

# SPINNER

# TC600

Precise Universal Lathe



Mechanical Engineering  
**Made in Europe**

[www.spinner.eu.com](http://www.spinner.eu.com)  
[sales@spinner.eu.com](mailto:sales@spinner.eu.com)

Ideal for Hard Turning \_\_\_\_\_

Available with or without driven tool and Y axis \_\_\_\_\_

Small distance between operator and chuck \_\_\_\_\_

Compact dimensions for low space requirement \_\_\_\_\_

Latest control system:  
Siemens 840D-SL or Fanuc 32iT

Siemens Operating panel adjustable in height and angle



Chip conveyor as standard

Toolsetter as standard

Perfect free chip fall

Large panoramic window to the working area

Machining of bars or integrated automation with robotic system



Stable  
Compact  
Dynamic  
Universal  
Precise

Powerful tool drive  
in the turret

Rigid SPINNER servo turret  
with BMT45 or VDI30/VDI40  
toolholder

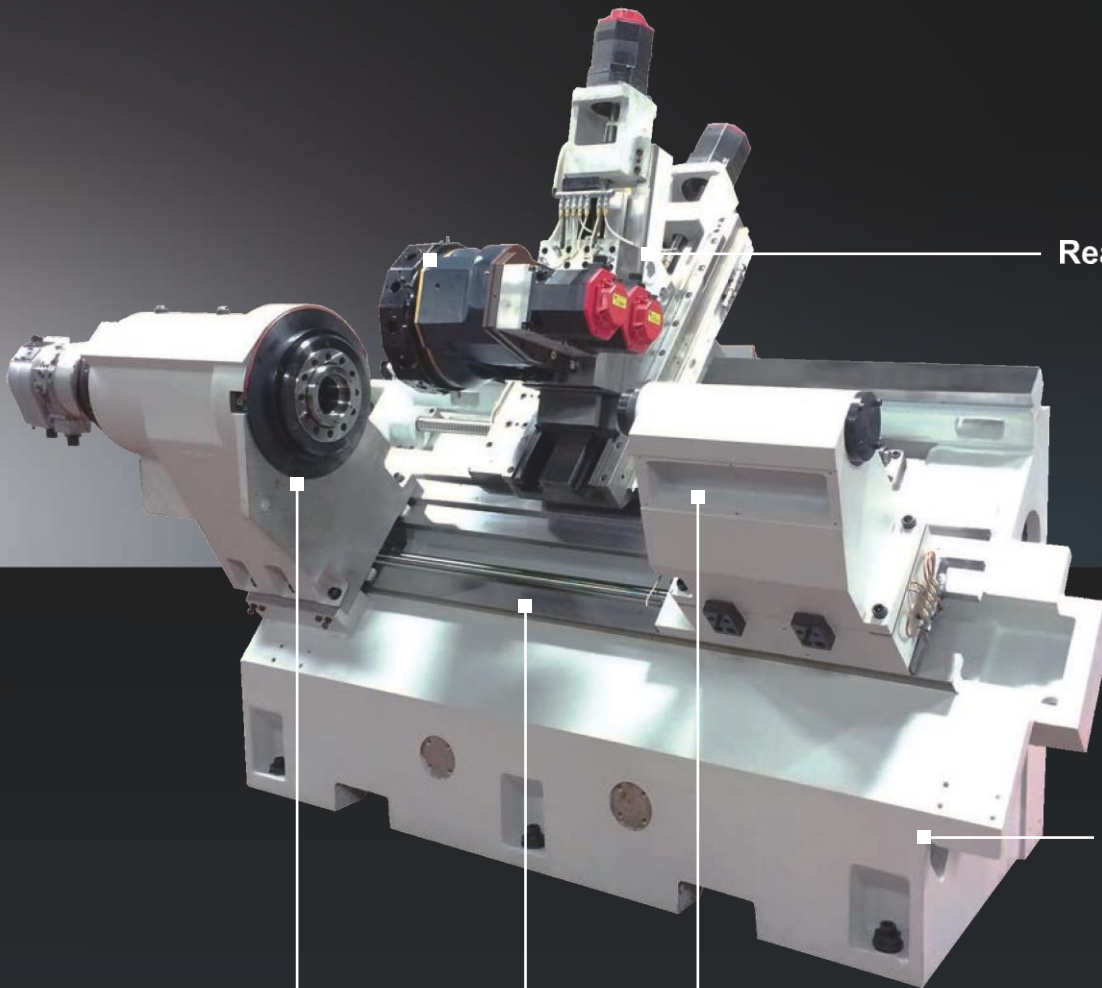
