

SPINNER

VC1650-3A

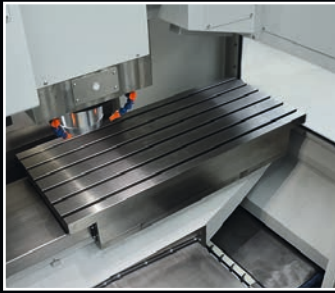
Performance Machining Centre



Mechanical Engineering

Made in Germany

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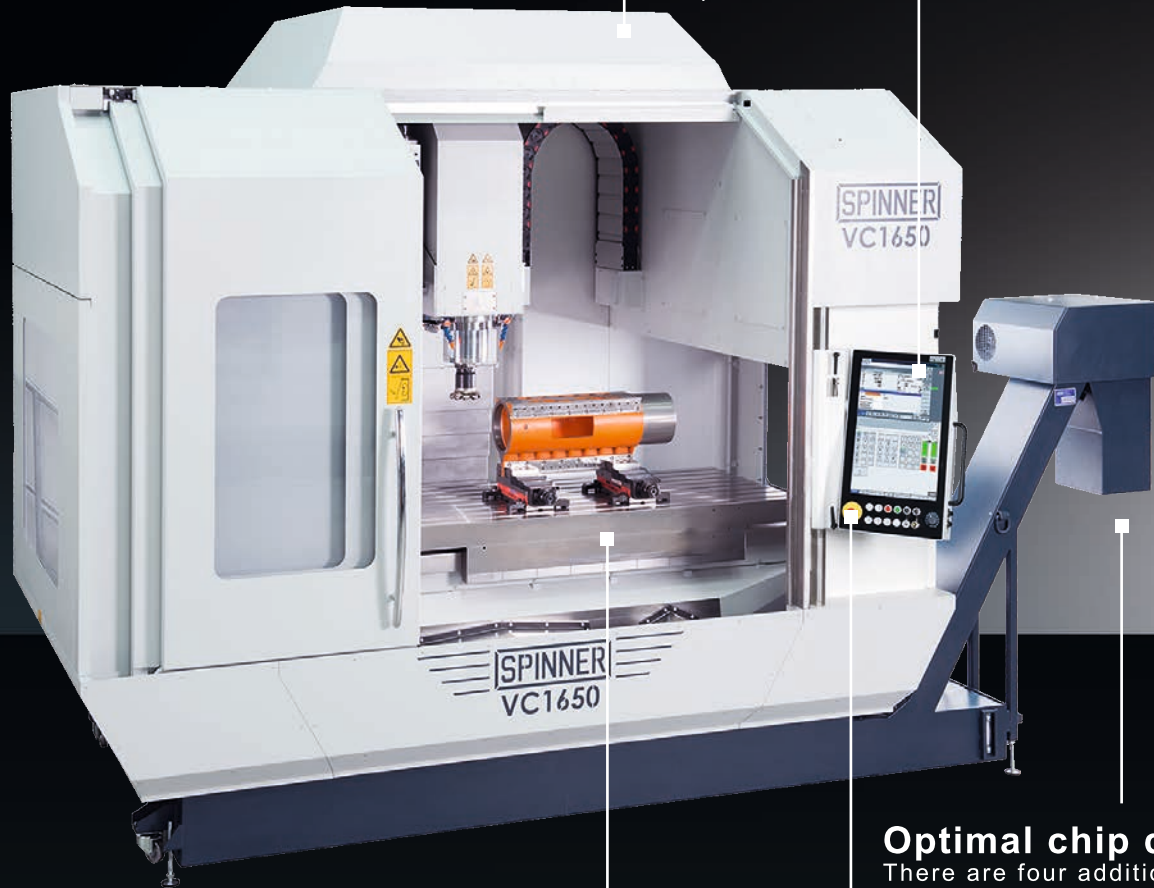
Compact dimensions

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.

