



Technical Specifications	VL5	
Table		
Table size	650 x 300mm	
T-slot (width x number x distance)	14 x 3 x 100mm	
Max. load	200kgs	
Travel		
X/Y/ZTravel	500 / 300 / 400mm	
SpinIde nose to table	120 - 520mm	
Spindle centre to column	340mm	
Spindle		
Spindle taper	BT4O	
Spindle servo motor	4.8 / 19 Siemens 5.5 / 7.5 Fanuc kW	
Spindle speed	10.000 min ⁻¹	
Feed		
Rapid speed	X/Y: 24, Z: 16 m/min	
Cutting speed	1-10.000 mm/min	
Tool changer		
Number of tools	12 pcs	
Max. tool length	300mm	
Max. tool diameter	90 / 125mm	
Max. tool weight	8kgs	
Accuracy		
VDI 3441 (Full travel)	Positioning accuracy 0.010 / Full Travel Positioning repeatability 0.008mm / Full Travel	
Dimensions & weight		
Dimensions	1660 x 2000 x 2500mm	
Weight	1800kas	

- The best choice for commencing CNC machining training
- Tool room workshop
- Metal parts machining
- Model making
- R&D
- Cast iron is tempered for stress relief to ensure structural stability without deformation



Standard configuration

- ✓ Fully enclosed splash guard
- ✔ Belt drive spindle 10000 rpm
- ✓ 12 position umbrella tool changer
- ✔ Heat exchanger for 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
- ✓ Chip flushing system
- ✓ User Manual

- Spindle cooling system
- Workpiece probe
- Tool probe
- Rotary table
- Oil skimmer





12 station umbrella tool changer



LED Internal lamp



Chip flushing system



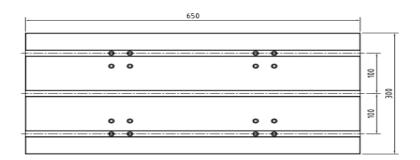
4th axis (optional)

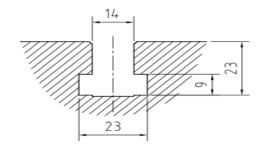


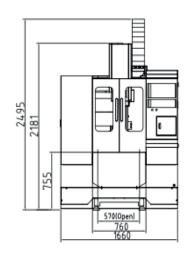
Tool probe (optional)

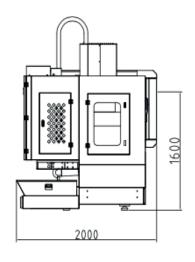


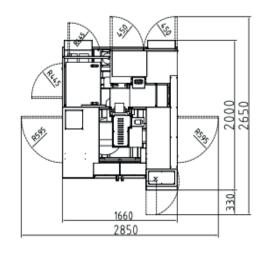
Chip collector & Coolant tank















- Tool room workshop
- Metal parts machining
- Mould making, R&D
- 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



 Providing optimal performance. Ideal for mass production and machining metal parts.

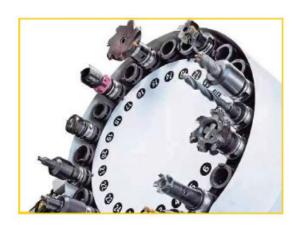
Technical Specification	VL6	
Table		
Table size	750 x 400mm	
T-slot (width x number x distance)	14 x 3 x 125mm	
Max. load	350kgs	
Travel		
X/Y/Z Travel	600 / 400 / 450mm	
Spindle nose to table	110 - 560mm	
Spindle centre to column	434mm	
Spindle		
Spindle taper	BT40	
Spindle speed	10.000 min ⁻¹	
Spindle servo motor	4.8/19 kW Siemens 3.7 / 13 kW Fanuc	
Feed		
Rapid feed X/Y/Z	48 m/min	
Cutting speed	1-12.000 mm/min	
Tool changer		
Number of tools	24 pcs	
Max. tool length	220mm	
Max. tool diameter	78 (125)mm	
Max. tool weight	8kgs	
Accuracy		
VDI 3441 (Full travel)	Positioning accuracy 0.010 / Full Travel Positioning repeatability 0.006mm / Full Travel	
Dimensions & Weight		
Dimensions	1800 × 2530 × 2700mm	
Weight	3500kgs	

