

SPINNER

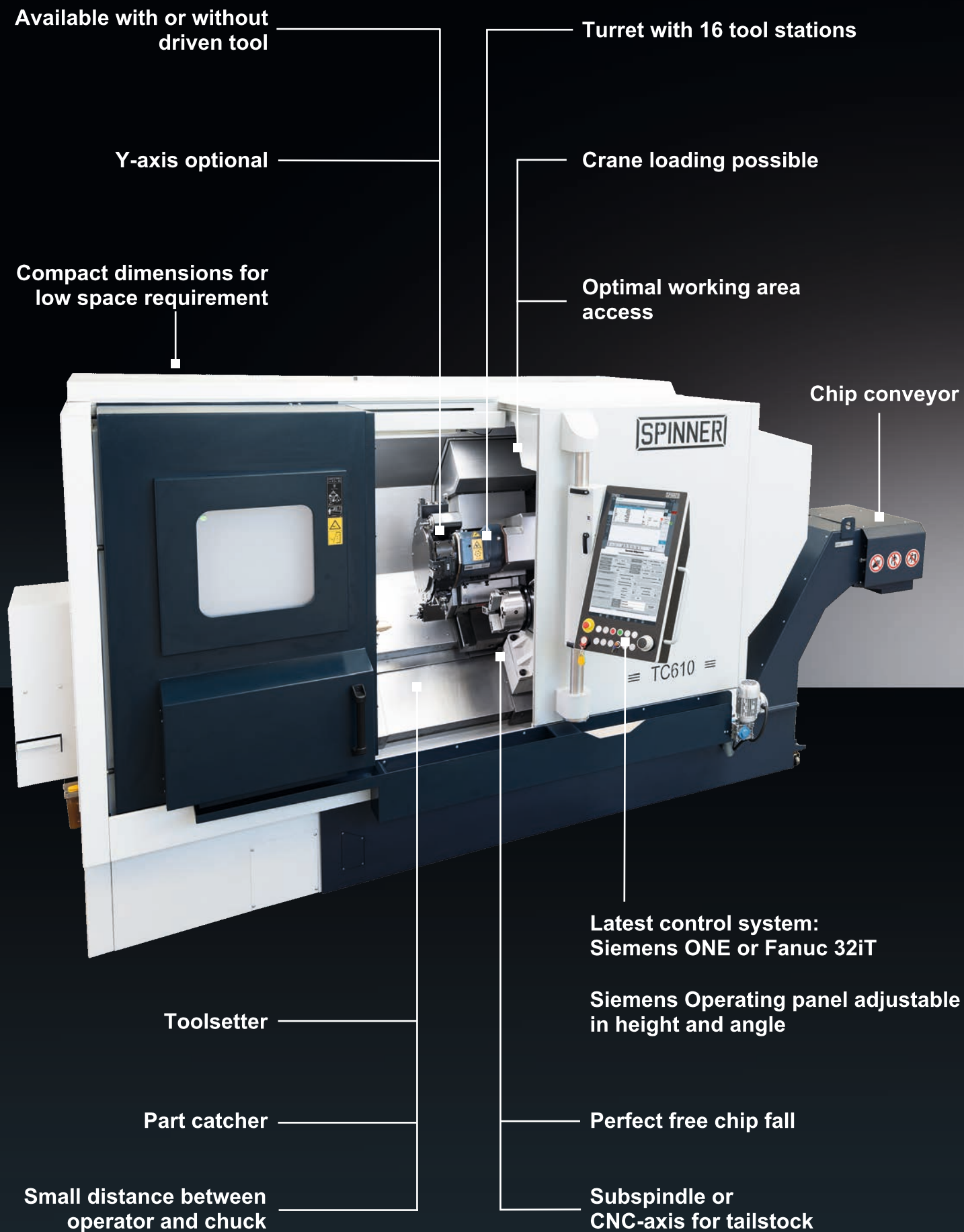
TC610

Precise Universal Lathe



Mechanical Engineering
Made in Europe

www.spinner.eu.com
sales@spinner.eu.com



Stable
Compact
Dynamic
Universal
Precise

Powerful tool drive
in the turret

Rigid SPINNER servo turret
