

# SPINNER

# TC610L

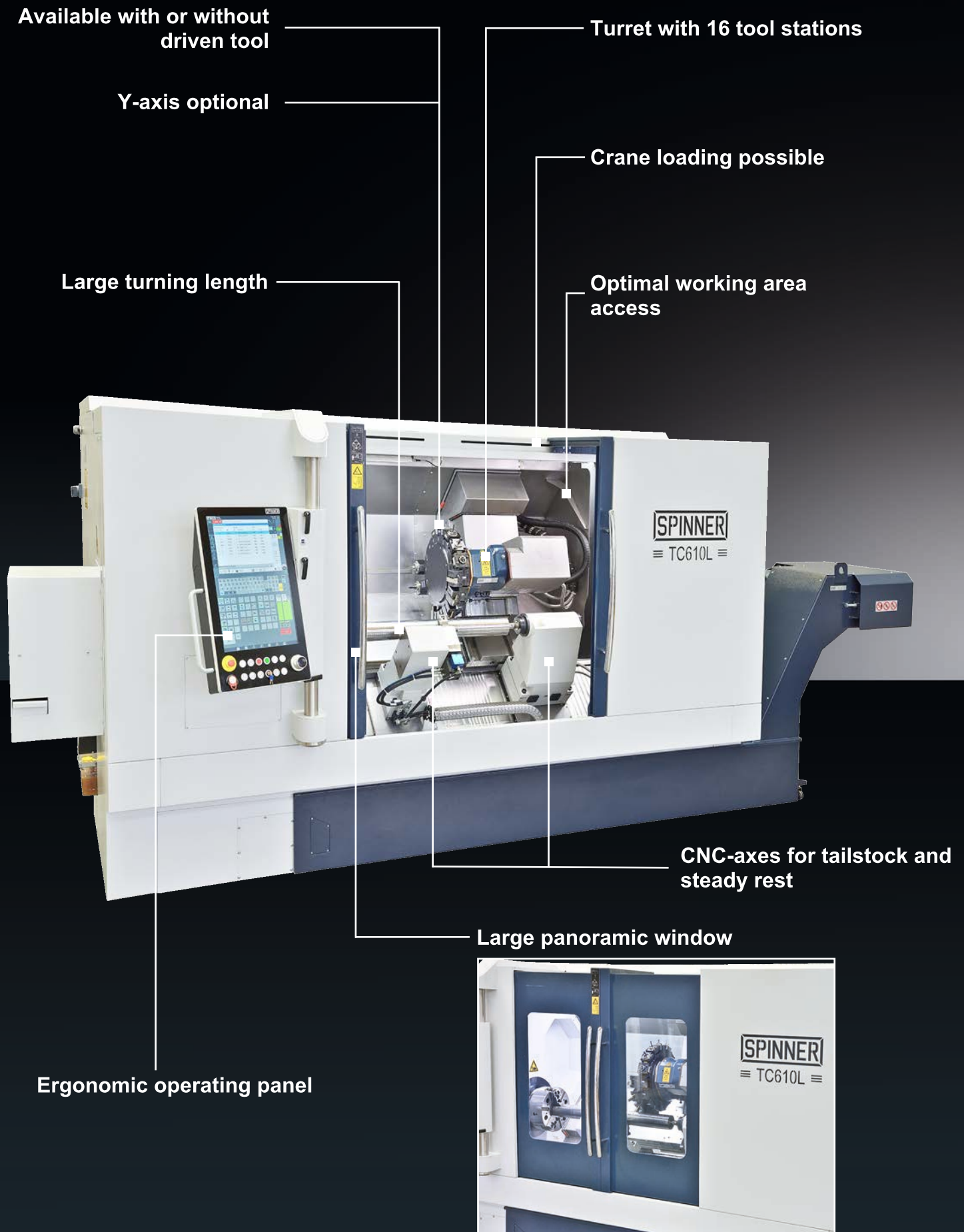
Precise Universal Lathe



Mechanical Engineering  
**Made in Europe**

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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