Standard configuration

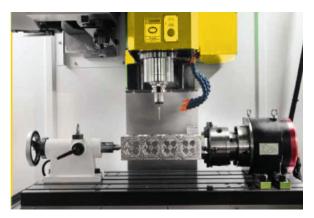
- ✓ Siemens 828D/Fanuc Type 3 PLUS
- ✓ Fully Enclosed Splash Guard
- ✓ Shopmill (Siemens Only)
- ✓ Manual Guide I, AICCII and Data Server (Fanuc)
- ✔ Belt Drive Spindle 10000 rpm
- ✓ Spindle Oil Cooler
- ✓ Coolant Through Spindle
- ✓ 20 Pockets Arm Tool Changer
- ✔ Heat Exchanger for Electrical Cabinet
- ✔ 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
- ✓ Chip Flushing System
- ✓ User Manual

- Spindle Speed 12000 rpm, Direct Drive
- 4th Axis
- Workpiece Probe
- Tool Probe
- Oil Skimmer

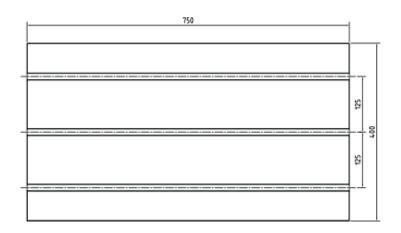


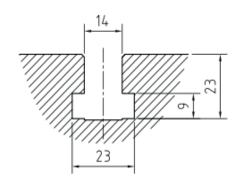


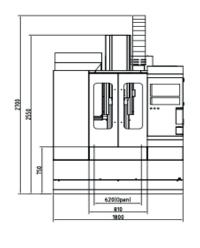
20 pocket arm tool changer

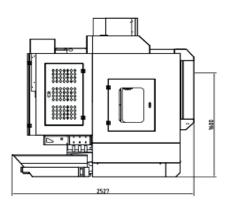


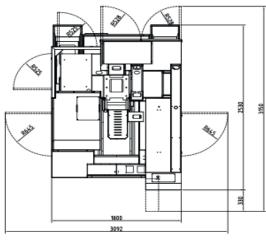
4th axis (optional)

















Technical Specifications	VL7B	
Table		
Table size	900 x 420mm	
T-slot (width x number x distance)	14 x 3 x 125mm	
Max. load	500kgs	
Travel		
X/Y/Z Travel	760 / 450 / 520mm	
Spindle nose to table	100 - 620mm	
Spindle centre to column	517mm	
Spindle		
Spindle taper	BT40	
Spindle speed	10.000 min ⁻¹	
Spindle servo motor	7/15kW, 52/95Nm Siemens 3.7 / 13 kW Fanuc	
Feed		
Rapid feed X/Y/Z	30m/min	
Cutting speed	1-12.000 mm/min	
Tool changer		
Number of tools	24 pcs	
Max. tool length	300mm	
Max. tool diameter	78 (125)	
Max. tool weight	8kgs	
Accuracy (VDI 3441)		
Positioning accuracy (without linear encoder)	0.008mm / Full Travel	
Positioning repeatability (without linear encoder	0.006mm / Full Travel	
Dimensions & Weight		
Dimensions	3250 x 2710 x 2900mm	
Weight	4500kgs	

Standard configuration:

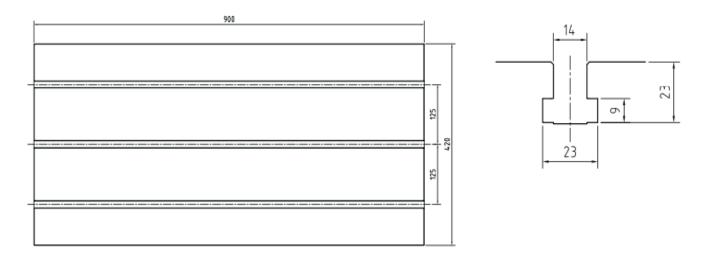
- ✓ Siemens 828D/Fanuc Type 3 **PLUS**
- ✓ Fully Enclosed Splash Guard
- ✓ Shopmill (Siemens) Manual Guide I, AICCII and Data Server (Fanuc)
- ✔ Belt Drive Spindle 10000 rpm
- ✓ Spindle Oil Cooler
- ✔ Coolant Through Spindle ✓ 24 Pockets Arm Tool Changer
- ✔ Air Conditioning for Electrical Cabinet
- ✔ Rigid Tapping
- ✓ Ethernet CF Card and Usb Interface