with BMT45 toolholder

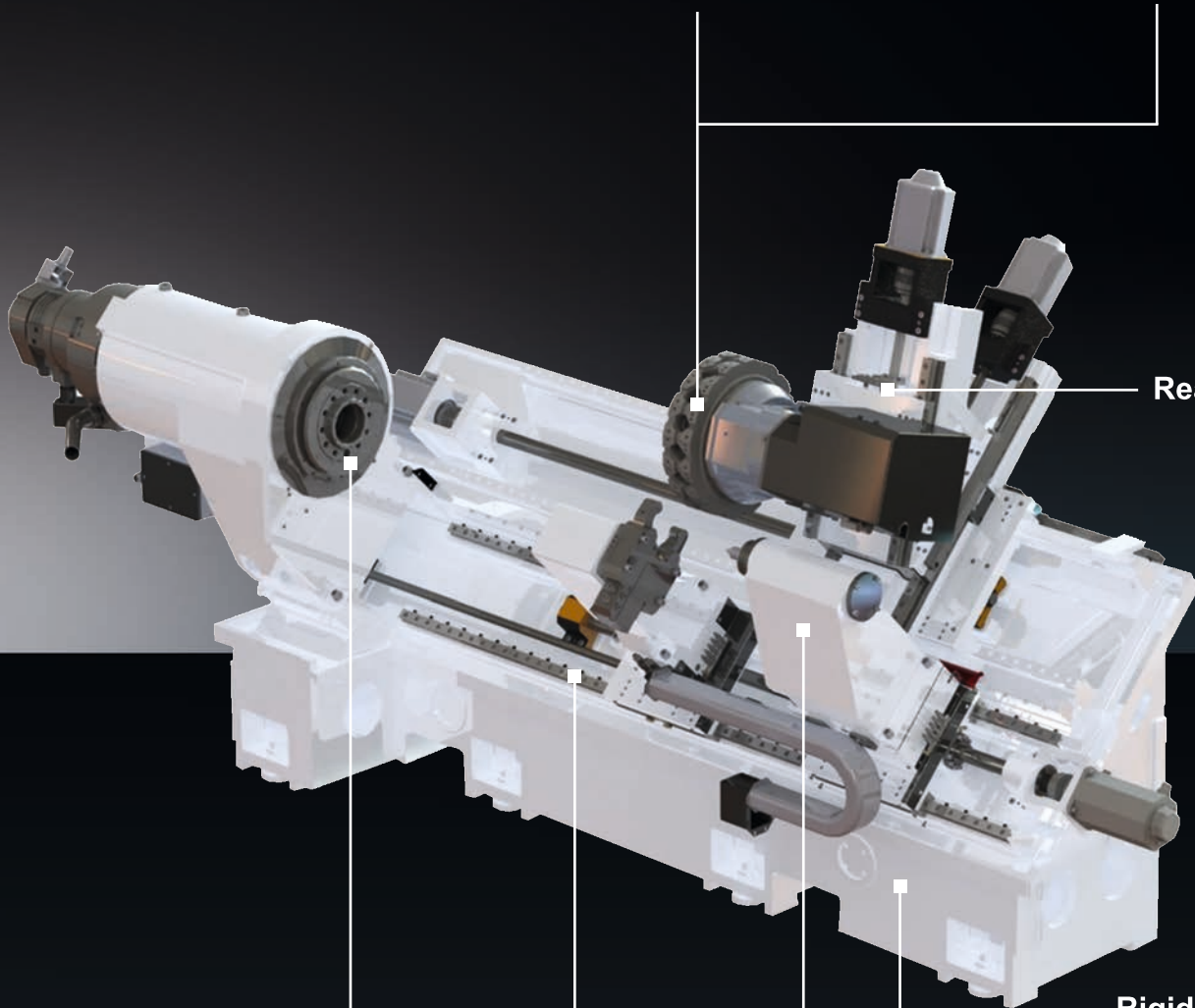
Real Y-axis

Rigid machine
base as a one-
piece casting

CNC-tailstock or
subspindle

With modern linear
guides on rigid
cast construction

Modern
motorspindles with
65 mm or 85 mm
bores



- Rigid SPINNER-turret with high milling performance