SPINNER-Touchpanel 4.0

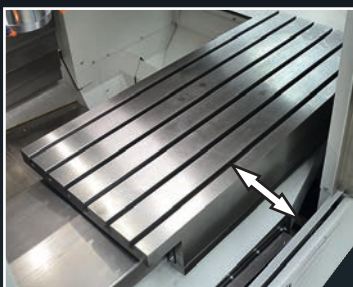
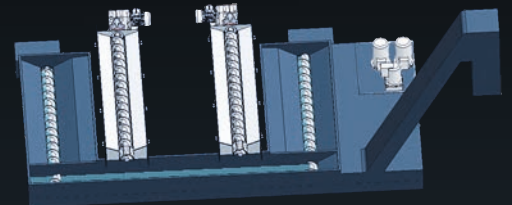
With integrated touch function on 24-inch screen. Prepared for new I4.0 functions for SIEMENS Sinumerik ONE.

The operating panel is height-adjustable and pivotable.



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.

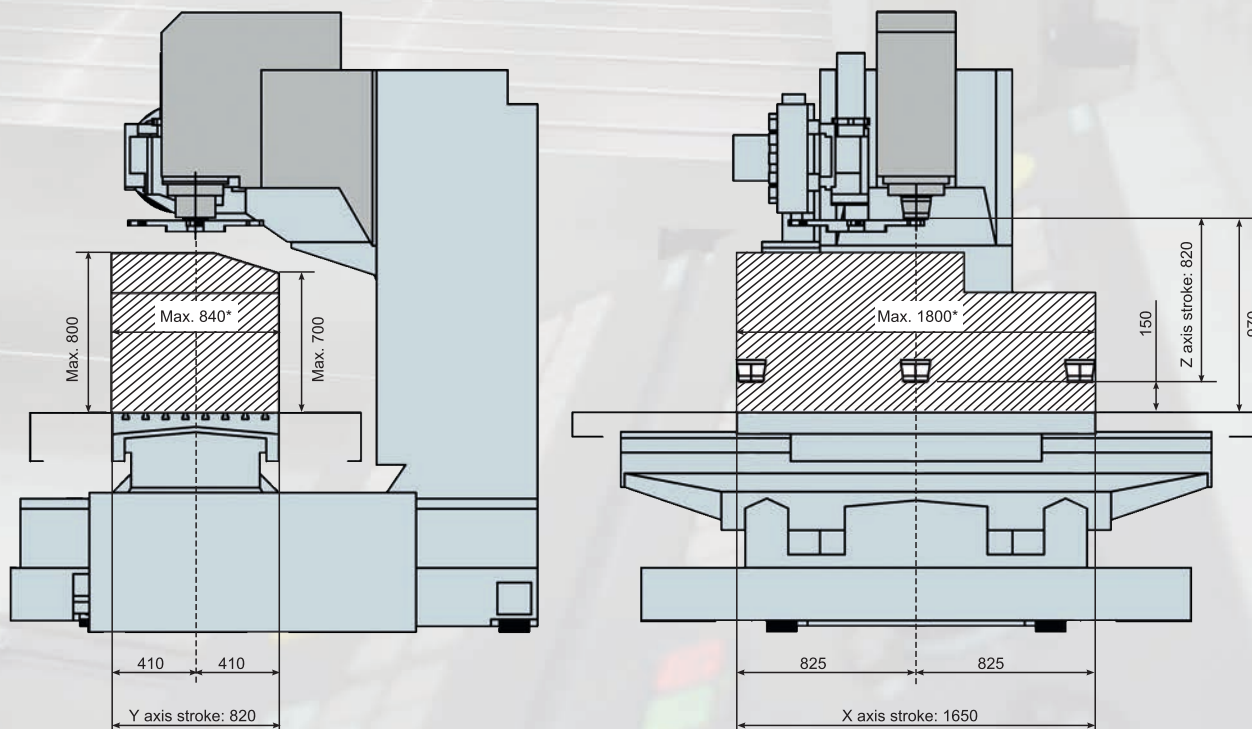
Heidenhain TNC640

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.



