

SPINNER

TC610L

Precise Universal Lathe



Mechanical Engineering
Made in Europe

www.spinner.eu.com
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Machine Highlights



Stable
Compact
Dynamic
Universal
Precise

Powerful tool drive
in the turret

Rigid SPINNER servo turret
with BMT45 toolholder

CNC-steady rest

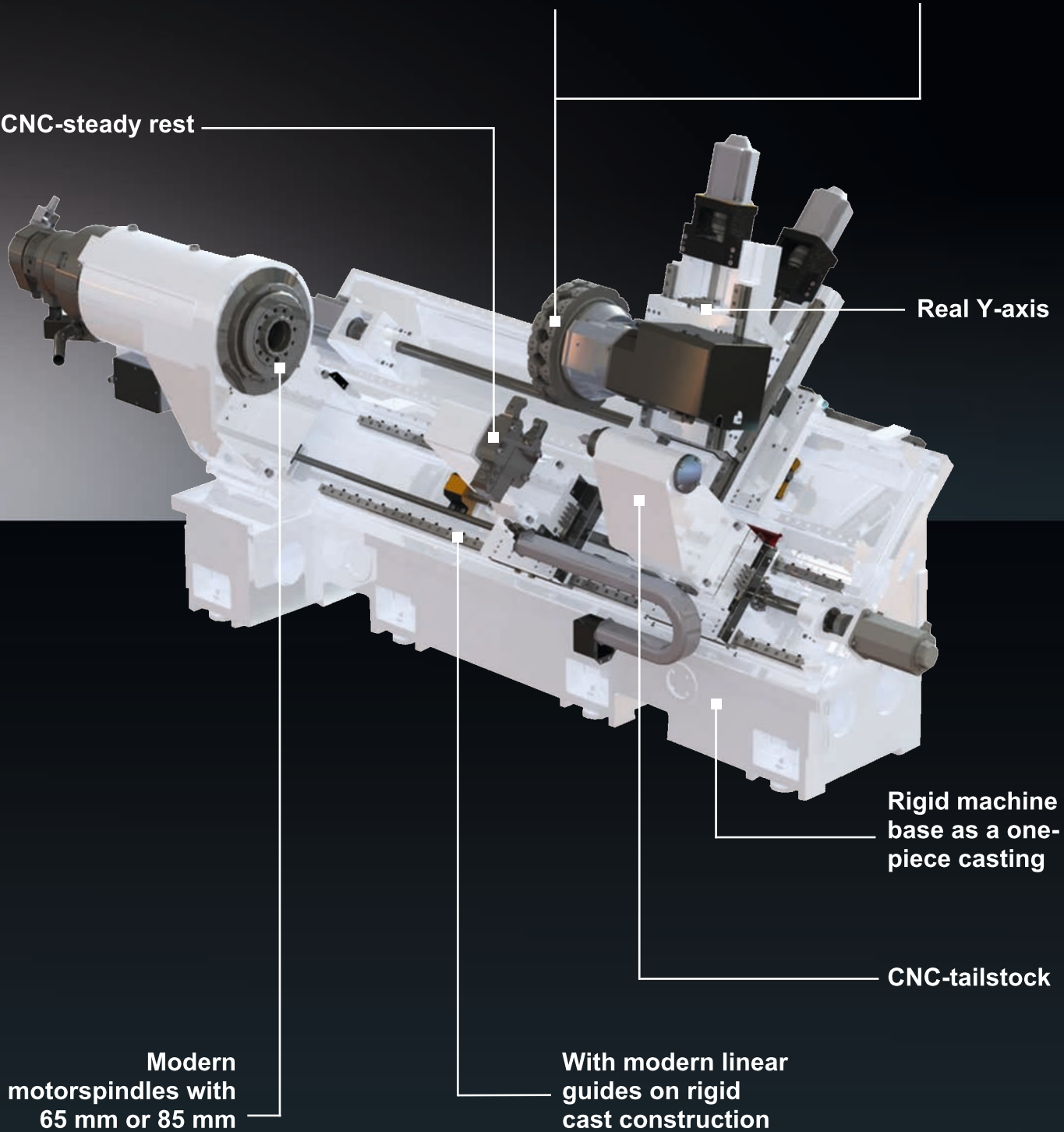
Real Y-axis

Rigid machine
base as a one-
piece casting

CNC-tailstock

Modern
motorspindles with
65 mm or 85 mm