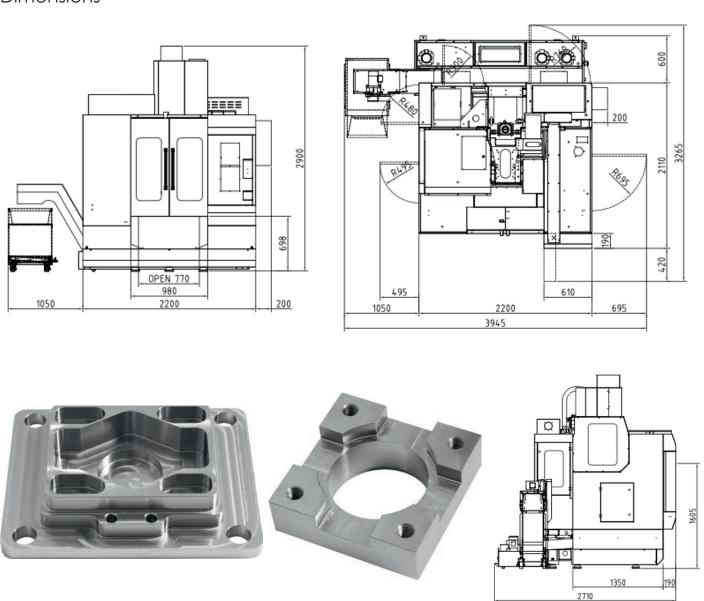
- ✓ Automatic Lubrication System
- ✓ Coolant System
- ✓ Led Working Lamp
- ✓ End Of Program Light
- ✔ Electronic Handwheel (Mpg)
- ✔ Tool Box
- ✓ Leveling Bolts and Blocks
- ✓ Coolant Gun
- ✔ Air Gun
- ✓ Screw Type Chip Conveyor
- ✓ Chip Flushing System
- ✓ User Manual

- Spindle Speed 12000 rpm, Direct Drive
- 4th Axis
- Workpiece Probe
- Tool Probe
- Oil Skimmer



Working table









- High Performance
- High Rigidity
- Suitable for Mould Making

Technical Specifications	VL7	
Table		
Table size	900 x 420mm	
T-slot (width x number x distance)	14 x 3 x 125mm	
Max. load	500kgs	
Travel		
X/Y/Z Travel	760 / 450 / 520mm	
Spindle nose to table	100 - 620mm	
Spindle centre to column	517mm	
Spindle		
Spindle taper	BT40	
Spindle speed	10.000 min ⁻¹	
Spindle servo motor	9 / 22 kW Siemens 7.5/15 kW Fanuc	
Feed		
Rapid feed X/Y/Z	48 m/min	
Cutting speed	1-12.000 mm/min	
Tool changer		
Number of tools	24 pcs	
Max. tool length	300mm	
Max. tool diameter	78 (125)	
Max. tool weight	8kgs	
Accuracy (VDI 3441)		
Positioning accuracy (without linear encoder)	0.008mm / Full Travel	
Positioning repeatability (without linear encoder)	0.006mm / Full Travel	
Positioning accuracy (with linear encoder)	0.006mm / Full Travel	
Positioning repeatability (with linear encoder)	0.004mm / Full Travel	
Dimensions & Weight		
Dimensions	3450 x 2710 x 2900mm	
Weight	4500kgs	

Standard configuration:

