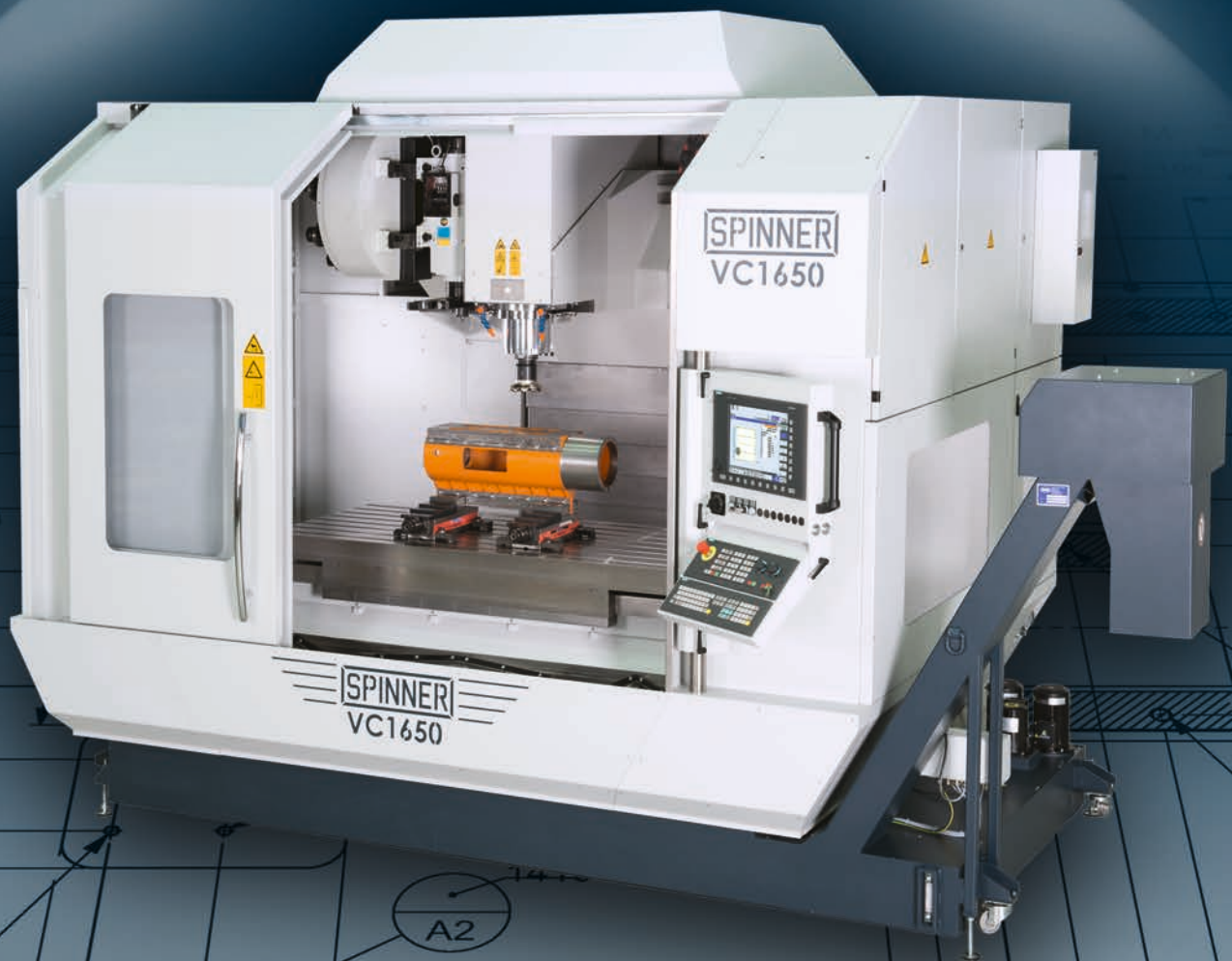


# SPINNER

# VC1650

Performance Machining Centre



Mechanical Engineering

# Made in Germany

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## Compact dimensions

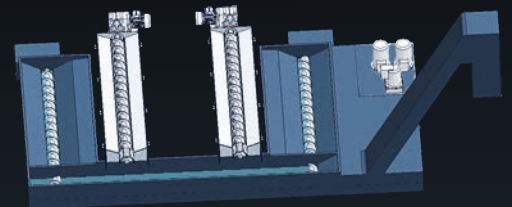
By means of an innovative guideway cover concept the required floor space is up to 30% lower than for similar machines of the same working area.