bores

With modern linear
guides on rigid
cast construction



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

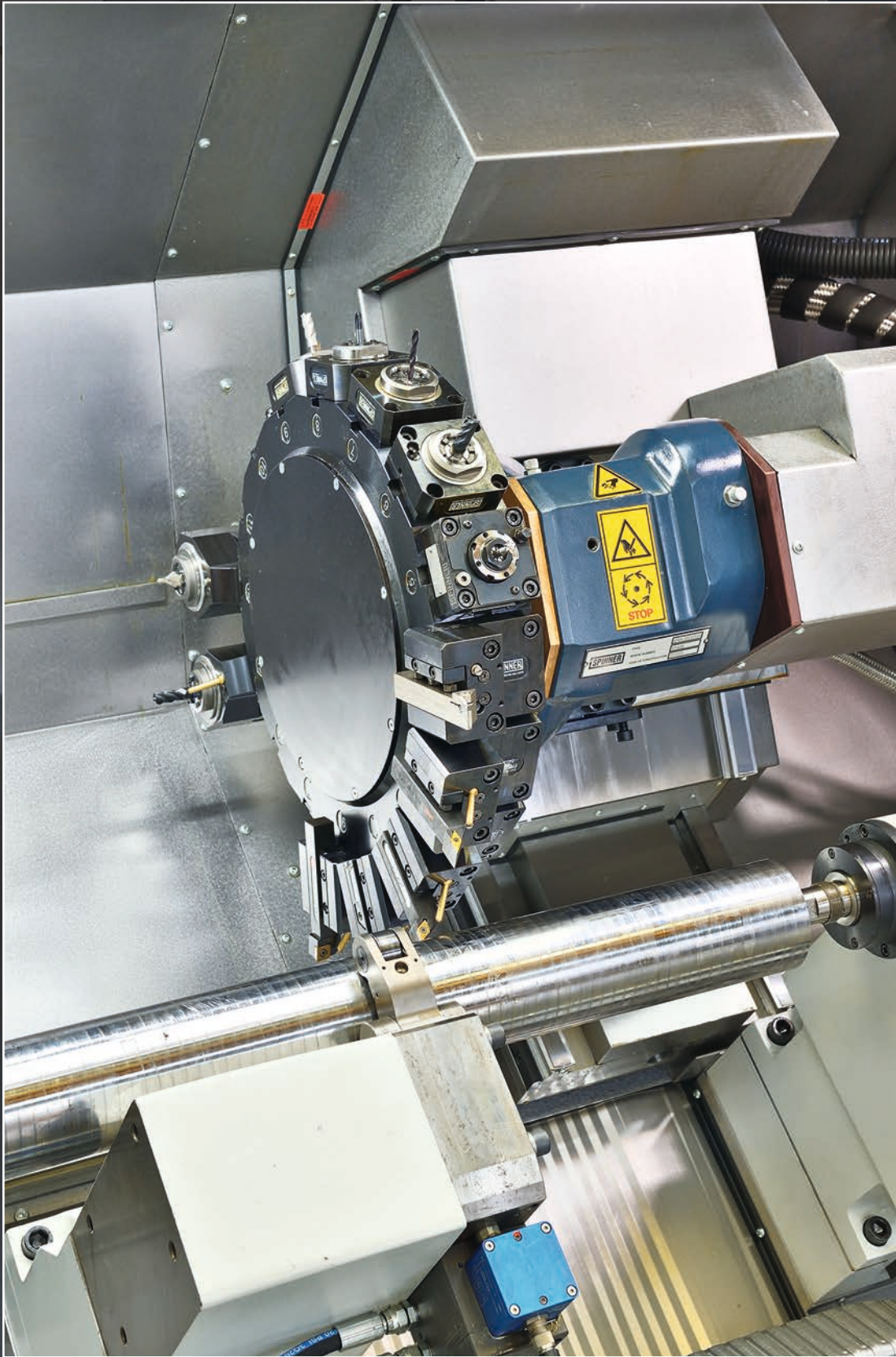
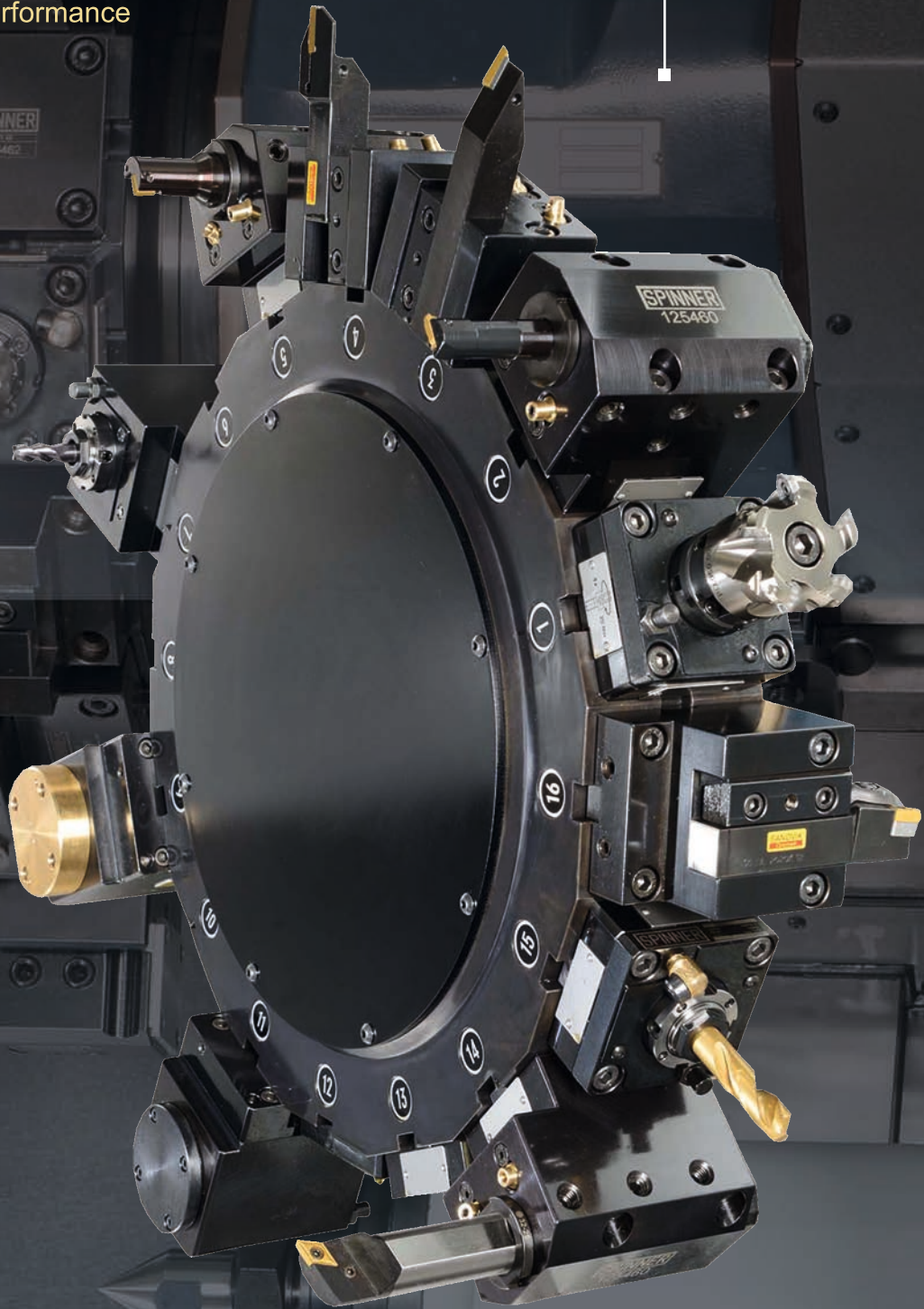
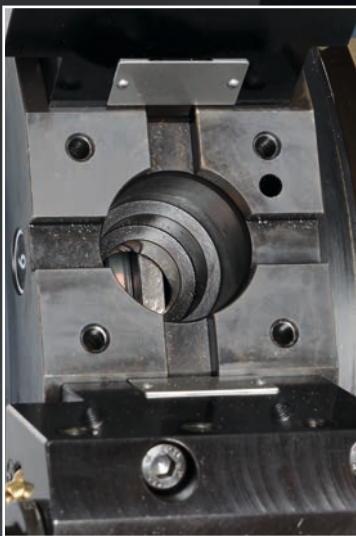