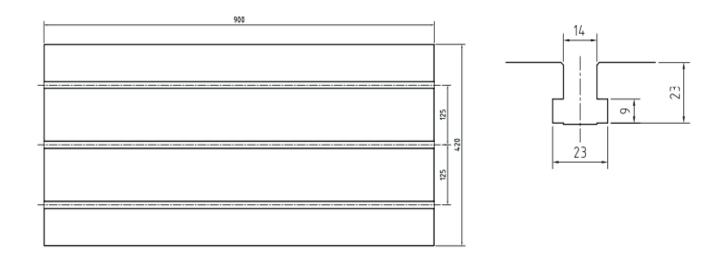
- ✓ Siemens 828D/Fanuc Type 3
- ✓ Fully Enclosed Splash Guard
- ✓ Shopmill (Siemens)
- ✓ Manual Guide I, AICCII and Data Server (Fanuc)
- ✔ Belt Drive Spindle 10000 rpm
- ✓ Spindle Oil Cooler
- ✓ Coolant Through Spindle
- ✓ 24 Pockets Arm Tool Changer
- ✔ Air Conditioning for Electrical Cabinet
- ✓ Rigid Tapping

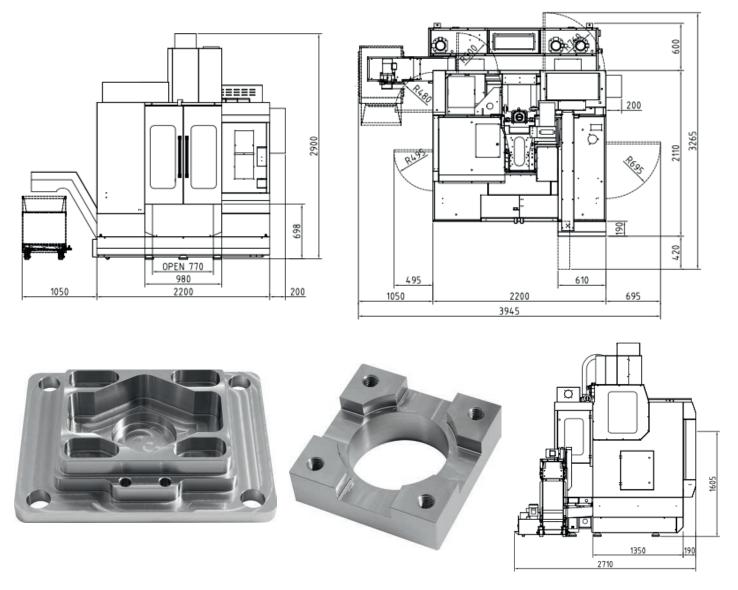
- ✓ Ethernet CF Card and Usb Interface
- ✔ Automatic Lubrication System
- ✓ Coolant System
- ✓ Led Working Lamp
- ✓ End Of Program Light
- ✔ Electronic Handwheel (Mpg)
- ✔ Tool Box
- ✓ Leveling Bolts and Blocks
- ✓ Coolant Gun
- ✔ Air Gun
- ✔ Chain Type Chip Conveyor
- ✓ Chip Flushing System
- ✓ User Manual

- Spindle Speed 12000 rpm, Direct Drive
- 4th or 4/5th Axis
- Workpiece Probe
- Tool Probe
- Oil Skimmer



Working table









- 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



1	
VL9	
1060 × 600mm	
18 x 5 x 100mm	
800kgs	
900 / 600 / 600mm	
150 - 750mm	
652mm	
BT40	
9 / 22 kW Siemens 11 / 18.5 kW Fanuc	
10.000 min ⁻¹	
36 m/min	
1-12.000 mm/min	
24 pcs	
300mm	
78 (125)mm	
8kgs	
0.008mm / Full Travel	
0.006mm / Full Travel	
0.006mm / Full Travel	
0.004mm / Full Travel	
3850 x 2336 x 3000mm	

6300kgs

Standard configuration

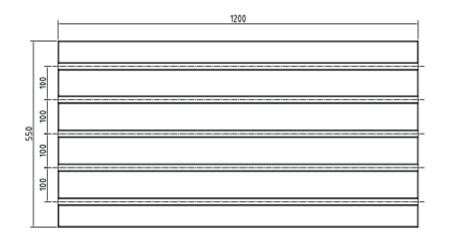
- ✓ Siemens 828D/Fanuc Type 3 PLUS
- ✓ Fully Enclosed Splash Guard
- ✓ Shopmill (Siemens)
- ✓ Manual Guide I, AICCII and Data Server (Fanuc)
- ✔ Belt Drive Spindle 10000 rpm
- ✓ Spindle Oil Cooler
- ✓ Coolant Through Spindle
- ✓ 24 Pockets Arm Tool Changer
- ✓ Air Conditioning for Electrical Cabinet
- ✔ Rigid Tapping
- $lap{arepsilon}$ Ethernet CF Card and Usb Interface
- $lap{\hspace{0.1cm}\checkmark\hspace{0.1cm}}$ Automatic Lubrication System
- ✓ Coolant System
- ✓ Led Working Lamp
- ightharpoonup End Of Program Light
- ✓ Electronic Handwheel (Mpg)
- ✓ Tool Box
- ✓ Leveling Bolts and Blocks
- ✓ Coolant Gun
- ✔ Air Gun
- \checkmark Chain Type Chip Conveyor
- ✓ Chip Flushing System
- ✓ User Manual