Real Y-axis

Rigid machine  
base as a one-  
piece casting

CNC tailstock  
or subspindle

Modern  
motorspindles with  
65 mm or 85 mm  
bores

Hardened and ground sliding  
guideways for best vibration  
damping



Rigid SPINNER-turret with high milling performance

Up to 16 tool stations VDI30 or BMT45

Up to 12 tool stations VDI40

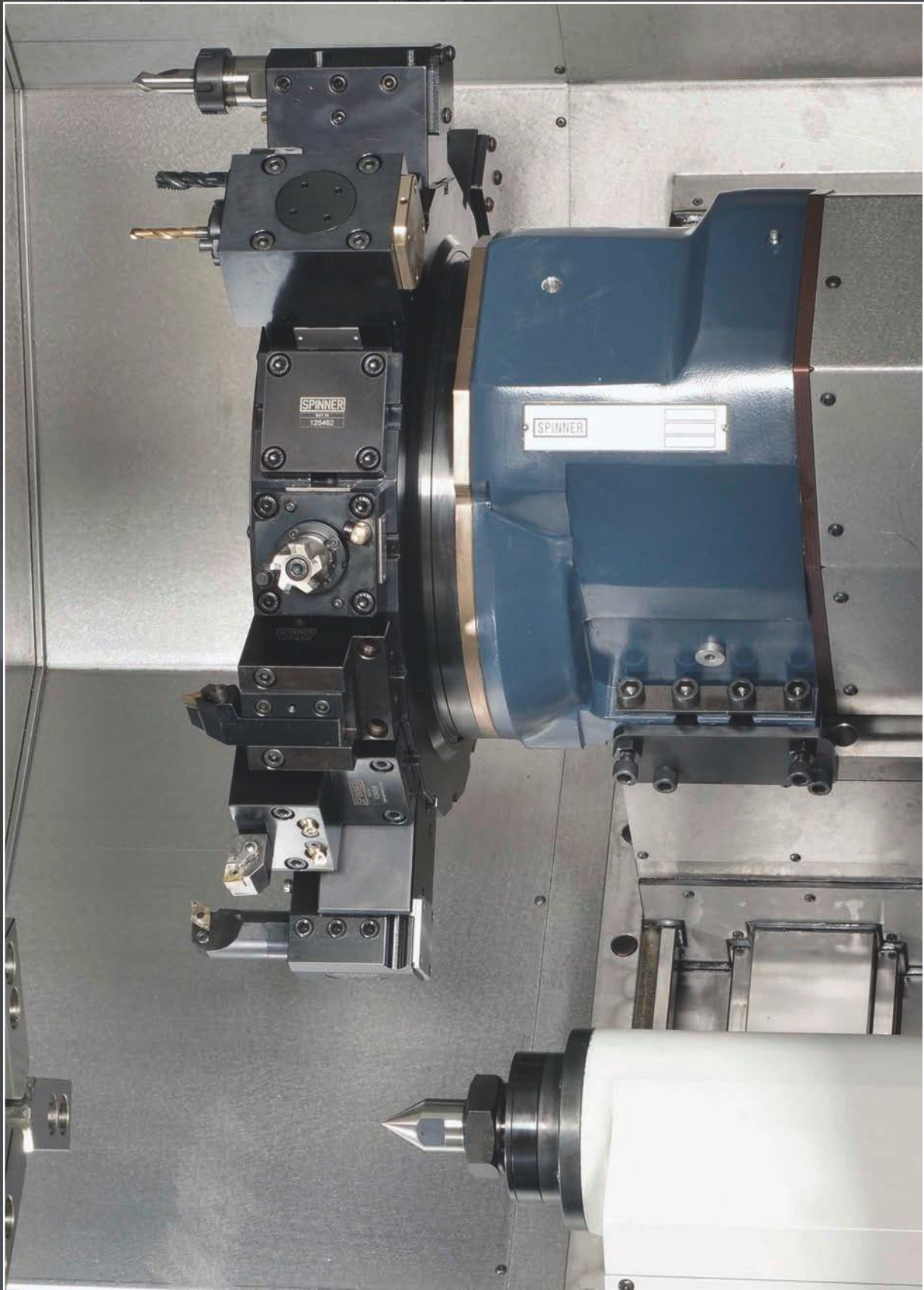
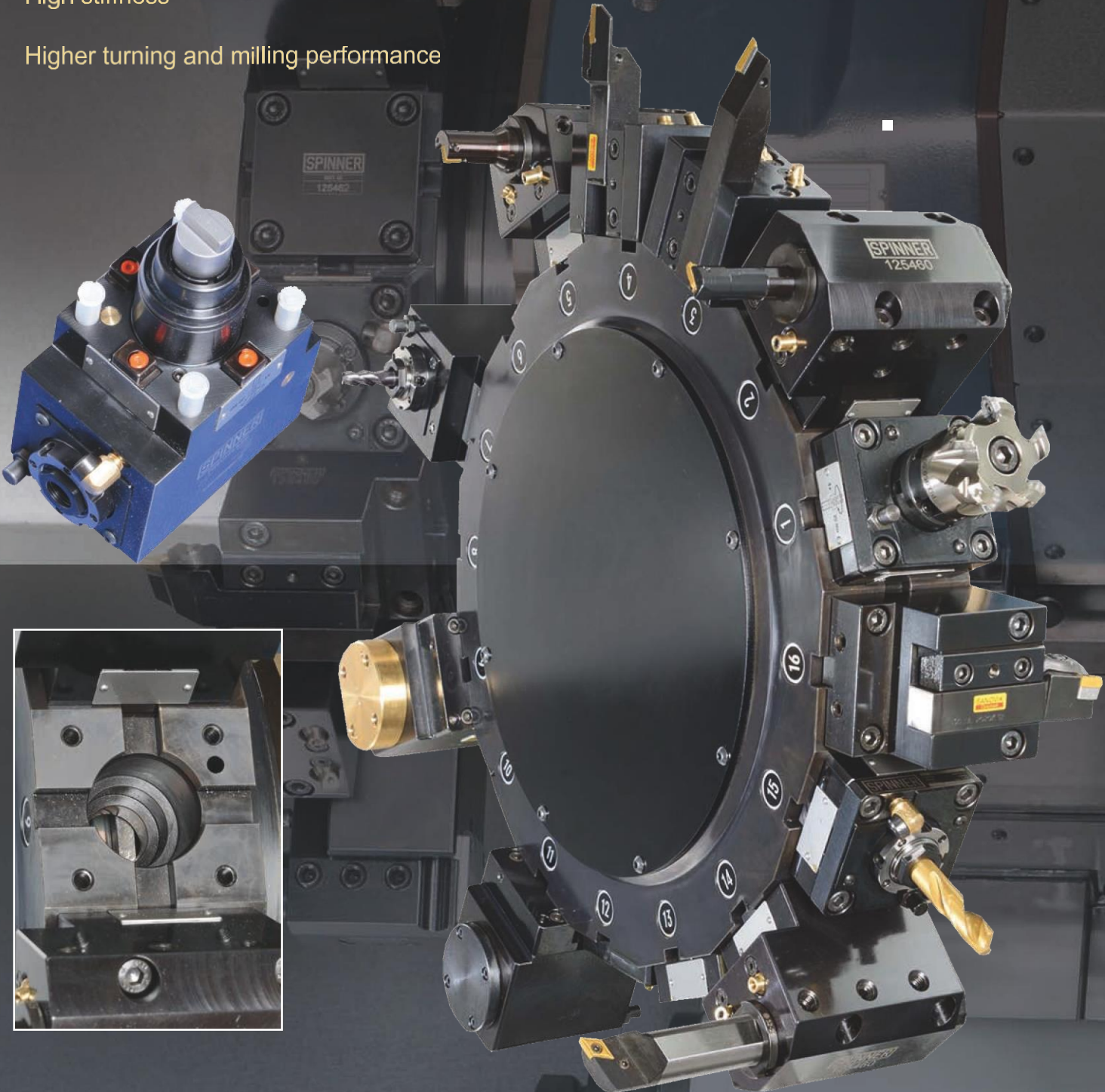