Figure shows turret disc BMT45, steady rest and CNC-tailstock

• 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



Air nozzle for compressed air on spindle

CNC-clamping force setting

Siemens 840D-SL
With Spinner 24-inch
Touch panel

Fanuc 32iT
With 15-inch screen

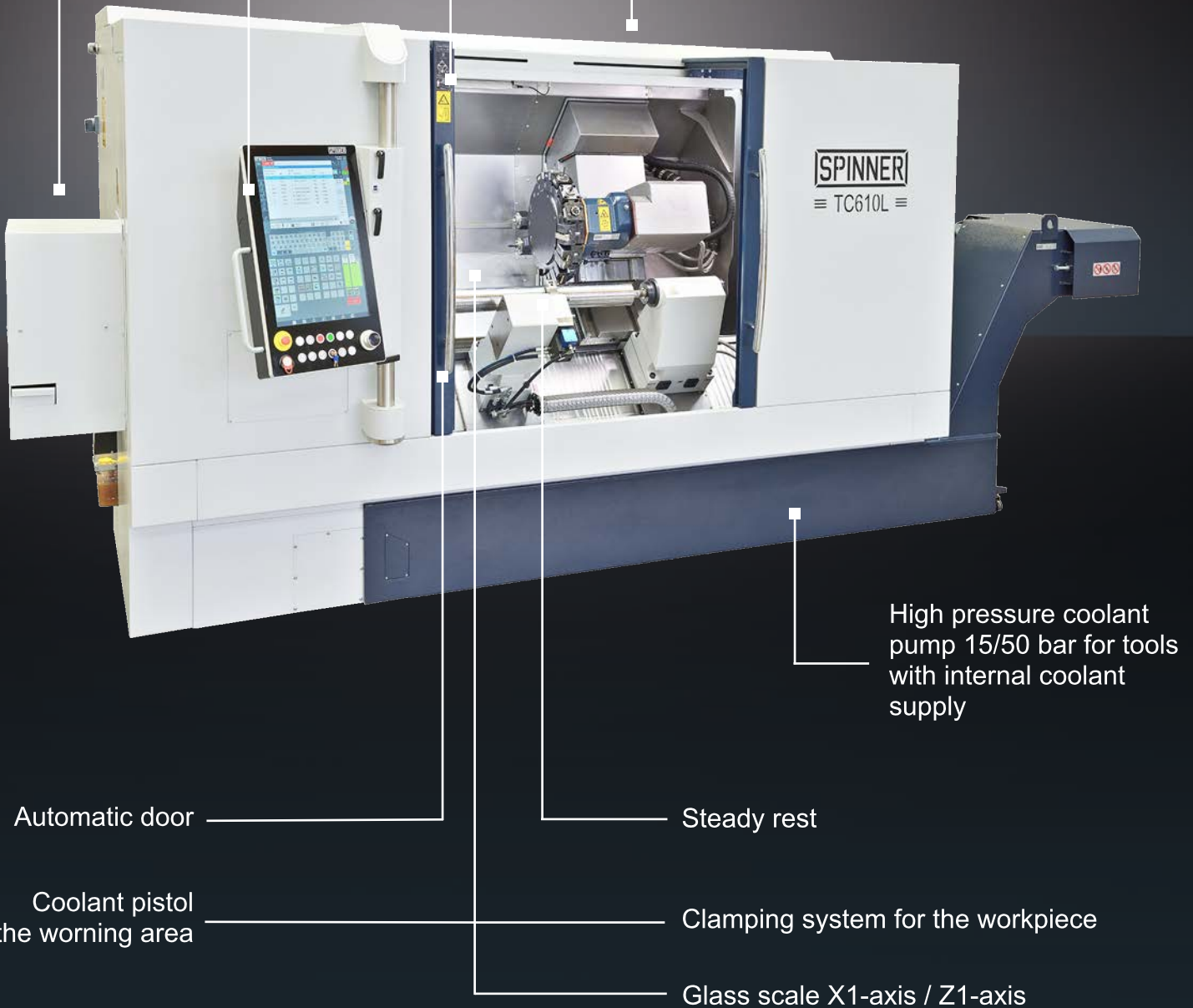
- Turret disc BMT45 16-position

- 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



SPINNER
TC610L

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

Automatic door

Steady rest

Coolant pistol
in the working area

Clamping system for the workpiece

Glass scale X1-axis / Z1-axis

Other options on demand

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

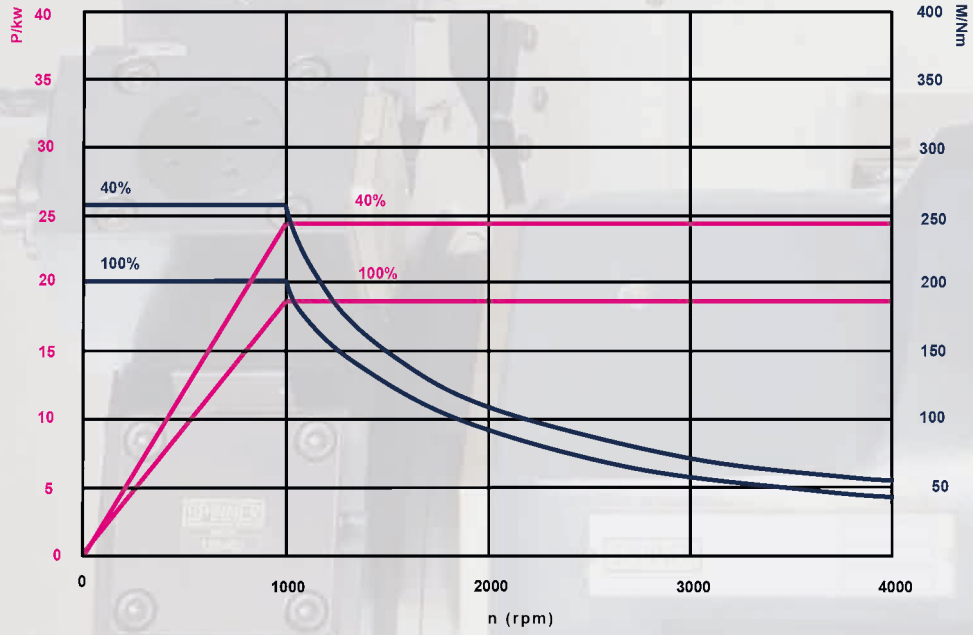