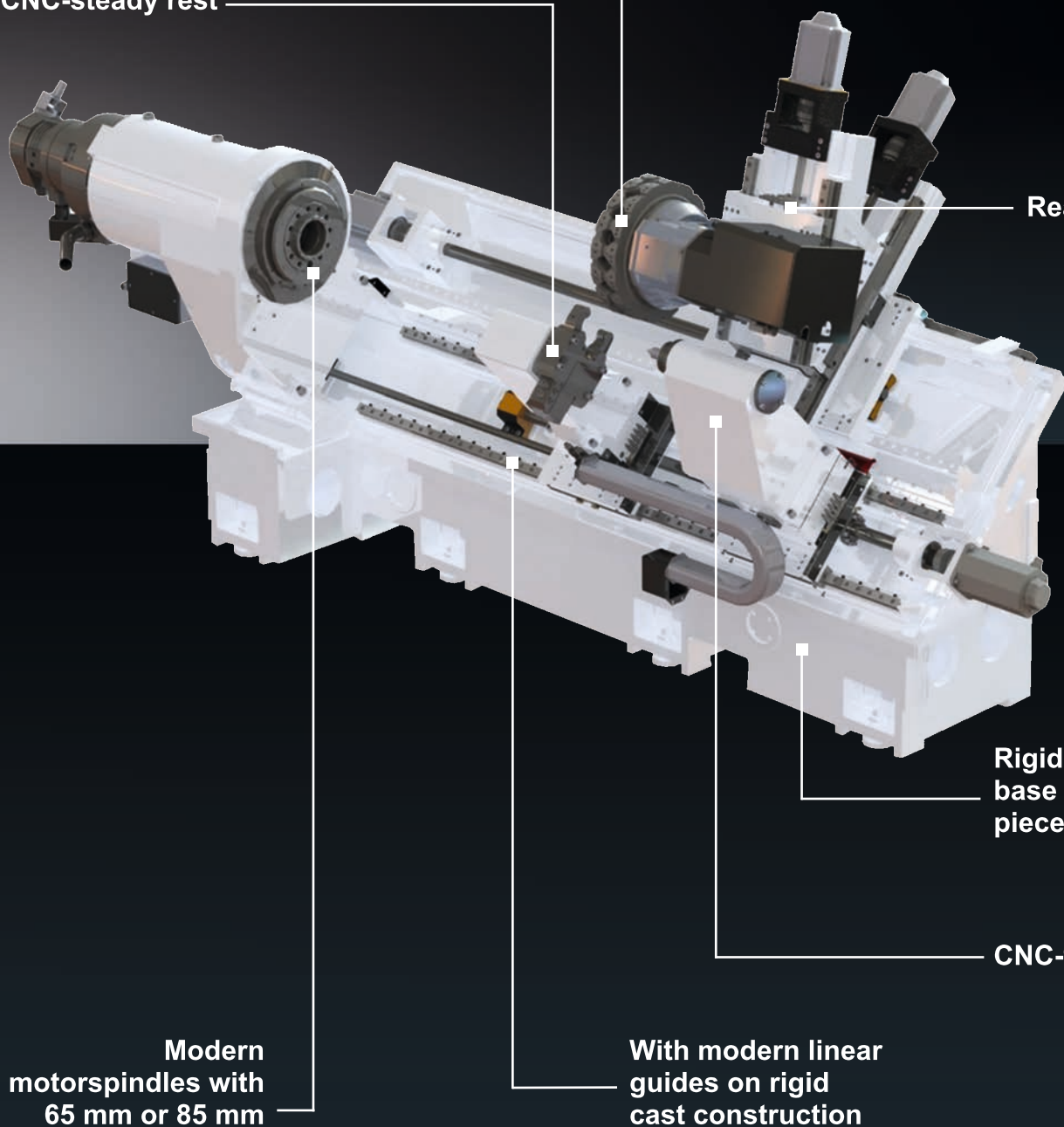
Real Y-axis