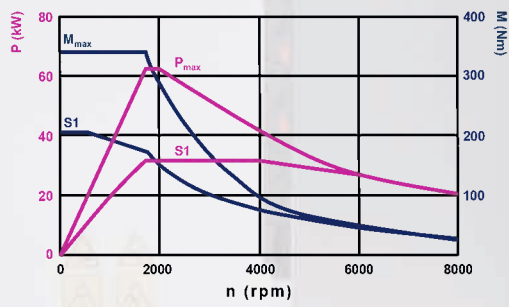
Working area					
X axis	1650 mm (64.96")				
Y axis	820 mm (32.28")				
Z axis	820 mm (32.28")				
Min. distance spindle nose - table	150 mm (5.91")				
Max. distance spindle nose - table	970 mm (38.19")				
Machining table					
Table dimensions	1,800 x 820 mm (70.87" x 32.28")				
Max. table load	1,000 - ¹⁾ 2,000 kg (2,204.62 - ¹⁾ 4,409.25 lb)				
T slots	8x 18H7				
Axes					
Feed / Rapid traverse	45 m/min (1,771.65 IPM)				
Spindle					
Max. spindle speed	8,000 rpm	10,000 rpm	14,000 rpm	15,000 rpm	18,000 rpm
Tool taper	SK50	SK40	SK40	SK40	HSK63
Performance ²⁾	62 kW (P _{max})	62 kW (P _{max})	22 kW (S6 25%)	46 kW (S6 40%)	35 kW (S6 25%)
Torque ²⁾	343 Nm (M _{max})	285 Nm (M _{max})	117 Nm (S6 25%)	200 Nm (S6 40%)	130 Nm (S6 25%)
Tool magazine					
Number of tool stations	30 +1	32 +1 (optional 60 +1)			
Max. tool diameter	125 mm (4.92")	75 mm (2.95")			
In case of free adjacent tool stations	229 mm (9.02")	150 mm (5.91")	130 mm (5.12") ³⁾	120 mm (4.72") ³⁾	100 mm (3.94") ³⁾
Max. tool length	400 mm (15.75")	400 mm (15.75")			
Max. tool weight	15 kg (33.07 lb)	7 kg (15.43 lb)			
CNC					
Control system	Siemens Sinumerik ONE, Heidenhain TNC640				
General indications					
Dimensions (L x W x H) ⁴⁾	3,550 x 2,750 x 3,150 mm (139.76" x 108.27" x 124.02")				
Weight	~ 14,500 kg (31,967.03 lb)				

1) With limited machine dynamic; 2) Example values Siemens; 3) Max. permitted diameter at this speed; 4) See floorplan