Ask us for your solution!

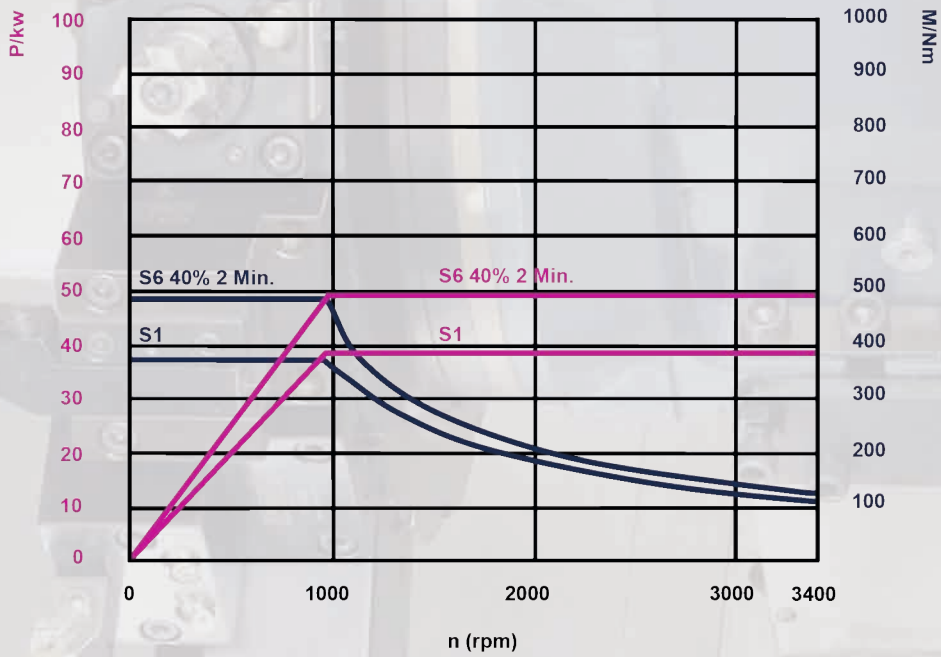
Working area	TC610L-65	TC610L-85
Swing diameter	600 mm (23.6")	
Max. turning diameter	~400 mm (~15.7")	
Max. turning length	1,250 mm (49.2")	
X1-axis / Z-axis	275 / 1350 mm (10.8" / 53.1")	
Y-axis (option)	+50 / -40 mm (+1.9" / -1.6")	
Axes		
Rapide traverse X / Y / Z	30 / 15 / 30 m/min (1,181 IPM / 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")	250 mm (9.8") (option 315 mm (12.4"))
Spindle bore	65 mm (2.6")	85 mm (3.3")
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	~1,300 mm (51.2")	
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⁾	~3,400 x 1,950 x 2,100 mm (~133.9" x 76.8" x 82.7")	
Weight	~4,815 - 5,825 kg (~10,615.3 - 12,841.9 lbs)	