- 16 tool stations BMT45

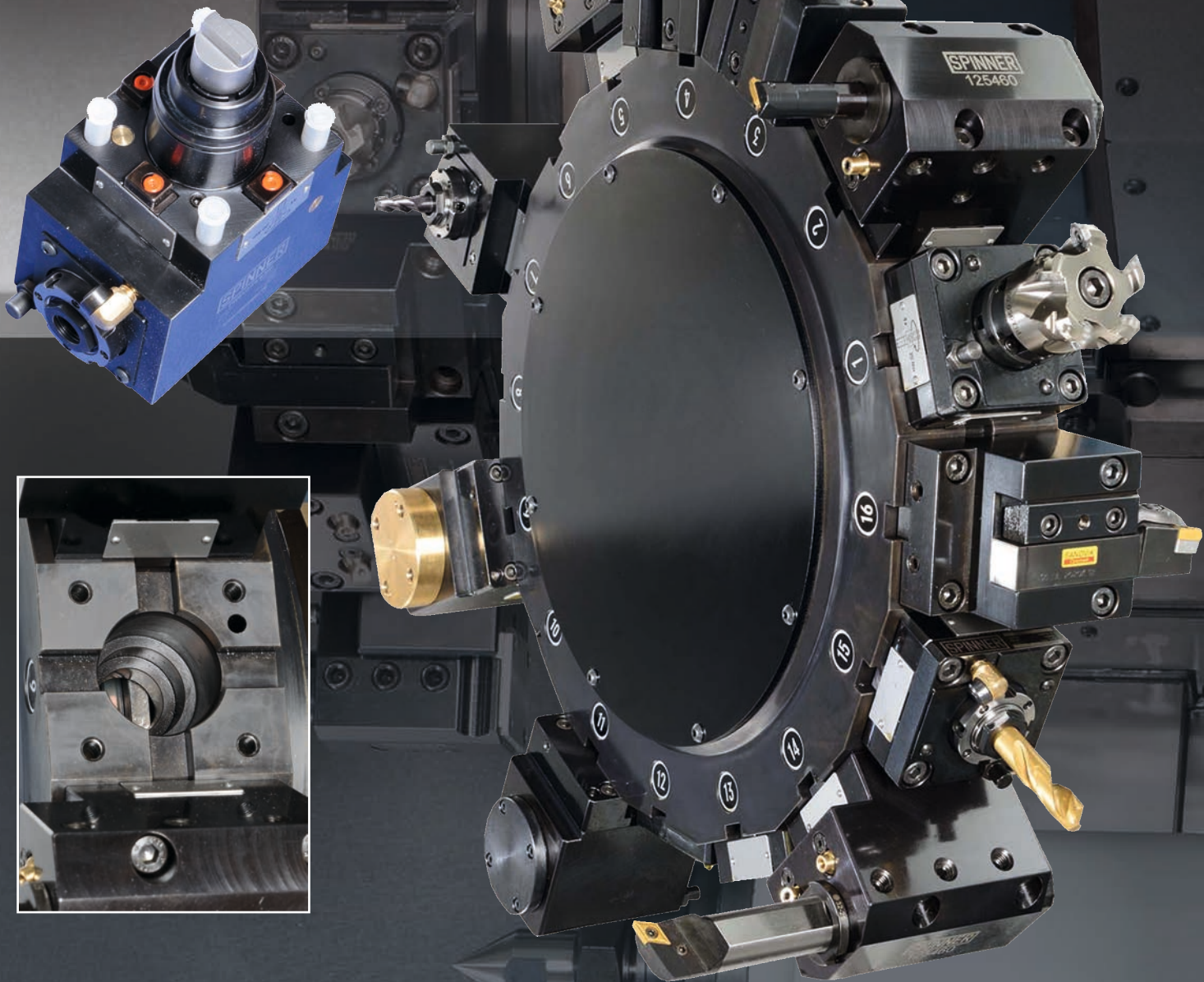


Figure shows turret disc BMT45 and subspindle

•Toolholder BMT45

Your advantages at one glance when using BMT45 toolholders

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