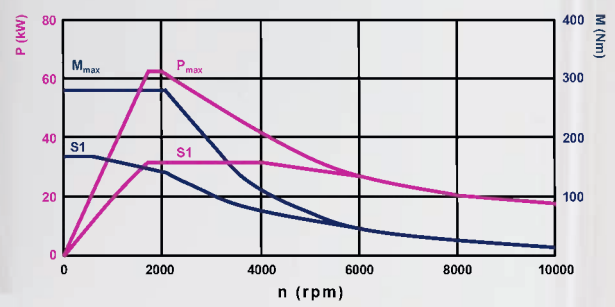


* Max. workpiece size not shown, observe limitation according to tool length

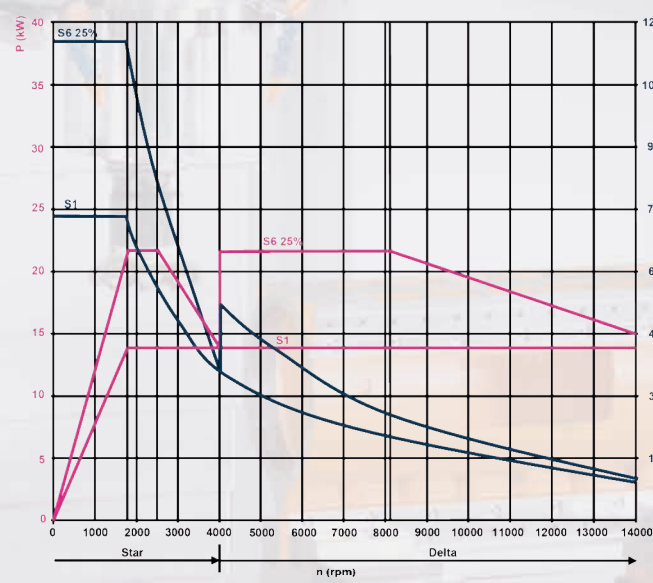
8.000 rpm



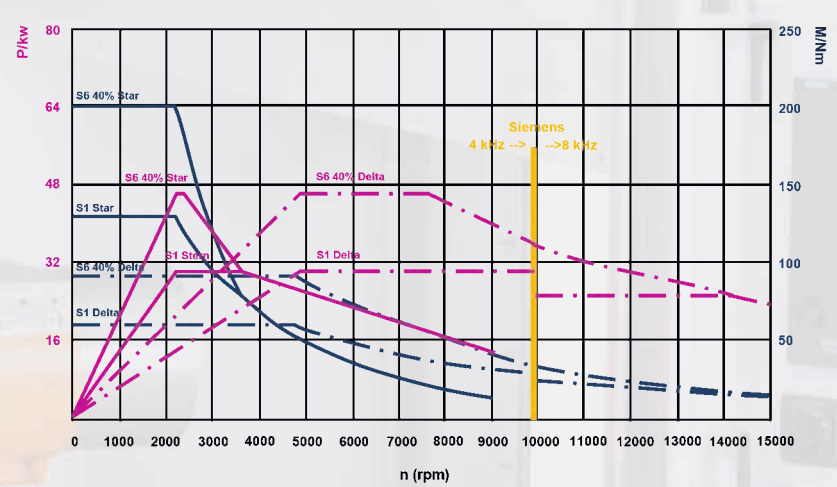
10.000 rpm



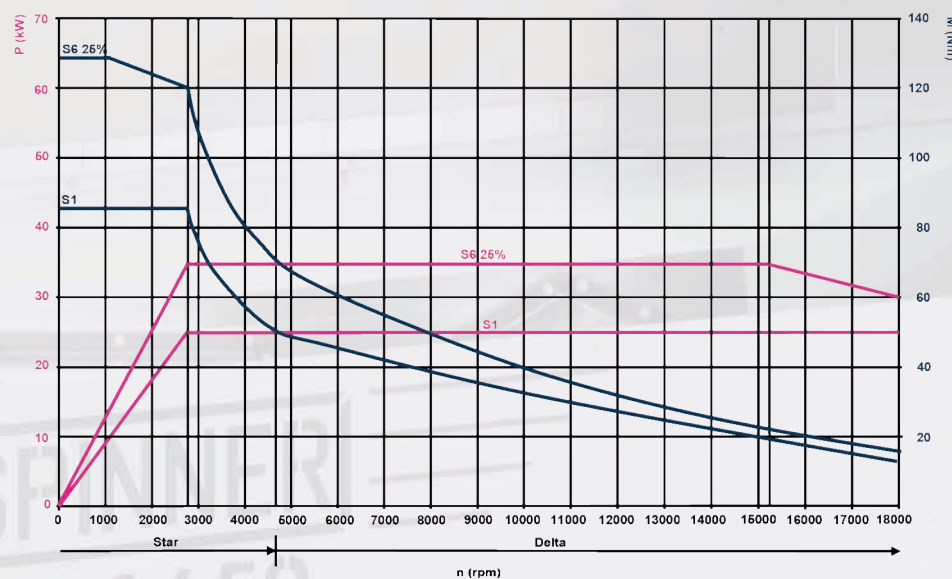
14.000 rpm



15.000 rpm



18.000 rpm