1) See floorplan

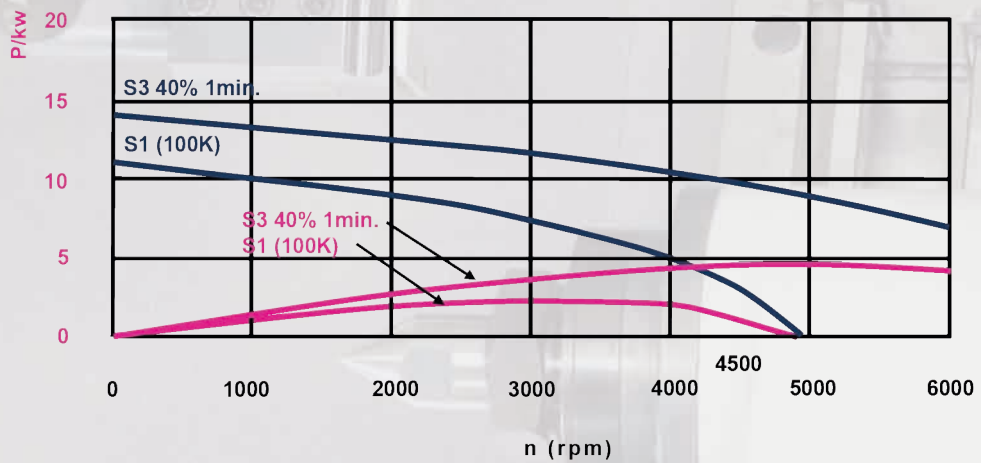
Main spindle TC610L-65 4,000 rpm

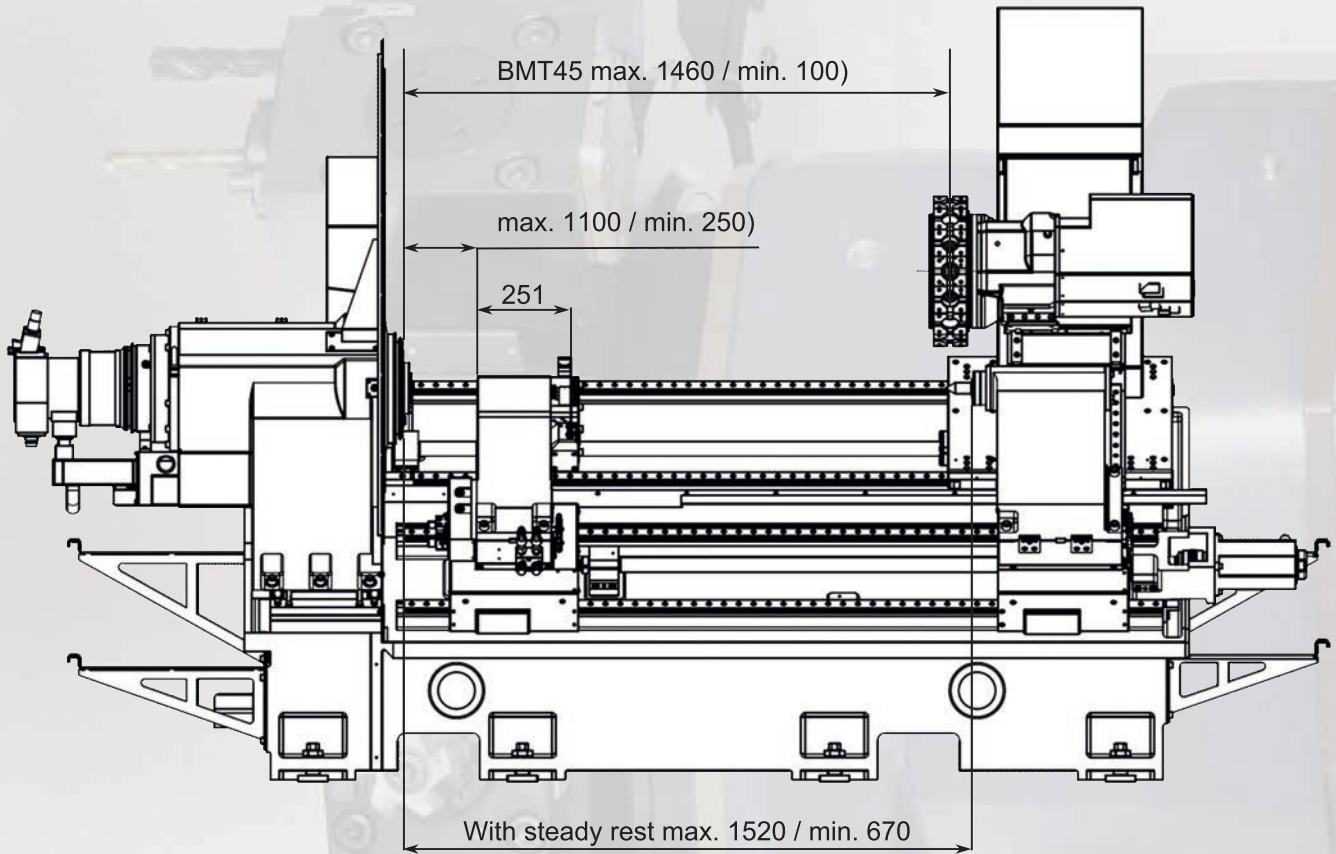


Main spindle TC610L-85 3,400 rpm

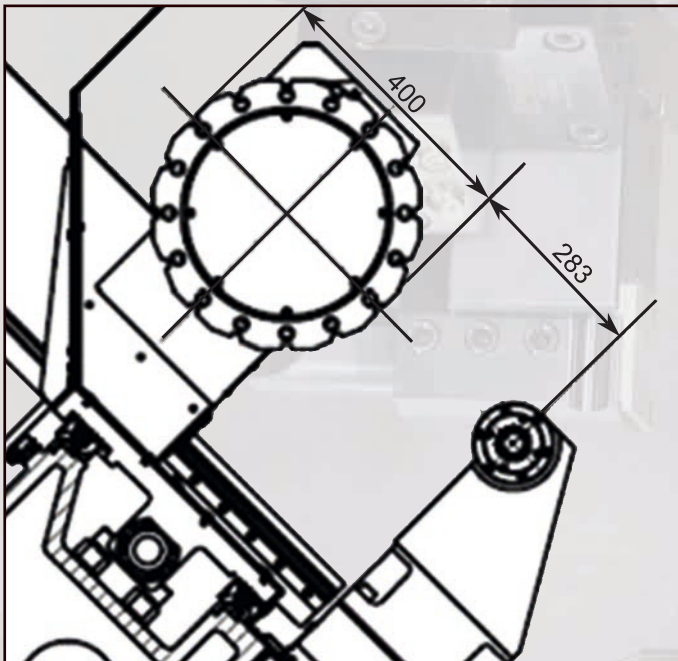


Driven tool

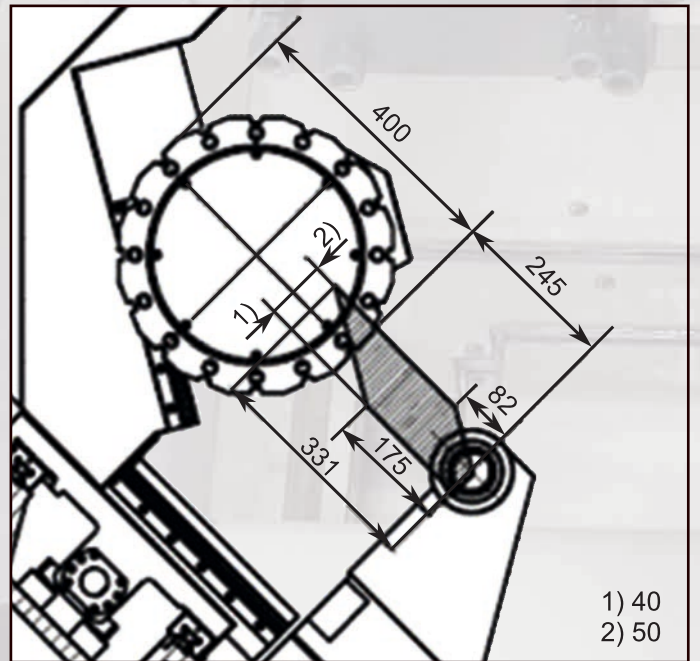


