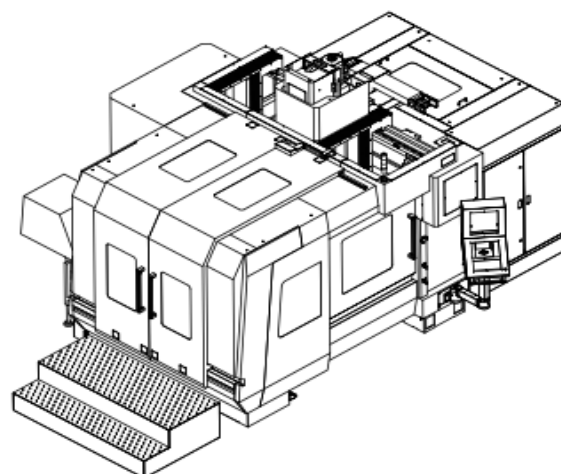
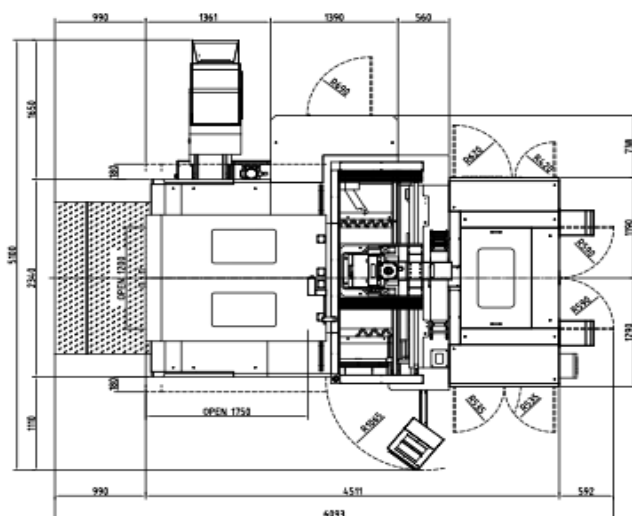
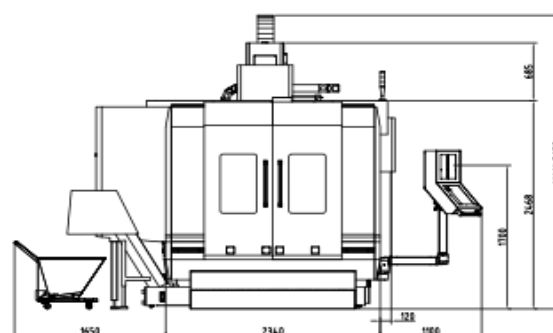
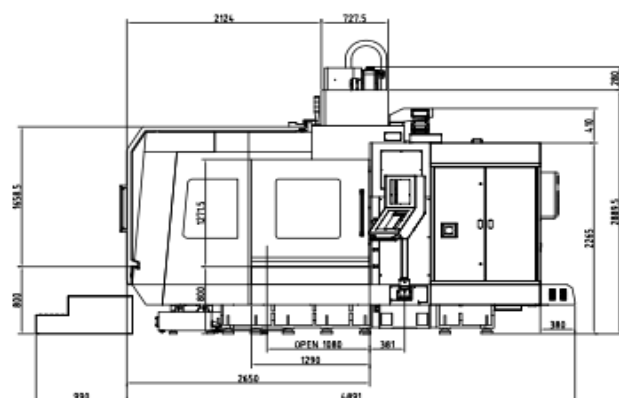




Work table



Dimensions



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