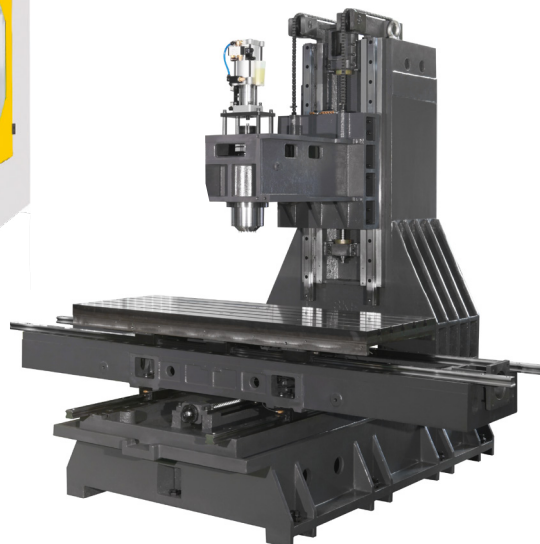




Chester Vertical Machining Centre • Alpha V13L

- High Performance
- High Rigidity
- Suitable for Mould Making



- 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 axis minimizes thermal distortion

Technical Specifications	V13L
Table	
Table size	1500×650mm
T-slot (width x number x distance)	18×5×100mm
Max. load	1200kg
Travel	
X / Y / Z Travel	1300/650/600mm
Spindle nose to table	150-750mm
Spindle centre to column	697mm
Spindle	
Spindle taper	SK 40 / BT 40 / CAT 40
Spindle speed	10,000rpm
Spindle motor power	20 / 53 kW Siemens; 11 / 18.5 kW Fanuc
Feed	
Rapid feed X/Y/Z	36m/min
Cutting speed	1-12000mm/min
Tool changer	
Number of tools	24 pcs
Max. tool length	300mm
Max. tool diameter	78mm/125mm
Max. tool weight	8kg
Accuracy (VDI 3441)	
Positioning accuracy (without linear encoder)	0.010mm / Full Travel
Positioning repeatability (without linear encoder)	0.006mm / Full Travel
Positioning accuracy (with linear encoder)	0.008mm / Full Travel
Positioning repeatability (with linear encoder)	0.006mm / Full Travel
General	
Dimensions	4025x3693x3250mm
Weight	8,000kg

Standard configuration:

- ✓ Fully enclosed splash guard
- ✓ Belt drive spindle 10000 rpm
- ✓ 24 pockets arm tool changer
- ✓ Chain type chip conveyor
- ✓ Air-conditioned electrical cabinet
- ✓ Rigid tapping
- ✓ Ethernet, CF card and USB interface
- ✓ Automatic lubrication system
- ✓ Coolant system
- ✓ LED working lamp
- ✓ End of program light
- ✓ Electronic handwheel (MPG)
- ✓ Tool box
- ✓ Leveling bolts and blocks
- ✓ Coolant gun
- ✓ Air gun
- ✓ Air blast during cutting
- ✓ User Manual

Optional configuration:

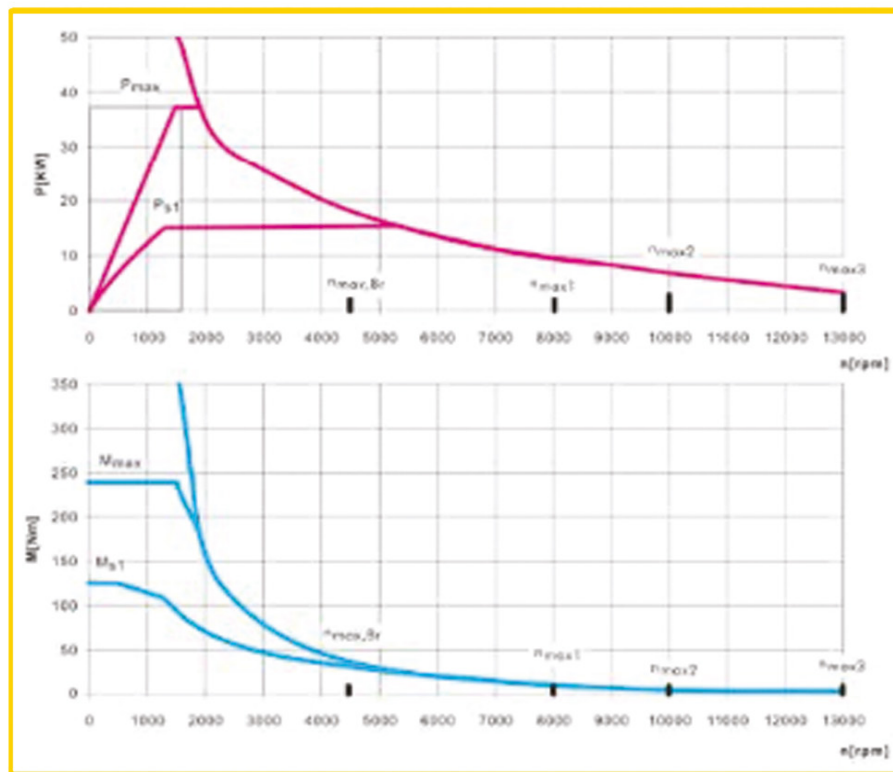
- Belt drive spindle 6000 rpm BT50
- Belt drive spindle 8000rpm BT50
- Direct drive spindle 12000rpm BT40
- Direct drive spindle 15000rpm BT40
- Spindle cooling system
- CTS Coolant through spindle + ATS
- Oil skimmer
- Workpiece probe
- Tool probe
- 4th axis
- 4/5th axis

* 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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