Figure shows turret disc BMT45 and CNC tailstock

## Tool holder BMT45

Your advantages at one glance when using BMT45 tool holders

- High toolholder exchange precision
- No adjustment is required
- High stiffness
- Higher turning and milling performance



Or toolholder VDI30 / VDI40

# Automation solutions

Fully automated production solutions for large-scale production  
FROM A SINGLE SOURCE from SPINNER and SPINNER-  
Automation



## Your advantages at one glance

Increase in productivity

Cost reduction

Optimal processes for your machining requirements

Everything from one source

**Ask us for your solution!**

# Bar feeding system

SPINNER SERVO short bar feeder for feeding bars up to a maximum of 1500 mm



SPINNER SERVO bar loading magazine for feeding bars up to a maximum length of 3200 mm



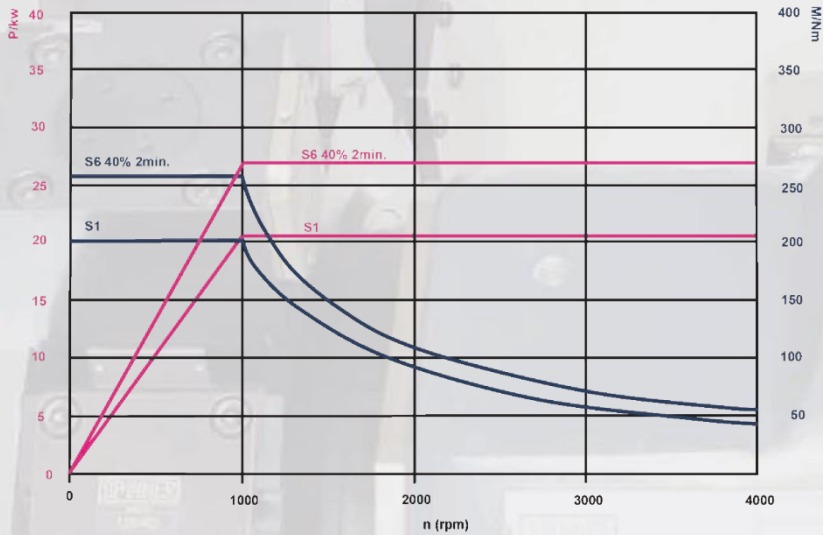
Working area	TC600-65	TC600 85 C
Swing diameter	600 mm	600 mm
Max. turning diameter	~400 mm	~400 mm
Max. turning length	650 mm	650 mm
X1 / Z-axis	275 / 700 mm	275 / 700 mm
Y-axis (option)	+50 / -40 mm	+50 / -40 mm
Axes		
Rapide traverse X / Y / Z	20 / 15 / 25 m/min	20 / 15 / 25 m/min
Spindle 1		
Max. spindle speed	4.000 1/min (option 5.000 rpm)	3.400 1/min (option 4.000 rpm)
Spindle nose	A8/DIN	A8/DIN
Chuck diameter	250 mm	250 mm
Spindle bore	65 mm	85 mm
Performance P <sub>max</sub>	34 kW	34 kW
Torque M <sub>max</sub>	325 Nm	325 Nm
Spindle 2		
Max. spindle speed	6.000 rpm	6.000 rpm
Spindle nose	Ø110 mm	Ø110 mm
Chuck diameter	165 mm	165 mm
Spindle bore	42 mm	42 mm
Performance P <sub>max</sub>	18 kW	18 kW
Torque M <sub>max</sub>	115 Nm	115 Nm
Turret		
Number of tool stations	16 (VDI30), 12 (VDI40), 16 (BMT45)	16 (VDI30), 16 (VDI40), 16 (BMT45)
Number of driven tools (option)	all	all
Toolholder	VDI30 / VDI40 / BMT45	VDI30 / VDI40 / BMT45
Max. speed of driven tools	6.000 rpm	6.000 rpm
Performance P <sub>max</sub>	16,5 kW	16,5 kW
Torque M <sub>max</sub>	35 Nm	35 Nm
General indications		
Dimensions (L x W x H) <sup>1)</sup>	2800 x 1750 x 2090 mm	2800 x 1750 x 2090 mm
Weight <sup>2)</sup>	~5.800 kg	~6.300 kg