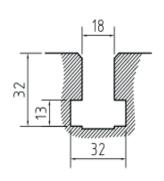
Optional configuration

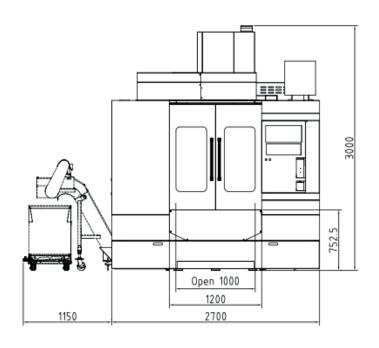
- Spindle Speed 12000 rpm, Direct Drive
- Spindle Speed 15000 rpm, Direct Drive
- 4th or 4/5th Axis
- Workpiece Probe
- Tool Probe
- Oil Skimmer

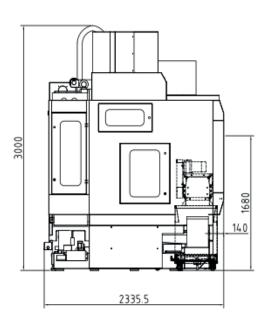
Weight



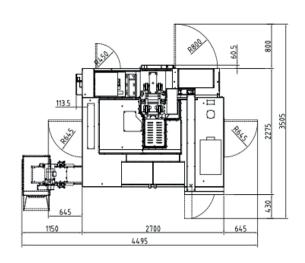
















Technical Specifications	VL10	
Table		
Table size	1100 x 500mm	
T-slot (width x number x distance)	18 x 5 x 100mm	
Max. load	600kgs	
Travel		
X/Y/Z Travel	1020 / 530 / 560mm	
Spindle nose to table	115 - 675mm	
Spindle centre to column	566mm	
Spindle		
Spindle taper	BT40	
Spindle speed	10.000 min ⁻¹	
Spindle servo motor	9 / 22 kW Siemens 7.5 / 15 kW Fanuc	
Tool changer		
Number of tools	24 pcs	
Max. tool diameter (without adjacent tool)	78 (125)mm	
Max. tool length	300mm	
Max. tool weight	8kgs	
Feed		
Rapid feed X/Y/Z	48 (opt. 30) m/min	
Cutting speed	1-12.000 mm/min	
Accuracy		
VDI 3441 (Full travel)	Positioning accuracy 0.010 / Full Travel Positioning repeatability 0.006mm / Full Travel	
Dimensions & weight		
Dimensions	3870 x 2175 x 2850mm	
Weight	5000kgs	

- Ideal for mass production and machining metal parts
- Cast iron is tempered for stress relief to ensure structural stability without deformation
- Pre-tension on all axes minimizes thermal distortion
- C3 class ballscrews ensures the highest accuracy and durability



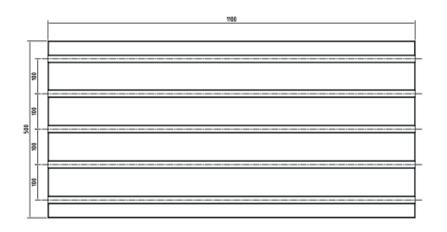
Standard configuration

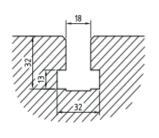
- ✓ Siemens 828D/Fanuc Type 3 PLUS
- ✓ Fully Enclosed Splash Guard
- ✓ Shopmill (Siemens)
- ✓ Manual Guide I, AICCII and Data Server (Fanuc)
- \checkmark Belt Drive Spindle 10000 rpm
- ✓ Spindle Oil Cooler
- ✓ Coolant Through Spindle
- ✓ 24 Pockets Arm Tool Changer
- ✔ Air Conditioning for Electrical Cabinet
- ✓ Rigid Tapping
- ✓ Ethernet CF Card and Usb Interface