Automation solutions

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



Your advantages at one glance

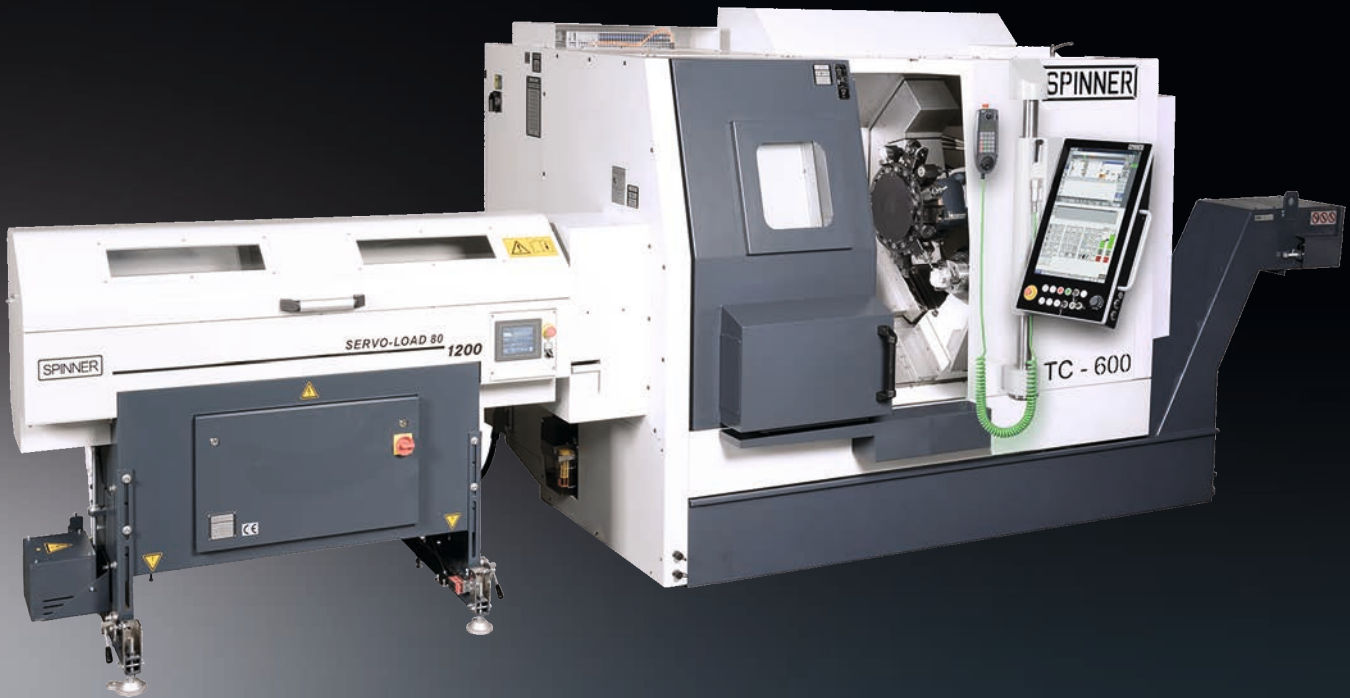
- Increase in productivity
- Cost reduction
- Optimal processes for your machining requirements
- Everything from one source