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

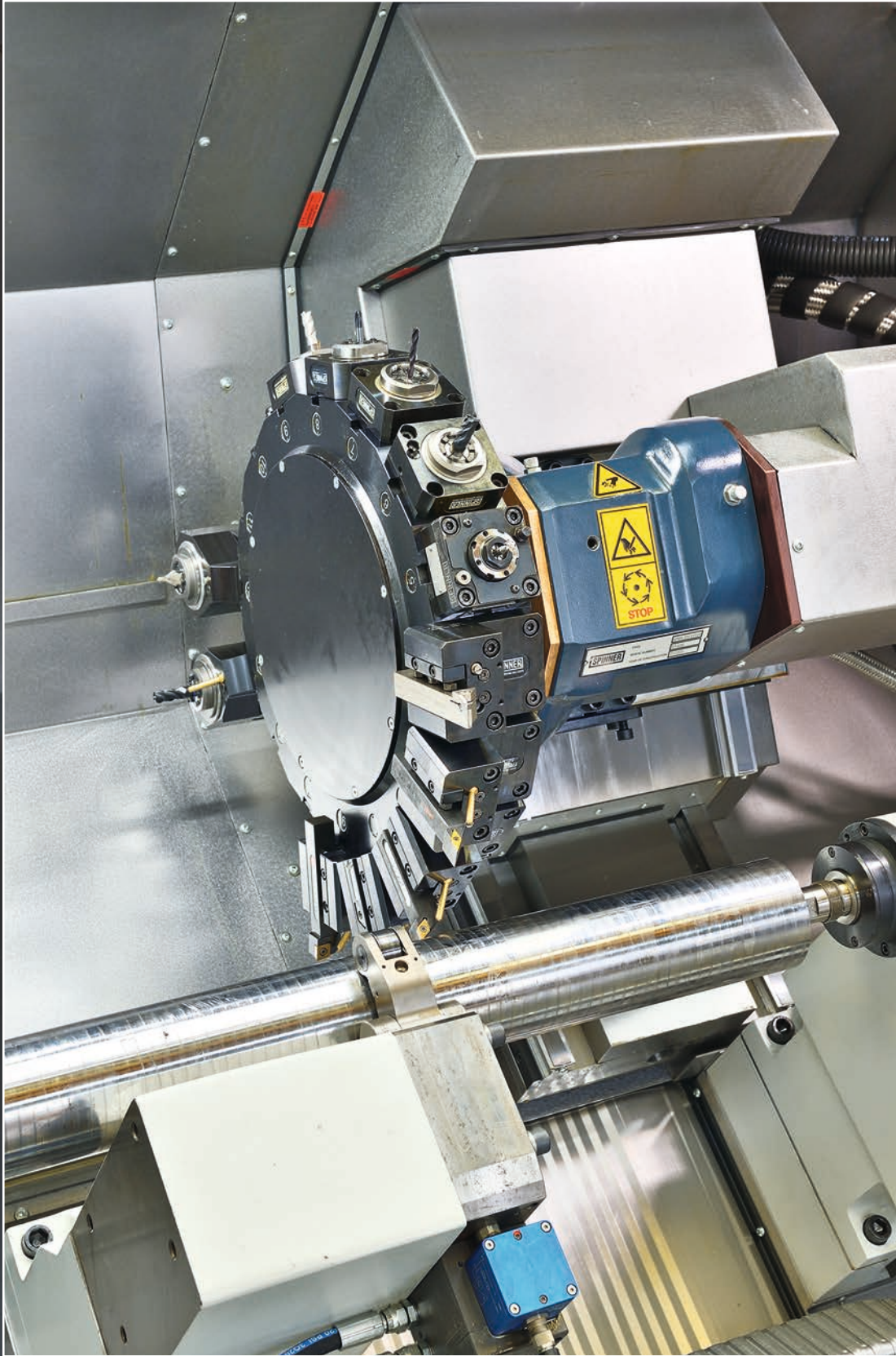
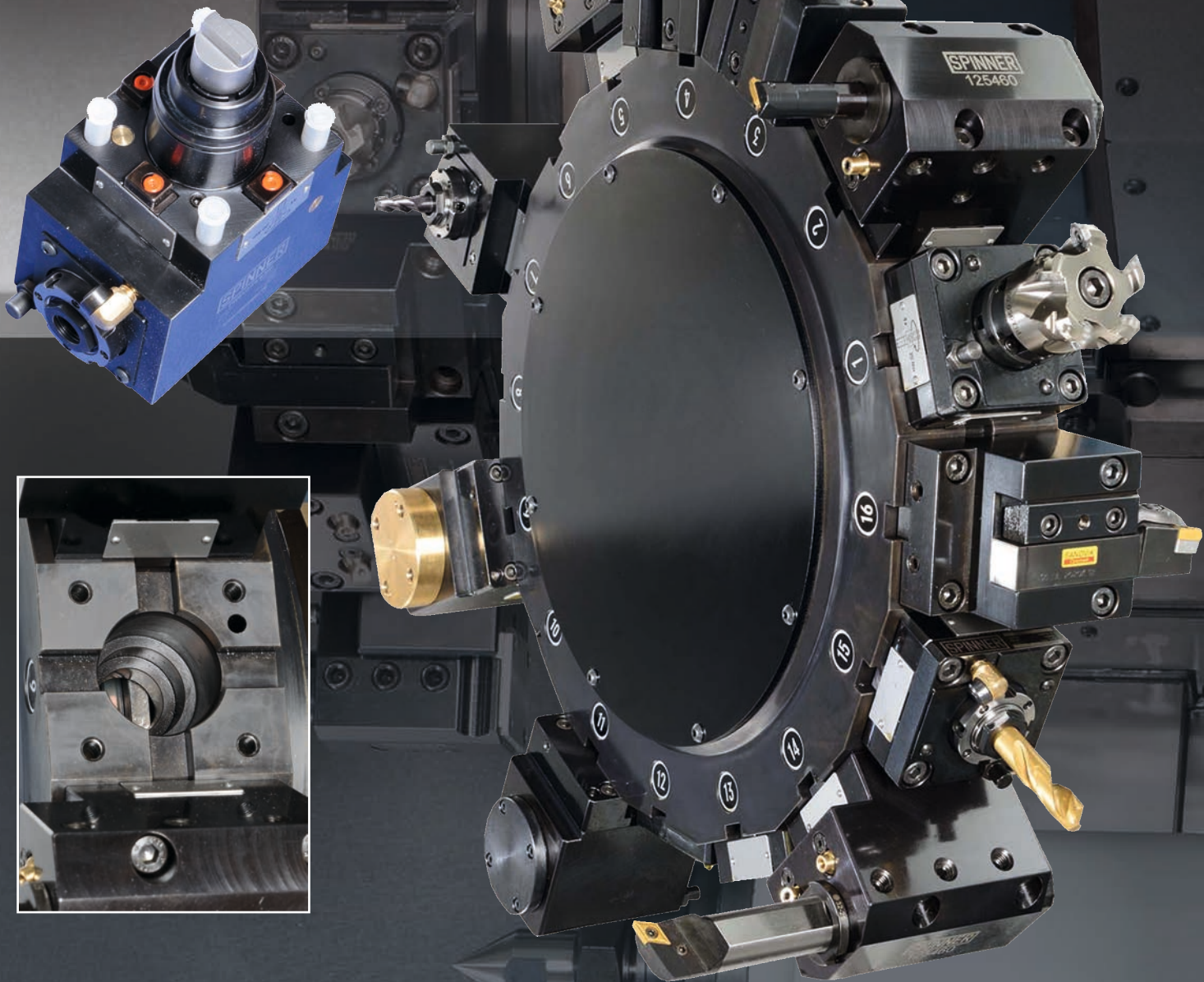