Siemens  
Heidenhain  
or Fanuc



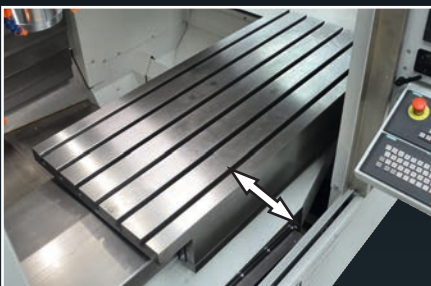
## Optimal chip disposal

There are four additional worm conveyors for automatic chip delivery to the chip conveyor at the front of the machine.



## Small distance to the working table

The distance between the operator and the working table is only 200 mm. This facilitates the easy loading.



Powerful  
Dynamic  
Ergonomic  
Compact  
Made in Germany

## For each application the most suitable spindle

You have the choice of four spindle versions either with high torque of 343 Nm for heavy machining operations or with high speeds up to 18.000 rpm for high speed cutting.

## Large tool magazine

30, 32 or 60 tools are available.

## Cast structure

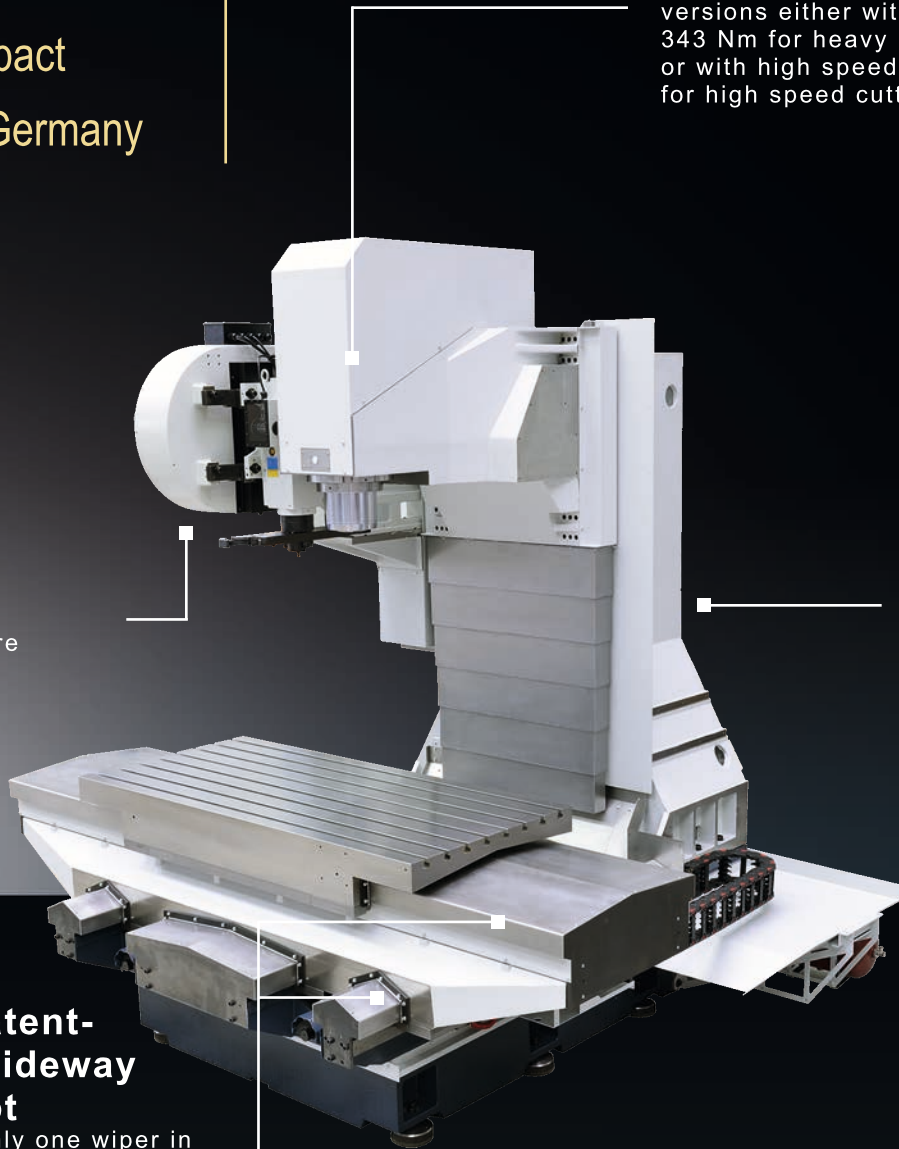
A cast structure optimised by the FEM method ensures high rigidity and high cutting performance.