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

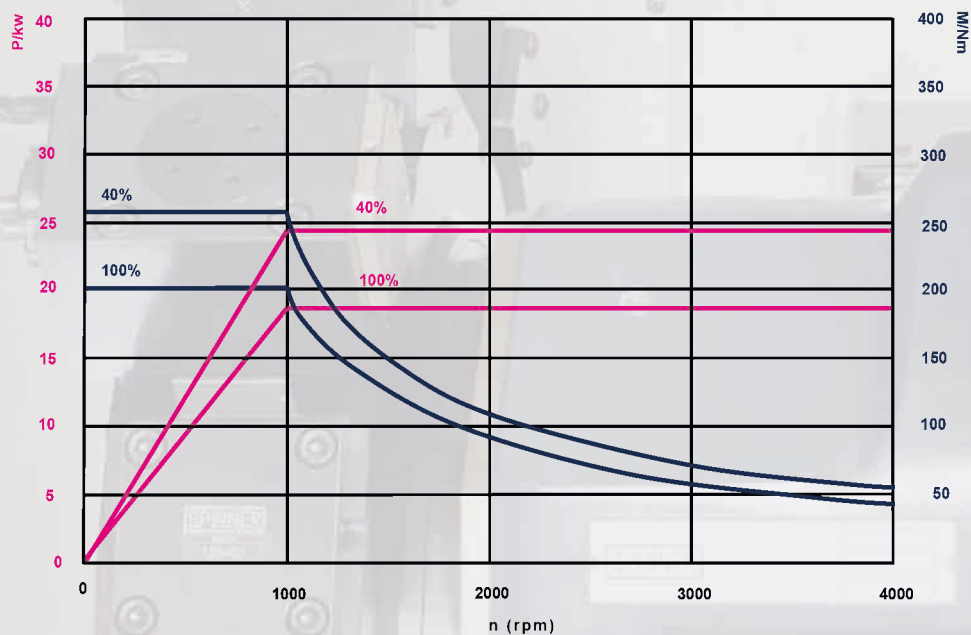


Working area	TC610-65		TC610-85	
Swing diameter	600 mm (23.6 in)			
Max. turning diameter	~400 mm (~15.7 in)			
Max. turning length	700 mm (27.5 in)			
X1-axis / Z-axis	275 / 710 mm (10.8 in / 27.9 in)			
Y-axis (option)	+50 / -40 mm (+1.9 in / -1.6 in)			
Axes				
Rapide traverse X / Y / Z	15 / 15 / 30 m/min (590.5 IPM / 590.5 IPM / 1,181 IPM)			
Spindle 1				
Max. spindle speed	4,000 rpm (option 5,000 rpm)		3,400 rpm (option 4,000 rpm)	
Spindle nose	A8/DIN		A8/DIN	
Chuck diameter	250 mm (9.8 in)		250 mm (9.8 in) (option 315 mm (12.4 in))	
Spindle bore	65 mm (2.6 in)		85 mm (3.3 in)	
Performance	18.5 / 24 kW (100% / 40%)		39,2 / 49,7 kW (S1 / S6 40%)	
Torque	201 / 258 Nm (100% / 40%)		382 / 495 Nm (S1 / S6 40%)	
Tailstock				
Cone	MK4			
Stroke	~700 mm (27.5 in)			
Turret				
Number of tool stations	16 (BMT45)			
Number of driven tools (option)	All			
Toolholder	BMT45			
Max. speed of driven tools	6,000 rpm			
Performance P _{max}	16.5 kW			
Torque M _{max}	35 Nm			
General indications				
Dimensions (L x W x H) ¹⁾	~2,800 x 2,100 x 2,100 mm (~110.2 in x 82.7 in x 82.7 in)			
Weight ²⁾	~5,930 - 6,250 kg (~13,073.4 - 13,778.9 lbs)			