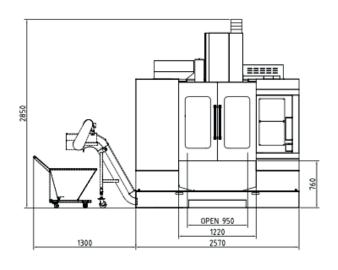
- ✓ Automatic Lubrication System)
- ✓ Coolant System
- ✓ Led Working Lamp
- ✓ End Of Program Light
- ✔ Electronic Handwheel (Mpg)
- ✔ Tool Box
- ✓ Leveling Bolts and Blocks
- Coolant Gun
- ✔ Air Gun
- ✓ Chain Type Chip Conveyor
- ✓ Chip Flushing System
- ✓ User Manual

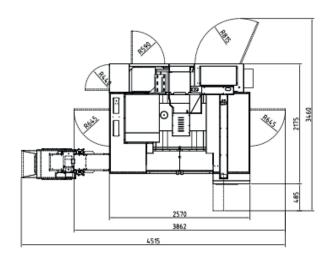
- Spindle Speed 12000 rpm, Direct Drive
- 4th or 4/5th Axis
- Workpiece Probe
- Tool Probe
- Oil Skimmer





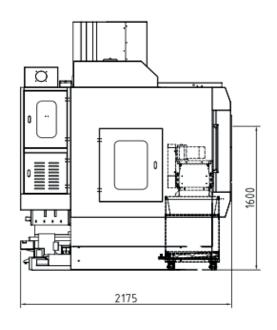








4th axis, diffe ent sizes







Tachnical Specifications	VL11	
Technical Specifications Table	VETT	
Table size	1200 x 600mm	
T-slots	10 - 5 - 100 mana	
(width x number x distance)	18 x 5 x 100mm	
Max. load	1000kgs	
Travel		
X/Y/Z Travel	1100 / 600 / 600mm	
Spindle nose to table	150 - 750mm	
Spindle centre to column	652mm	
Spindle		
Spindle taper	BT40	
Spindle servo motor	9 / 22 kW Siemens 11 / 18.5 kW Fanuc	
Spindle speed	10.000 min ⁻¹	
Feed		
Rapid feed X/Y/Z	36 m/min	
Cutting speed	1-12.000 mm/min	
Tool changer		
Number of tools	24 pcs	
Max. tool length	300mm	
Max. tool diameter	78 (125)mm	
Max. weight	8kgs	
Accuracy (VDI 3441)		
Positioning accuracy (without linear encoder)	0.008mm / Full Travel	
Positioning repeatability (without linear encoder)	0.006mm / Full Travel	
Positioning accuracy (with linear encoder)	0.006mm / Full Travel	
Positioning repeatability (with linear encoder)	0.004mm / Full Travel	
Dimensions & weight		
Dimensions	3850 x 2336 x 3000mm	
Weight	6500kgs	