Figure shows turret disc BMT45, steady rest and CNC-tailstock

# •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

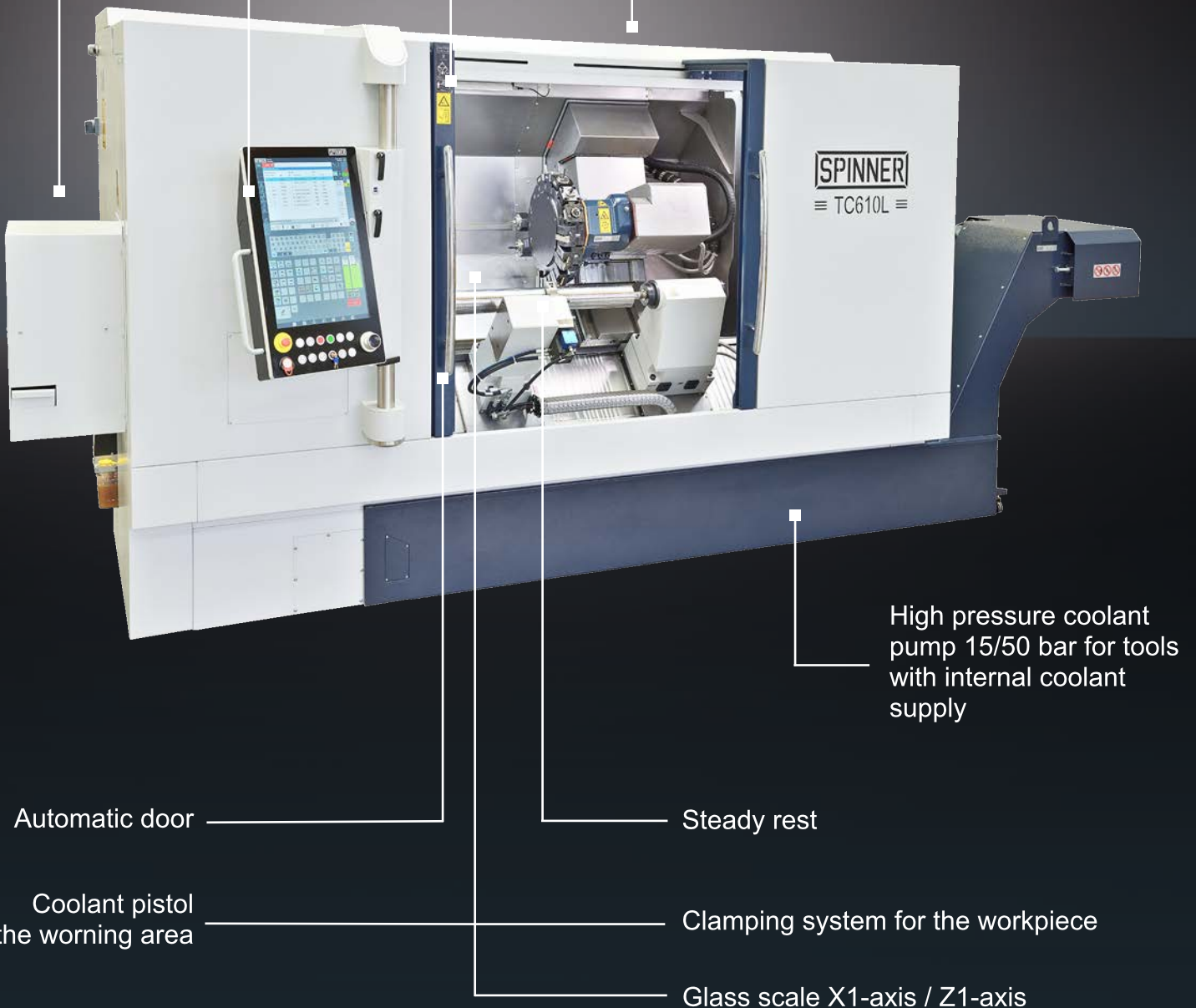
•Hard turning package for superfinishing