## Innovative patent-registered guideway cover concept

With respectively only one wiper in X/Y for best guideway protection and easy maintenance instead of vulnerable cover elements.

## Ergonomic operating panel

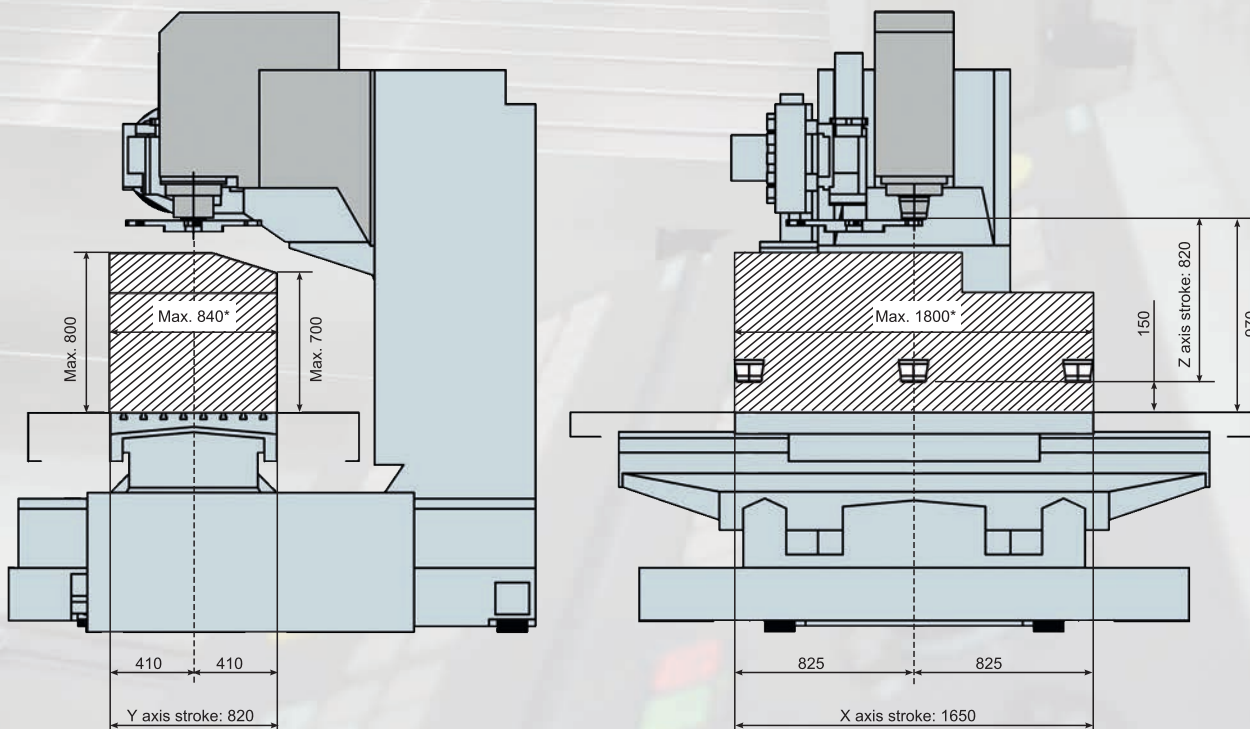
For optimal operating comfort not only the height, but also the angle of the keyboard for the operating panel can be adapted to the operator.