- 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

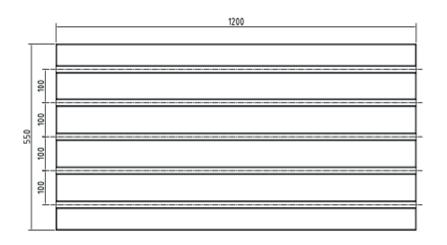


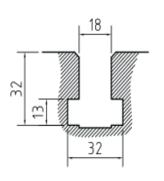
Standard configuration

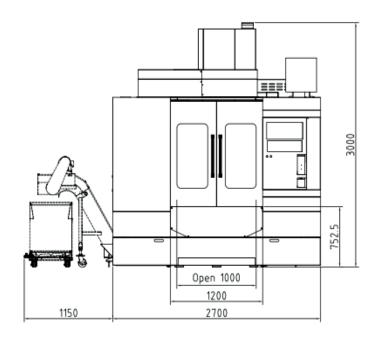
- ✓ Siemens 828D/Fanuc Type 3 PLUS
- ✓ Fully Enclosed Splash Guard
- ✓ Shopmill (Siemens)
- ✓ Manual Guide I, AICCII and Data Server (Fanuc)
- ✔ Belt Drive Spindle 10000 rpm
- ✓ Spindle Oil Cooler
- ✓ Coolant Through Spindle
- ✓ 24 Pockets Arm Tool Changer
- ✔ Air Conditioning for Electrical Cabinet
- ✔ Rigid Tapping
- ✓ Ethernet CF Card and Usb Interface
- ✔ Automatic Lubrication System
- ✓ Coolant System
- \checkmark Led Working Lamp
- ✓ End Of Program Light
- ✔ Electronic Handwheel (Mpg)
- ✔ Tool Box
- \checkmark Leveling Bolts and Blocks
- Coolant Gun
- 🗸 Air Gun
- ✔ Chain Type Chip Conveyor
- ✔ Chip Flushing System
- ✓ User Manual

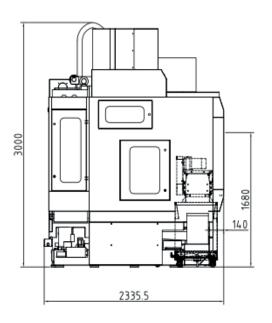
- Spindle Speed 12000 rpm, Direct Drive
- Spindle Speed 15000 rpm, Direct Drive
- 4th or 4/5th Axis
- Workpiece Probe
- Tool Probe
- Oil Skimmer

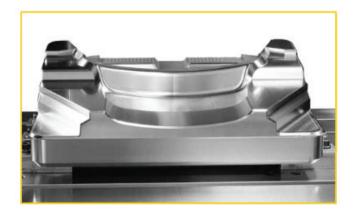


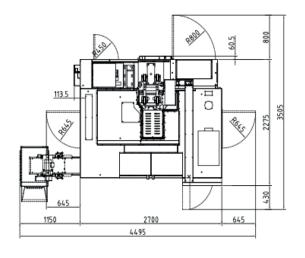














- VL13

 VL13

 Inches Gray
- Cast iron is tempered for stress relief to ensure structural stability without deformation
- C3 class ballscrews ensures the highest accuracy and durability

acrability		
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	ВТ	40
Spindle speed	10,000rpm	
Spindle motor power	20 / 53 kW Siemens; 11 / 18.5 kW Fanuc	
Feed		
Rapid feed X/Y/Z	36 m/min	
Cutting speed	1-12.000 mm/min	
Tool changer		
Number of tools	24	pcs
Max. tool length	300mm	
Max. tool diameter	78/12	25mm
Max. weight	81	(g
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 3693 x 3250mm	5000x2432x- 3100mm
Weight	8000kgs	10000kgs

- High Performance
- High Rigidity
- Suitable for Mould Making

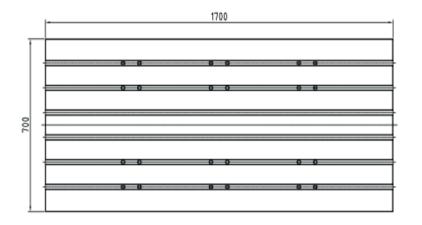


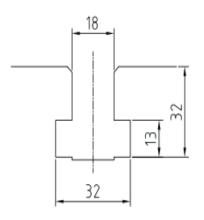
Standard configuration

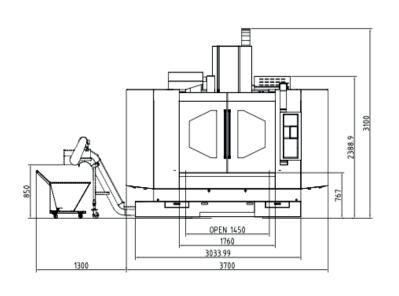
- ✓ Siemens 828D/Fanuc Type 3 PLUS
- ✓ Fully Enclosed Splash Guard
- ✓ Shopmill (Siemens)
- ✓ Manual Guide I, AICCII and Data Server (Fanuc)
- ✔ Belt Drive Spindle 10000 rpm
- ✓ Spindle Oil Cooler
- ightharpoonup Coolant Through Spindle
- \checkmark 24 Pockets Arm Tool Changer
- ✓ Air Conditioning for Electrical Cabinet
- ✔ Rigid Tapping
- $lap{arepsilon}$ Ethernet CF Card and Usb Interface
- ✔ Automatic Lubrication System
- ✓ Coolant System
- ✓ Led Working Lamp
- \checkmark End Of Program Light
- ✔ Electronic Handwheel (Mpg)
- ✓ Tool Box
- ✓ Leveling Bolts and Blocks
- Coolant Gun
- ✔ Air Gun
- ✔ Chain Type Chip Conveyor
- ✓ User Manual