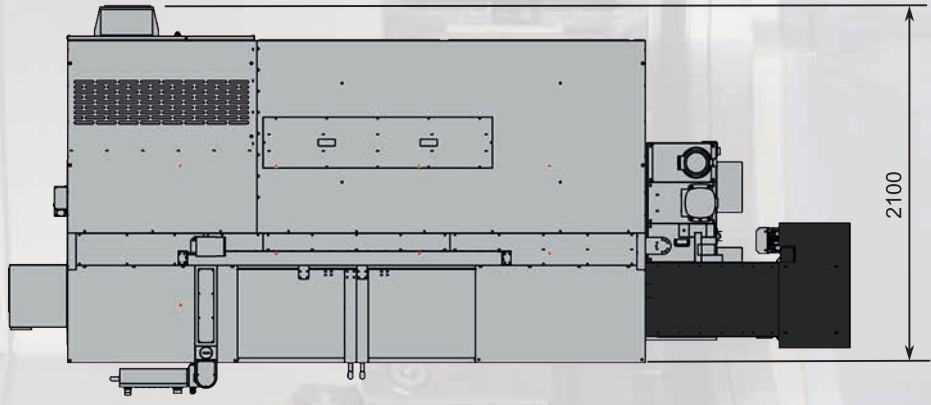
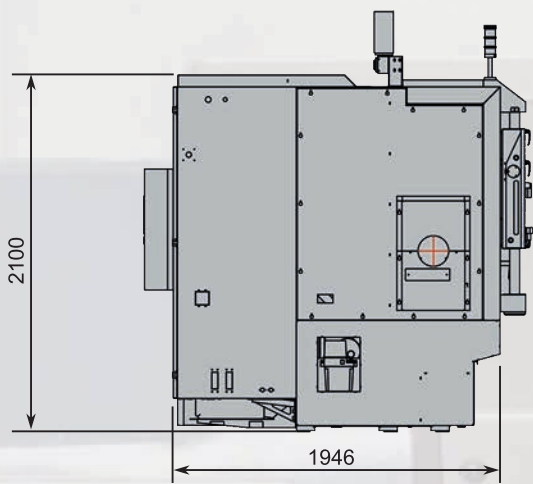
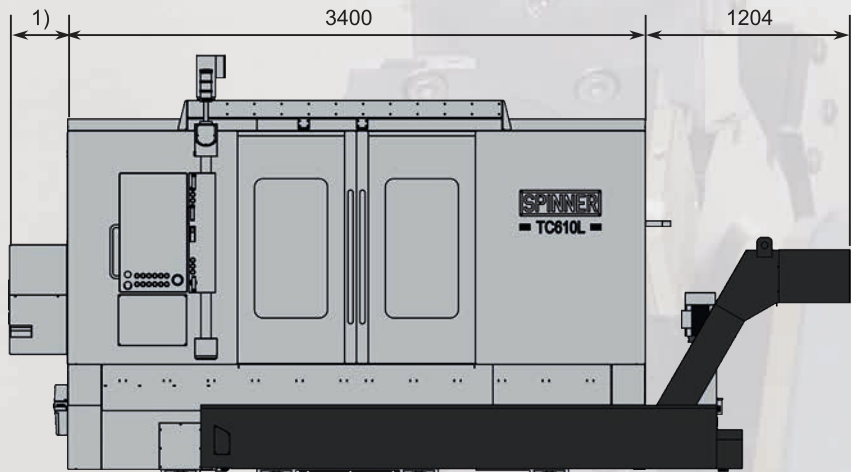


TC610L-MC



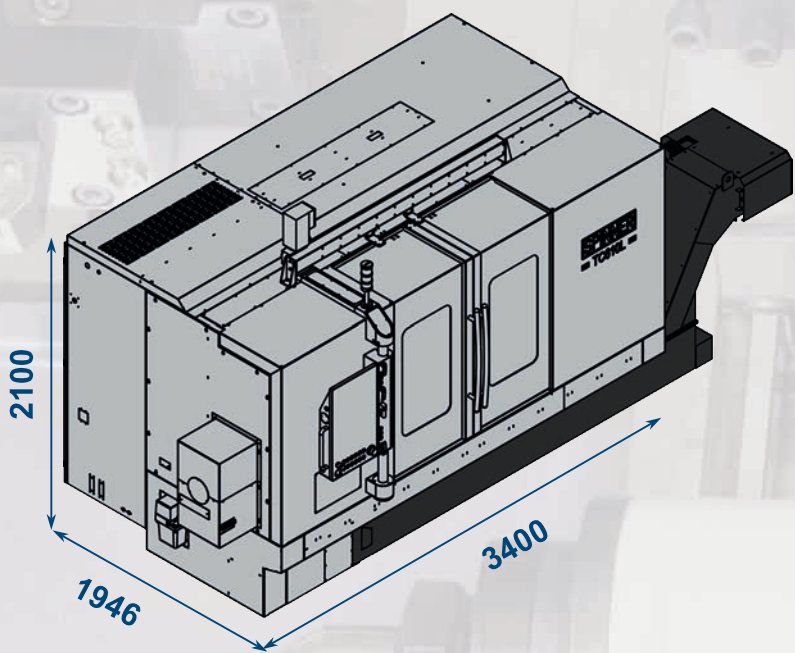
TC610L-MCY





■ Version with standard chip conveyor

- 1) 184 TC610L-65
- 1) 344 TC610L-85



Compact dimensions for low space requirement



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.



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Version 4.6.2024 (D)

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