Siemens Sinumerik ONE



Heidenhain TNC640

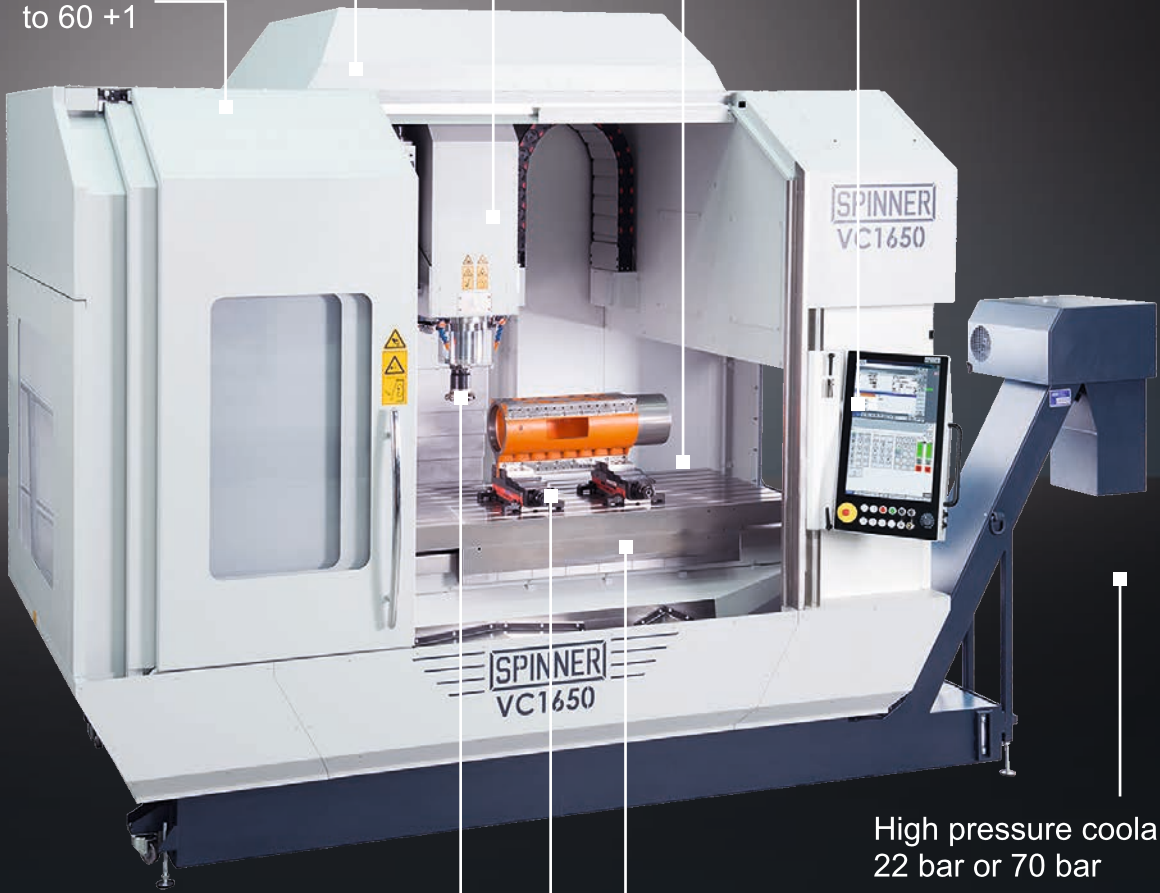
8000, 10000, 14000,
15000 or 18000 rpm

Suction unit for
coolant mist

Siemens Sinumerik ONE
Heidenhain TNC640

Rotary table

Magazine enlargement
to 60 +1



High pressure coolant
22 bar or 70 bar

Tool packages