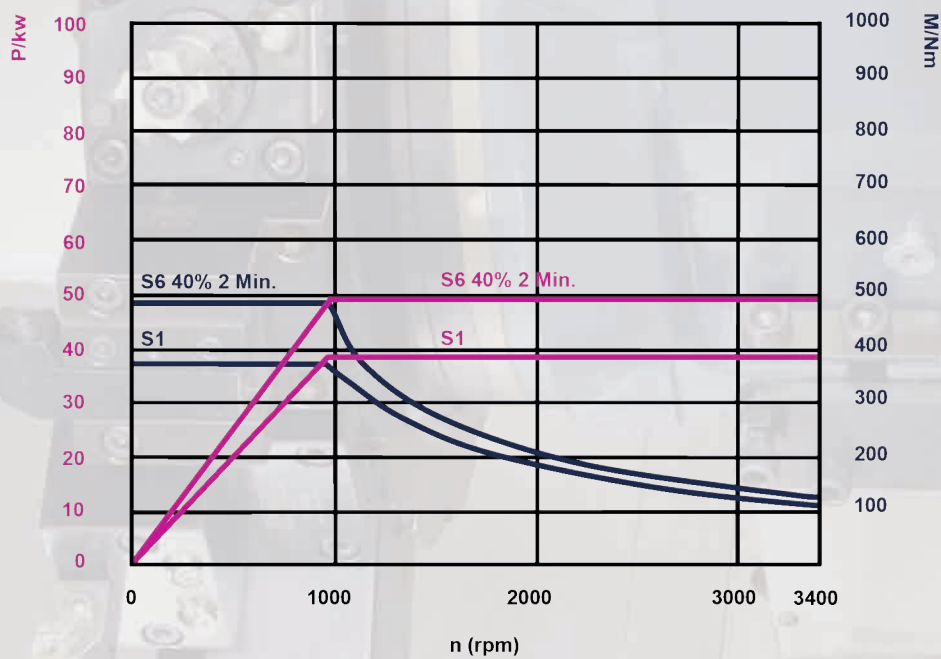
1) See floorplan

2) Without options and accessories

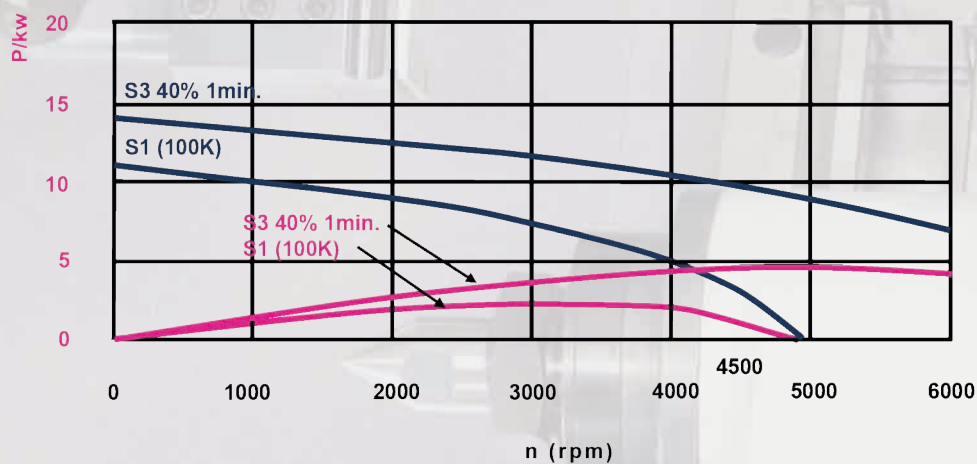
Main spindle TC610-65 4,000 rpm



Main spindle TC610-85 3,400 rpm



Driven tool



