



- High Performance
- High Rigidity
- Suitable for Mould Making
- Cast iron is tempered for stress relief to ensure structural stability without deformation
- C3 class ballscrews ensure the highest accuracy and durability
- Pre-tension on all axis minimizes thermal distortion



Technical Specifications	VL13	VL15
Table		
Table size	1500 × 650mm	1700 x 700mm
T-slots (width x number x distance)	18 x 5 x 100mm	18 x 6 x 100mm
Max. load	1200kg	1500kg
Travel		
X/Y/Z Travel	1300 / 650 / 600mm	1500 / 760 / 700mm
Spindle nose to table	150 - 750mm	130 - 830mm
Spindle centre to column	697mm	802mm
Spindle		
Spindle taper	BT40	
Spindle speed	10,000 min ⁻¹	
Spindle motor power	20 / 53 kW Siemens; 11 / 18.5 kW Fanuc	
Feed		
Rapid feed X/Y/Z	36 m/min	24 m/min
Cutting speed	1-12.000 mm/min	
Tool changer		
Number of tools	24 pcs	
Max. tool length	300mm	
Max. tool diameter	78/125mm	
Max. 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	
Dimensions & weight		
Dimensions	4025 x 3090 x 3185mm	5180 x 2365 x 3170mm
Weight	8000kg	10000kg

Standard Configuration:

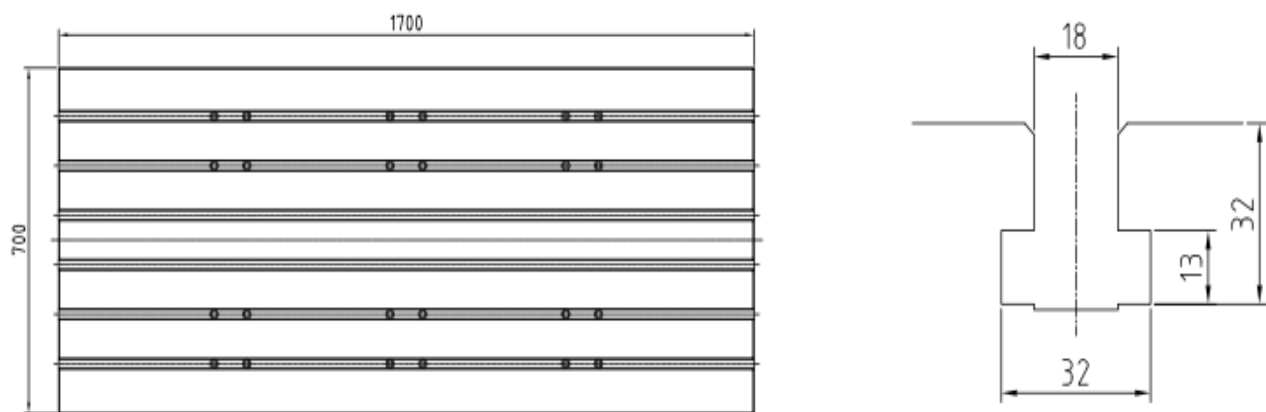
- Siemens 828D/Fanuc Type 3 PLUS
- Fully enclosed splash guard
- Shopmill (Siemens)
- Manual guide I, AICCI and data server (Fanuc)
- Belt drive spindle 10000rpm
- Spindle oil cooler
- Coolant through spindle
- 24 pockets arm tool changer
- Air conditioning for electrical cabinet
- Rigid tapping
- Ethernet CF card and USB interface
- Automatic lubrication system
- Coolant system
- LED work lamp
- End of program light
- Electronic handwheel (MPG)
- Tool box
- Levelling bolts and blocks
- Coolant gun
- Air gun
- Chain type chip conveyor
- Chip flushing system
- Manual

Optional Configuration:

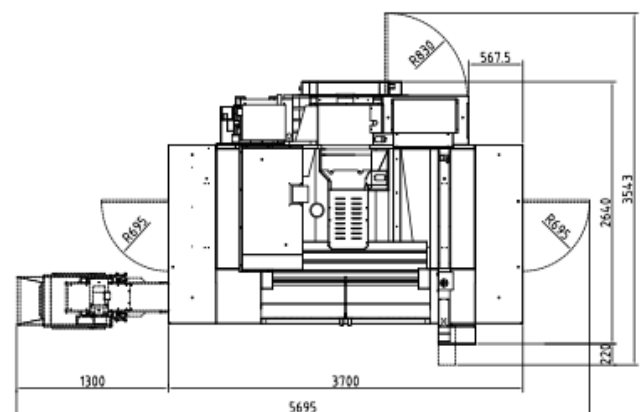
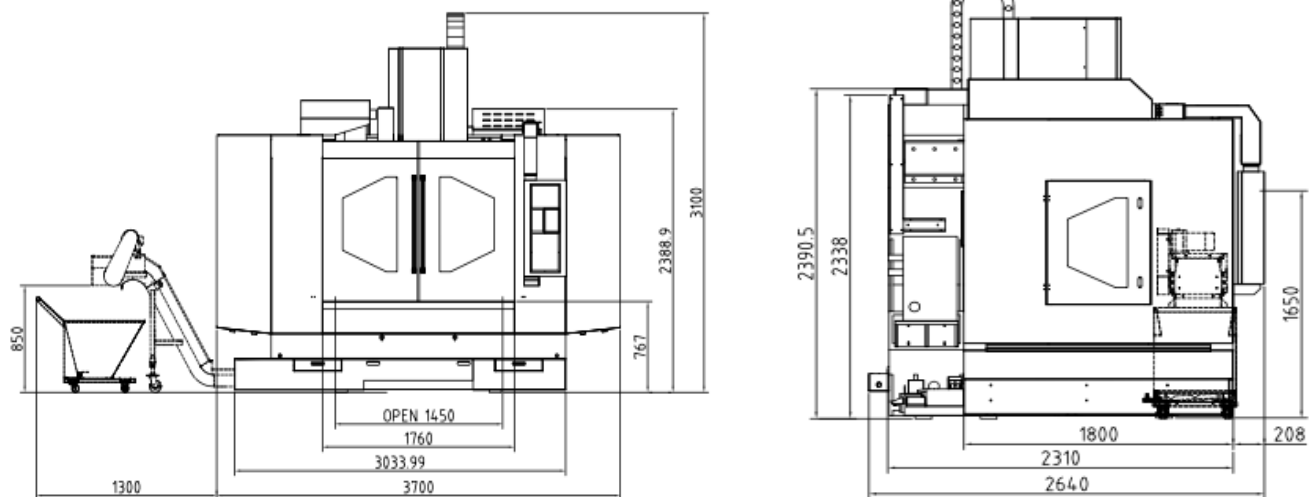
- Spindle speed 12000rpm, Direct drive
- Spindle speed 15000rpm, Direct drive
- BT50 spindle
- 4th or 4/5th Axis
- Workpiece probe
- Tool probe

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

Work table



Dimensions



5th axis, different sizes

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