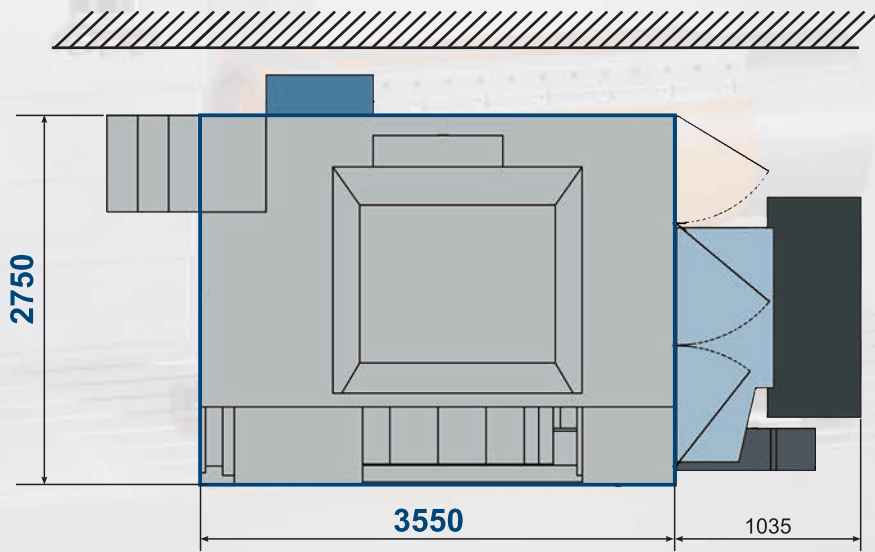
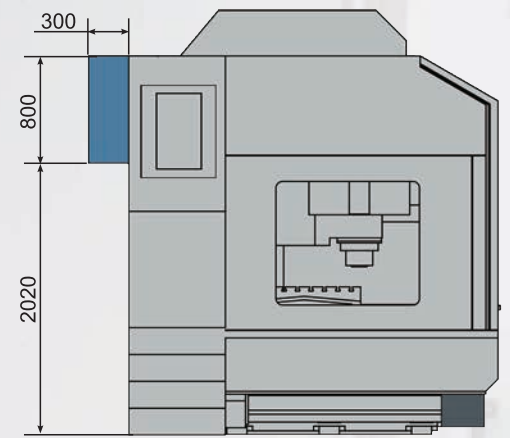
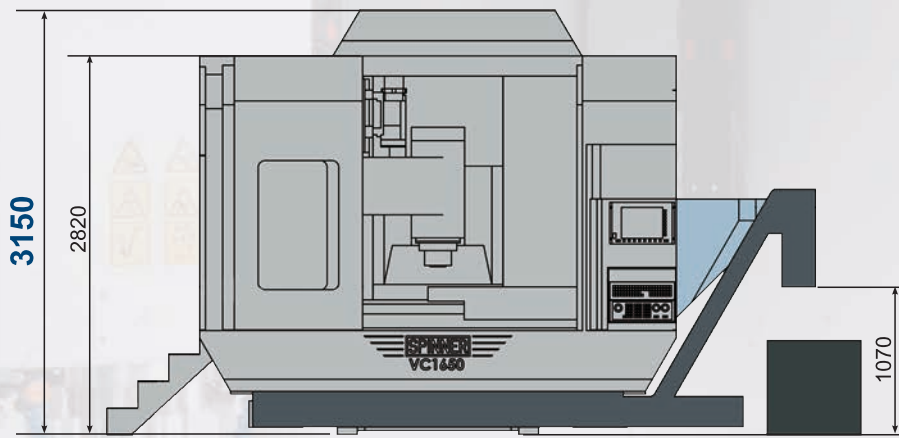
Workpiece measurement
Tool measurement

Clamping system
for the workpiece

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



www.spinner.eu.com

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