1) See floorplan

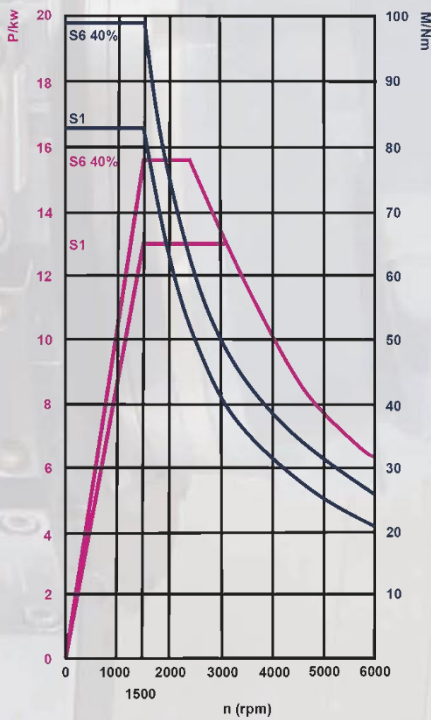
2) Machine net weight SMCY



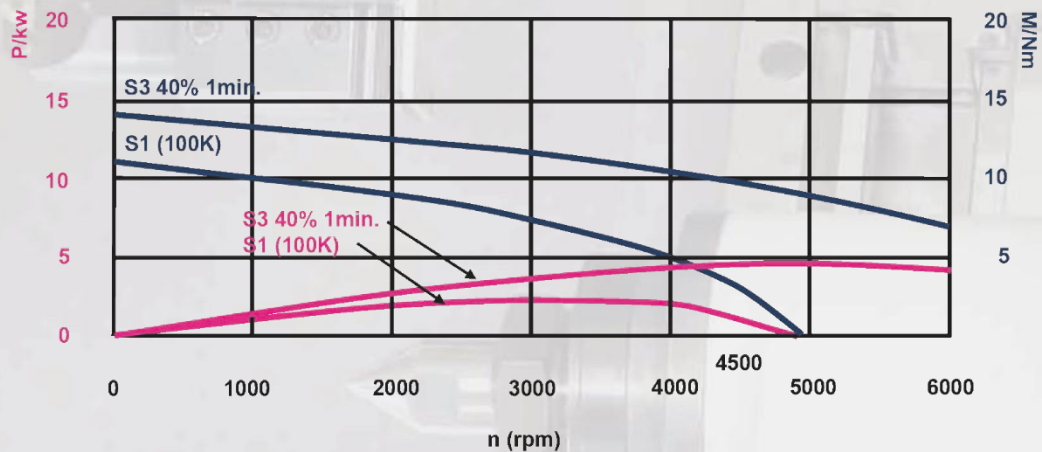
### Main Spindle TC600-65 4.000 rpm



### Sub Spindle TC600 6.000 rpm



### Driven Tool



Air nozzle for compressed air on main spindle/sub spindle

Clamping force control by differential pressure for main spindle and/or sub spindle