Air nozzle for compressed air on spindle

CNC-clamping force setting

Automatic door

- Turret disc BMT45 16-position

- Toolholder package BMT45

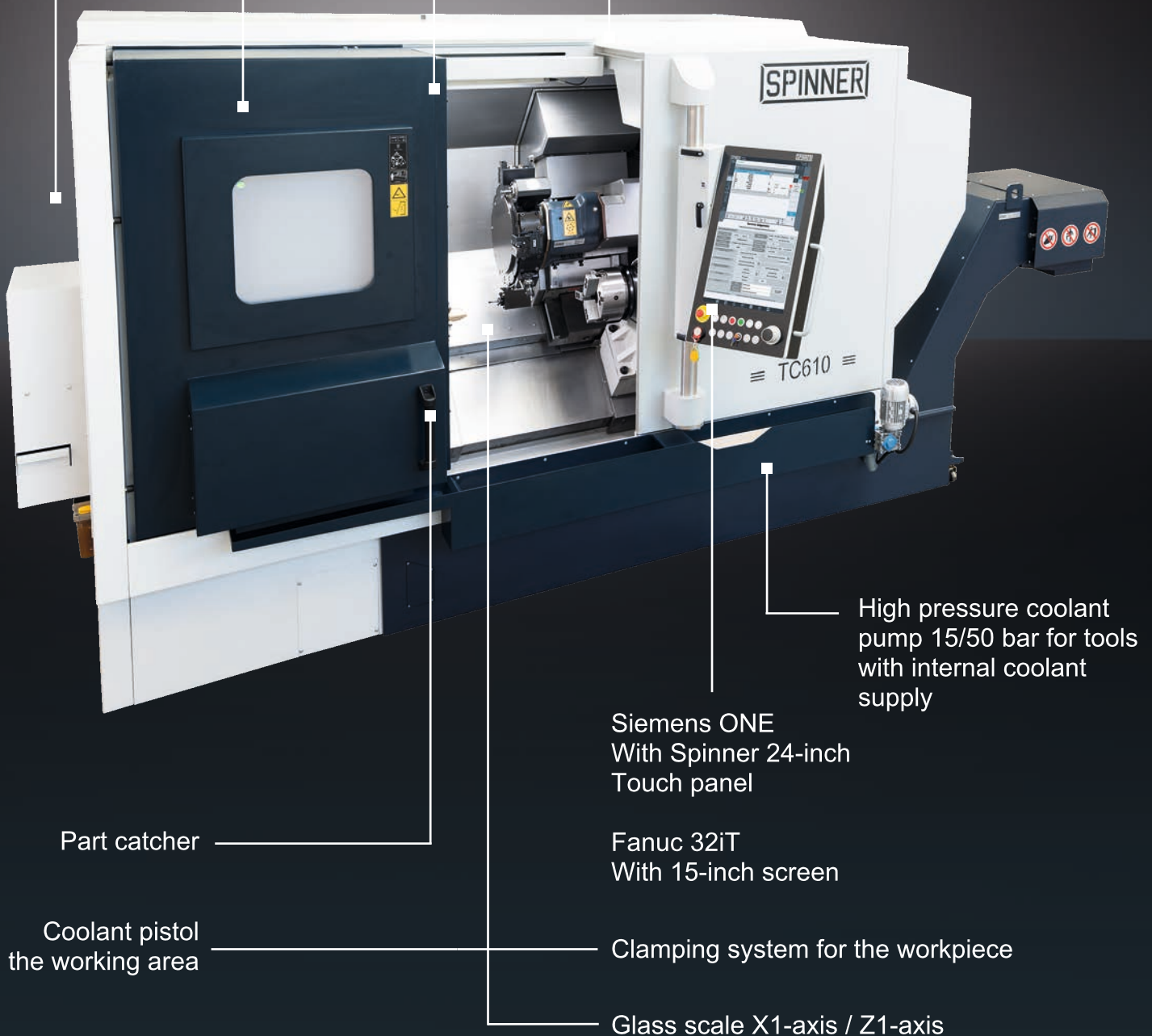
- Hard turning package for superfinishing