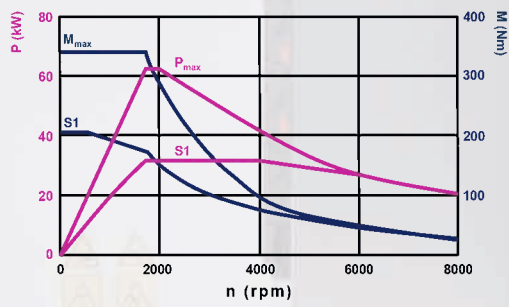
Working area				
X axis	1650 mm			
Y axis	820 mm			
Z axis	820 mm			
Min. distance spindle nose - table	150 mm			
Max. distance spindle nose - table	970 mm			
Machining table				
Table dimensions	1800 x 820 mm			
Max. table load	1000 - <sup>1)</sup> 2000 kg			
T slots	8x 18H7			
Axes				
Feed / Rapid traverse	45 m/min			
Spindle				
Max. spindle speed	8.000 rpm	10.000 rpm	14.000 rpm	18.000 rpm
Tool taper	SK50	SK40	SK40	HSK63
Performance <sup>2)</sup>	62 kW (P <sub>max</sub> )	62 kW (P <sub>max</sub> )	22 kW (S6 25%)	35 kW (S6 25%)
Torque <sup>2)</sup>	343 Nm (M <sub>max</sub> )	285 Nm (M <sub>max</sub> )	117 Nm (S6 25%)	130 Nm (S6 25%)
Tool magazine				
Number of tool stations	30 +1	32 +1 (optional 60 +1)		
Max. tool diameter	125 mm	75 mm		
In case of free adjacent tool stations	229 mm	150 mm	75 mm	
Max. tool length	400 mm	400 mm		
Max. tool weight	15 kg	7 kg		
CNC				
Control system	Siemens 840D-SL, Heidenhain TNC620/640, Fanuc 32iMB			
General indications				
Dimensions (L x W x H) <sup>3)</sup>	3550 x 2750 x 3150 mm			
Weight	~ 14.500 kg			