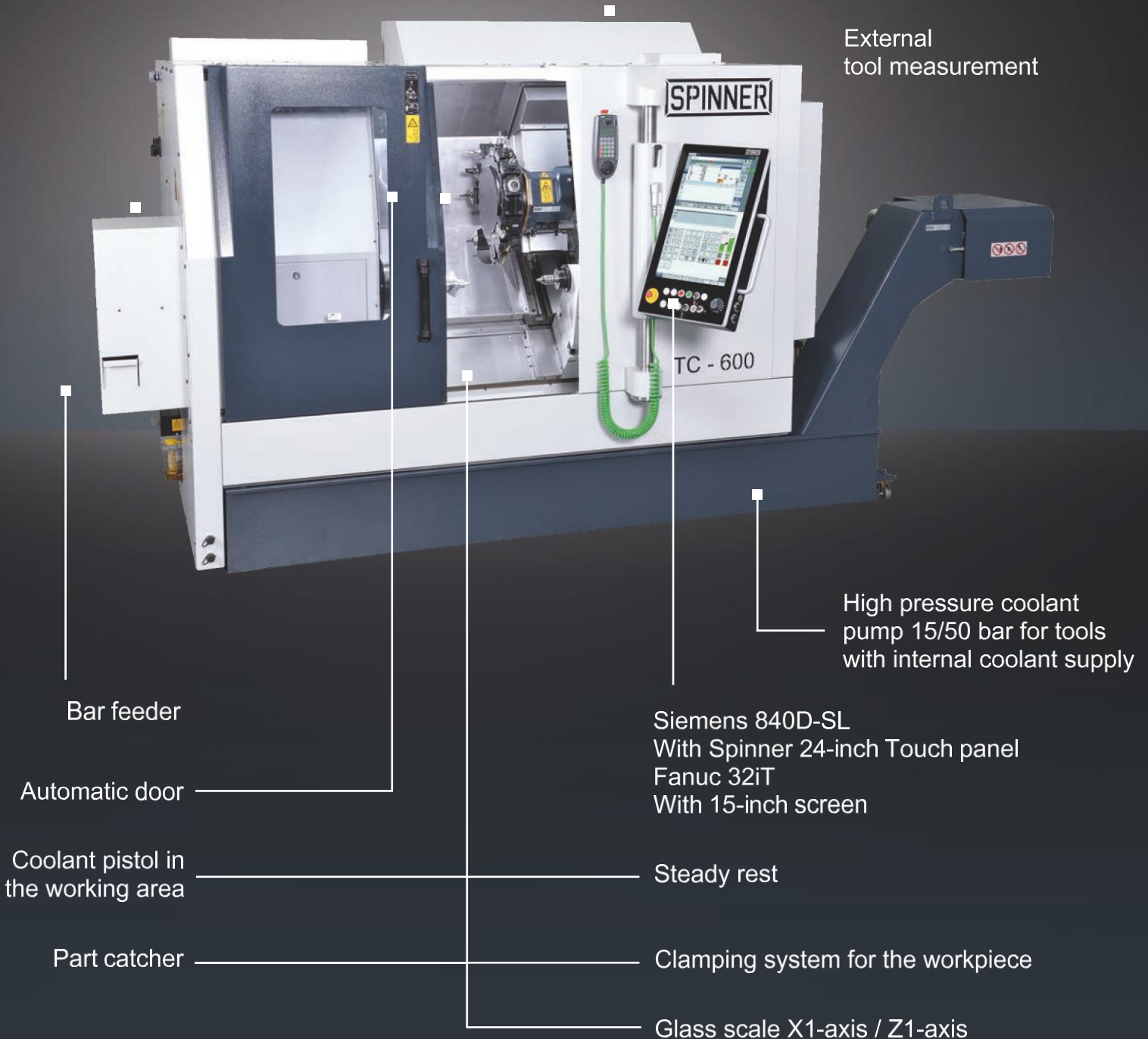
Turret disc VDI40 12-position (standard VDI30)  
Turret disc BMT45 16-position

Toolholder package BMT45  
Toolholder package VDI30/VDI40  
Hard turning package for superfinishing