- Workpiece measurement by touch probe in turret

- Suction unit for coolant mist

- Fire extinguishing system

External tool measurement



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

Siemens ONE
With Spinner 24-inch
Touch panel

Fanuc 32iT
With 15-inch screen

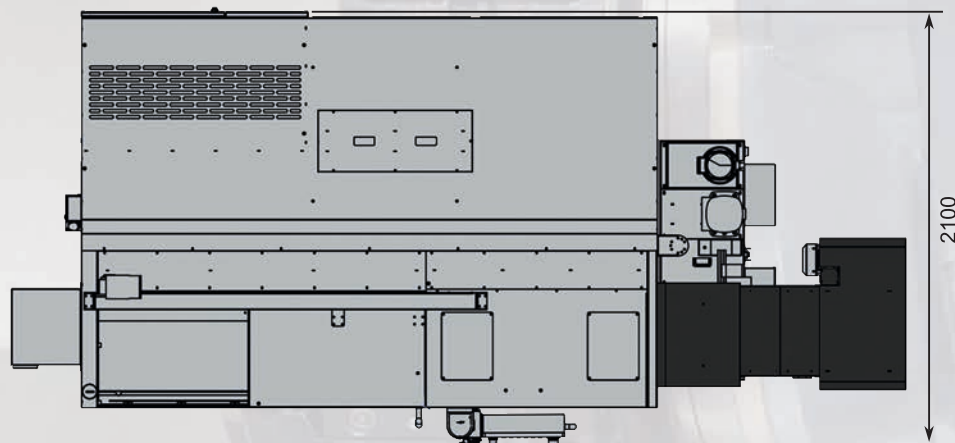
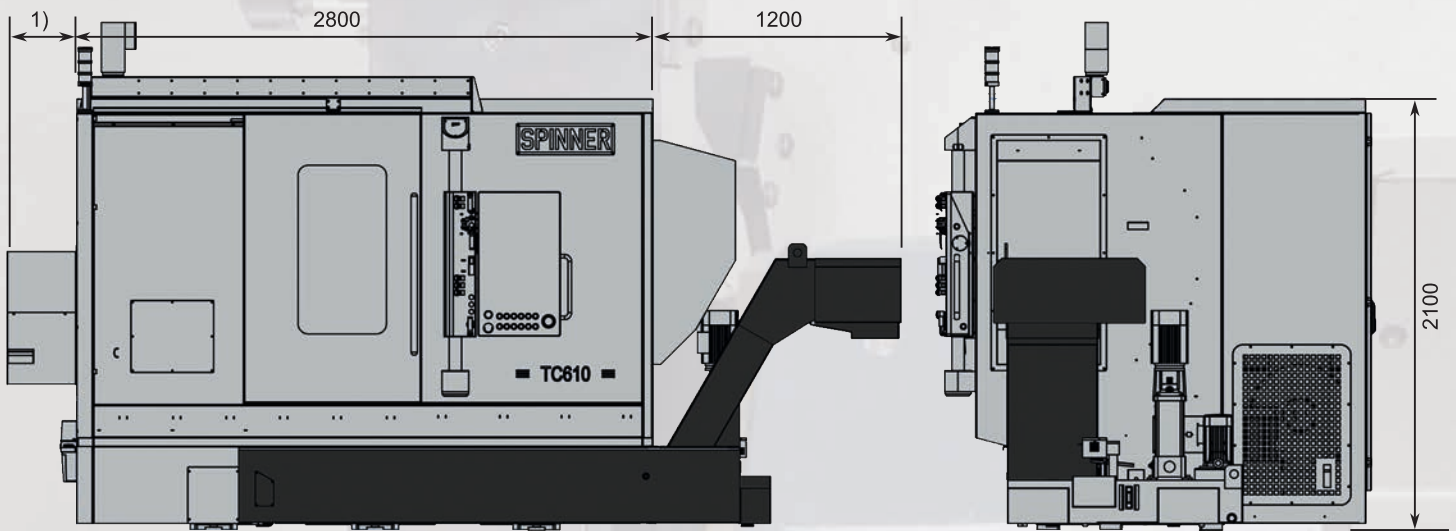
Clamping system for the workpiece

Glass scale X1-axis / Z1-axis

Part catcher

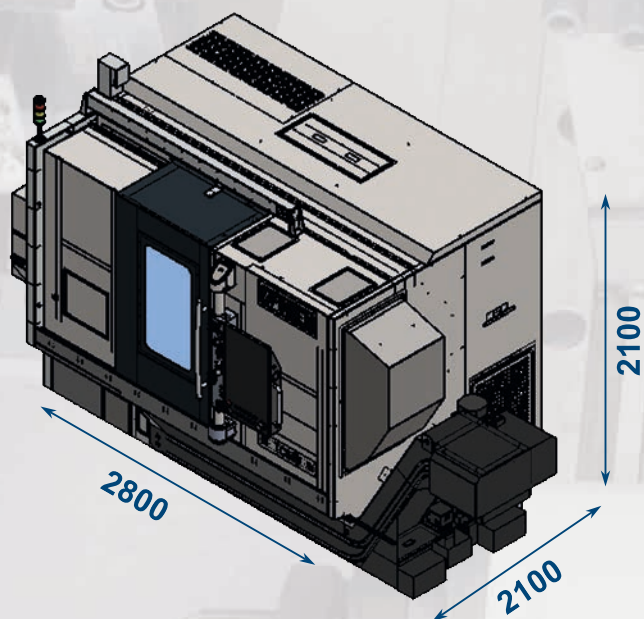
Coolant pistol in the working area

Other options on demand



■ Version with standard chip conveyor

- 1) 180 TC610-65
- 1) 340 TC610-85



Compact dimensions for low space requirement



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.



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



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