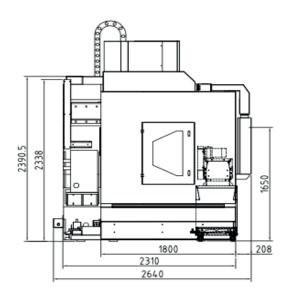
- Spindle Speed 12000 rpm, Direct Drive
- Spindle Speed 15000 rpm, Direct Drive
- BT50 Spindle
- 4th or 4/5th Axis
- Workpiece Probe
- Tool Probe



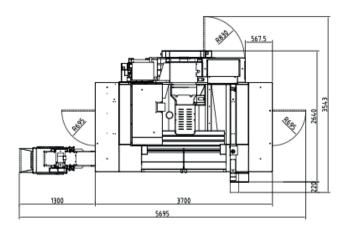












5th axis, diffe ent sizes



Chester Power Centre • VP18



- Ideal choice for heavy duty cutting with larger workpieces
- X and Y axis with roller type linear guideways and Z axis with box-way guideways

Technical Specifications	VP18	
Table		
able size	2000 x 900mm	
r-slot (width x number x distance)	18 x 7 x 120mm	
Max. load	2000kgs	
ravel		
X / Y / Z Travel	1800 / 900 / 600mm	
Spindle nose to table	110 - 710mm	
Spindle centre to column	950mm	
Spindle		
Spindle taper	BT50	
Spindle servo motor	22 / 60 kW Siemens	
·	15 / 18.5 kW Fanuc	
Spindle speed	6.000 min ⁻¹	
Feed		
Rapid speed X/Y/Z	20/20/15 m/min	
Cutting speed	1-12000 mm/min	
Tool changer		
Number of tools	24 pcs	
Max. tool length	400mm	
Max. tool diameter	125 / 245 (next release)mm	
Max. tool weight	15kgs	
Accuracy (VDI 3441)		
Positioning accuracy (without linear encoder)	0.016mm / Full Travel	
Positioning repeatability (without linear encoder)	0.010mm / Full Travel	
Positioning accuracy (with linear encoder)	0.012mm / Full Travel	
Positioning repeatability (with linear encoder)	0.008mm / Full Travel	
Dimensions & weight		
Dimensions	6060 x 3270 x 3650mm	
Weight	17500kgs	

• 50 taper spindle with belt drive 6000 rpm as standard. Optional Gearbox spindle also available.

Standard configuration

- ✓ Siemens 828D/Fanuc Type 3 PLUS
- ✓ Fully Enclosed Splash Guard
- ✓ Shopmill (Siemens)
- ✓ Manual Guide I, AICCII and Data Server (Fanuc)
- ✔ Belt Drive Spindle 10000 rpm
- ✓ Spindle Oil Cooler
- ✓ Coolant Through Spindle
- ✓ 24 Pockets Arm Tool Changer
- \checkmark Air Conditioning for Electrical Cabinet
- ✔ Rigid Tapping
- ✓ Ethernet CF Card and Usb Interface
- ✔ Automatic Lubrication System
- ✓ Coolant System
- ✓ Led Working Lamp
- ✓ End Of Program Light
- $lap{arphi}$ Electronic Handwheel (Mpg)
- ✔ Tool Box
- \checkmark Leveling Bolts and Blocks
- Coolant Gun
- Air Gun
- ✓ 2 Screw Type and 1 Chain Type Chip Conveyor
- ✓ Chip Flushing System
- ✓ User Manual

- Belt Drive Spindle 6000rpm
- Gearbox Spindle 6000rpm
- Z Axis 720mm
- 4th or 4/5th Axis
- Workpiece Probe
- Tool Probe
- Oil Skimmer