Component measurement by touch probe in turret

Suction unit for coolant mist  
Fire extinguishing system

External tool measurement



Bar feeder

Automatic door

Coolant pistol in the working area

Part catcher

High pressure coolant pump 15/50 bar for tools with internal coolant supply

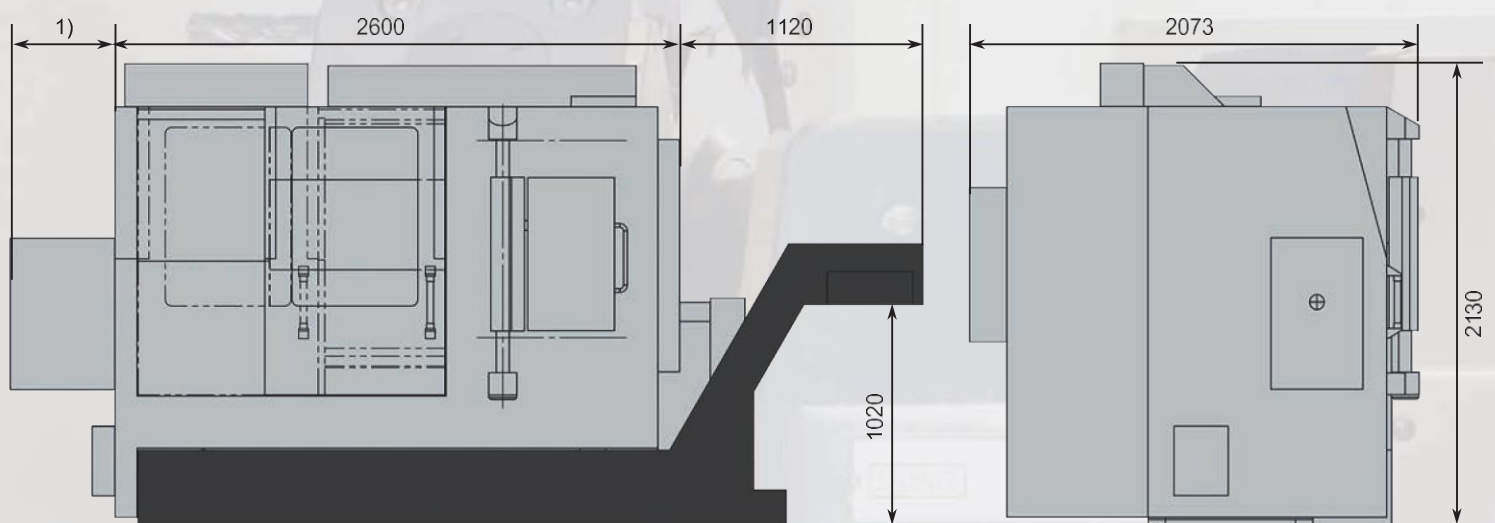
Siemens 840D-SL  
With Spinner 24-inch Touch panel  
Fanuc 32iT  
With 15-inch screen

Steady rest

Clamping system for the workpiece

Glass scale X1-axis / Z1-axis

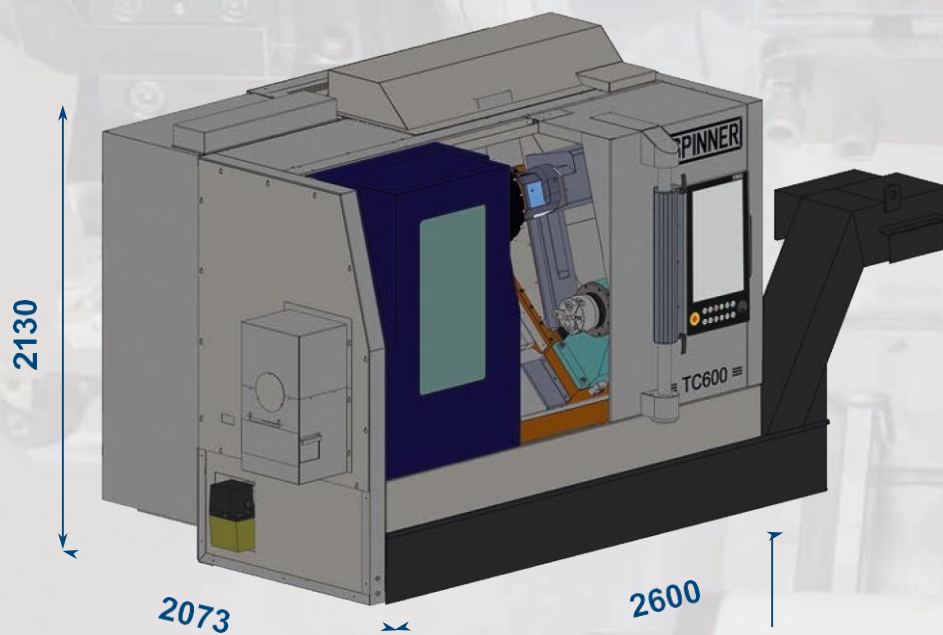
Other options on demand



1) 307 TC600-65

1) 482 TC600-85

■ Version with standard chip conveyor



Compact dimensions for low space requirement



Werkzeugmaschinenfabrik GmbH



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.

[www.spinner.eu.com](http://www.spinner.eu.com)

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



Video

SPINNER Werkzeugmaschinenfabrik GmbH

Rudolf-Diesel-Ring 24

82054 Sauerlach

Tel. +49 (0) 8104 803-0

Fax +49 (0) 8104 803-19

[sales@spinner.eu.com](mailto:sales@spinner.eu.com)



Version 3.12.2020 (GB)

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