1) With limited machine dynamic; 2) Example values Siemens; 3) See floorplan

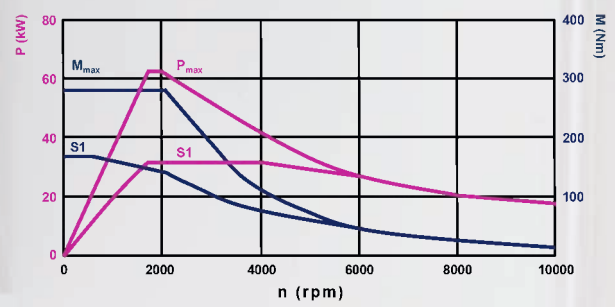


\* Max. workpiece size not shown, observe limitation according to tool length

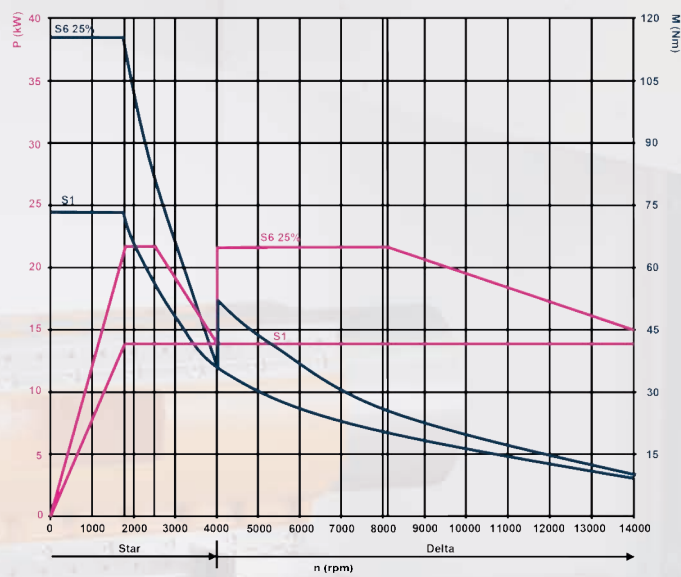
8.000 rpm



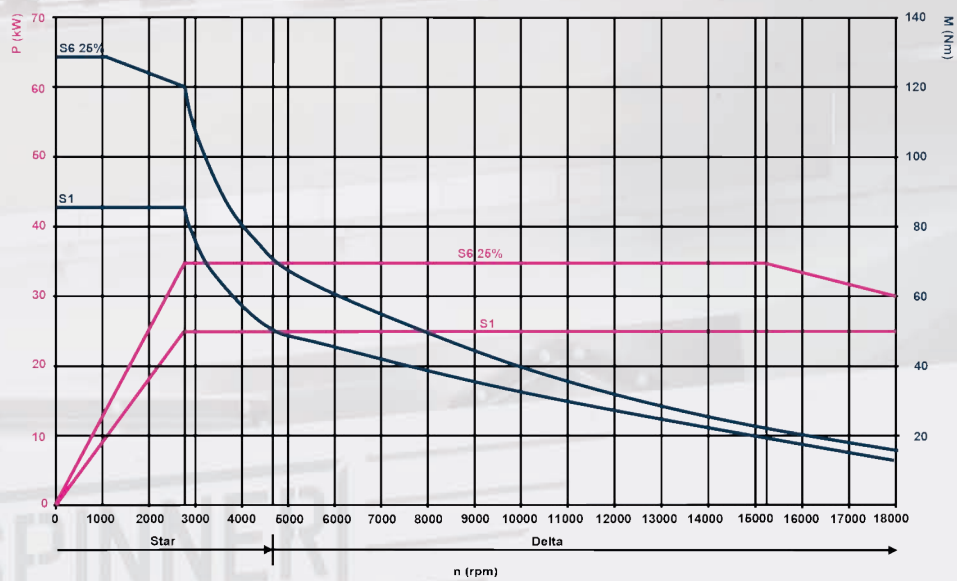
10.000 rpm



14.000 rpm



18.000 rpm





Heidenhain

Siemens 840D SolutionLine  
Heidenhain TNC620/TNC640  
Fanuc 32iMB

8.000 or 10.000 rpm  
14.000 or 18.000 rpm

Suction unit for  
coolant mist

Rotary table

Magazine enlargement  
to 60 +1



Tool packages

High pressure coolant  
22 bar or 70 bar

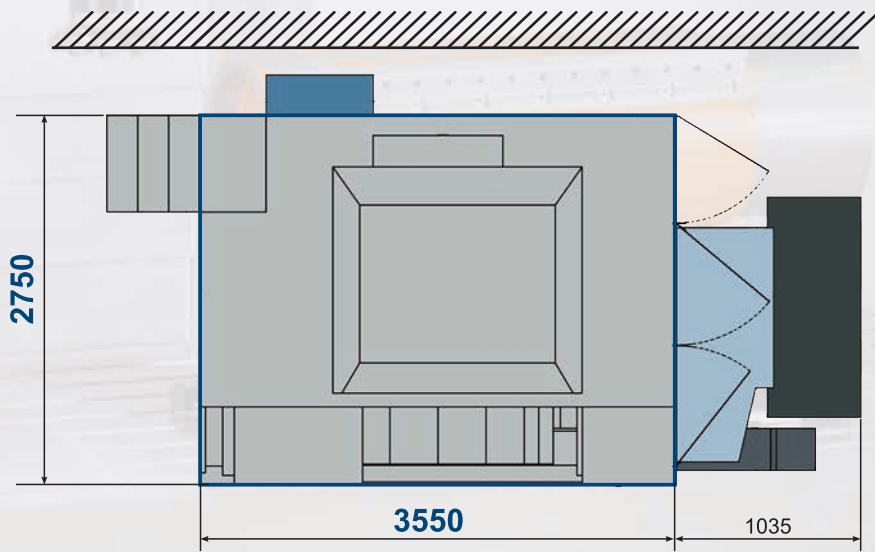
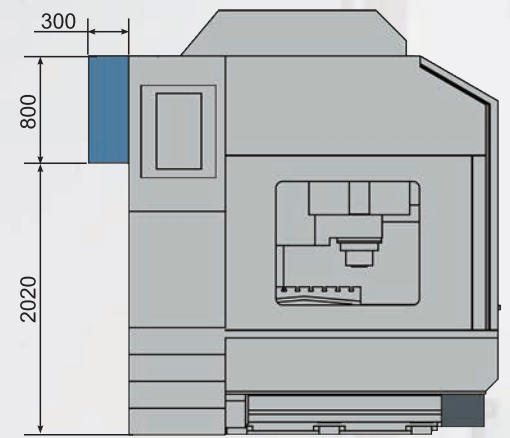
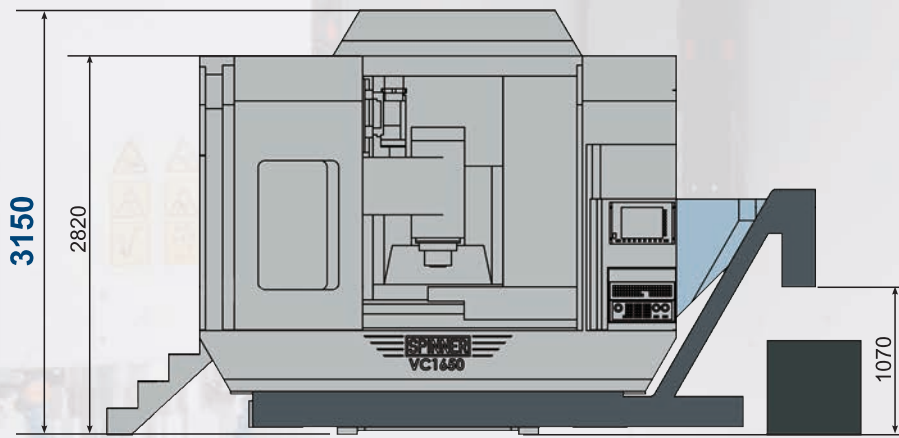
Clamping system  
for the workpiece

Workpiece measurement  
Tool measurement

Coolant pistol in the  
working area

Scales

Other options on demand



- Present in case of 60 tool magazine
- Present in case of 4th axis
- Optional high pressure coolant 22 bar or 70 bar

**Compact dimensions for low space requirement**

**No operating elements at rear side of machine  
Thereby a space-saving installation is possible**







Werkzeugmaschinenfabrik GmbH



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Spinner Machine-Tools are working successfully world wide with many well known clients in more than 60 countries on 6 continents. We have been fortunate enough to attract small component suppliers in addition to well known global groups in all metal machining industries.

We have designed and produced the most modern machine-tools since 1950. More than 20.000 delivered machines demonstrate their high efficiency, precision and reliability, everyday.

Although Spinner is a medium-sized enterprise we produce and sell more than 1.000 CNC machines a year. And the number is increasing every year. Our company combines the know-how of a global player with the flexibility and cost-effective structures of a family owned business.

Place your trust in our products as well and let us know what we can do for you.



Video

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Technical changes of specifications and pictures are subject to change without notice - Pictures can include options, accessories