•Workpiece measurement by touch probe in turret

•Suction unit for coolant mist

•Fire extinguishing system

External  
tool measurement



Automatic door

Coolant pistol  
in the working area

Steady rest

Clamping system for the workpiece

Glass scale X1-axis / Z1-axis

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

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

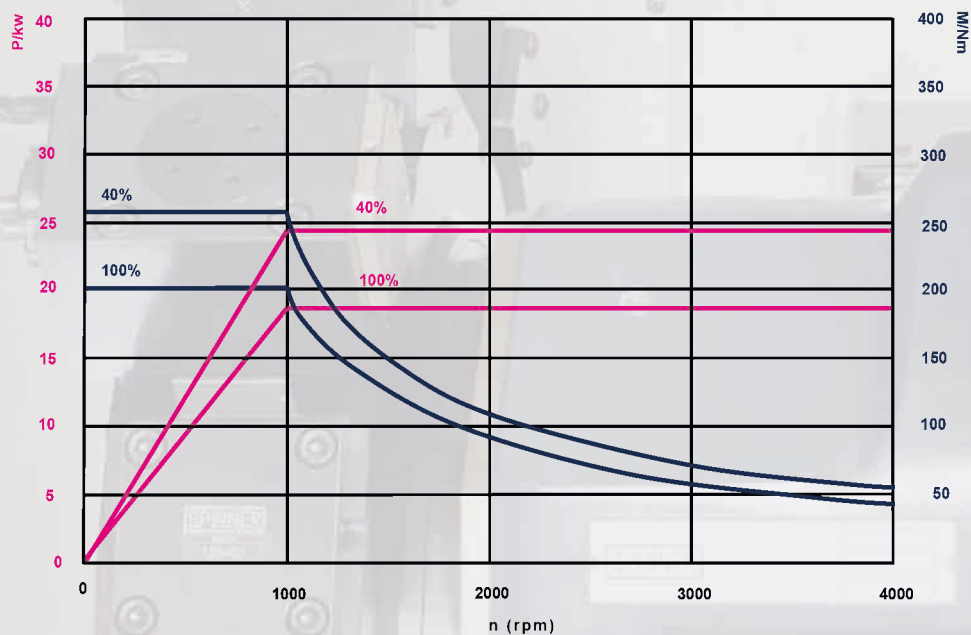


Ask us for your solution!

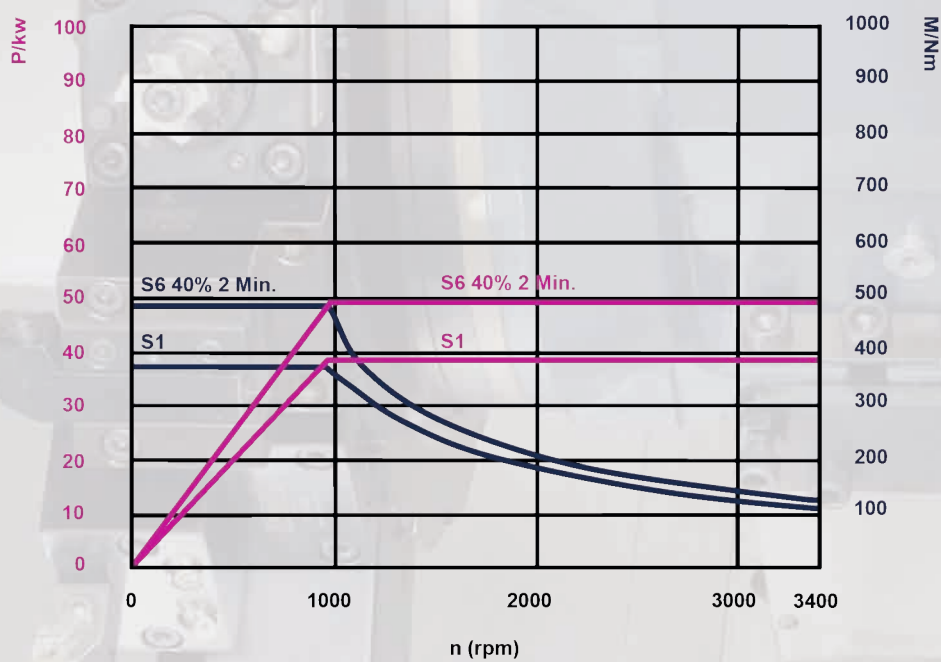
| Working area                         | TC610L-65                                              | TC610L-85                             |
|--------------------------------------|--------------------------------------------------------|---------------------------------------|
| Swing diameter                       | 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")                           |                                       |
| <b>Axes</b>                          |                                                        |                                       |
| Rapide traverse X / Y / Z            | 30 / 15 / 30 m/min (1,181 IPM / 590.5 IPM / 1,181 IPM) |                                       |
| <b>Spindle 1</b>                     |                                                        |                                       |
| 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%)            |
| <b>Tailstock</b>                     |                                                        |                                       |
| Cone                                 | MK4                                                    |                                       |
| Stroke                               | ~1,300 mm (51.2")                                      |                                       |
| <b>Turret</b>                        |                                                        |                                       |
| 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                                                  |                                       |
| <b>General indications</b>           |                                                        |                                       |
| Dimensions (L x W x H) <sup>1)</sup> | ~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

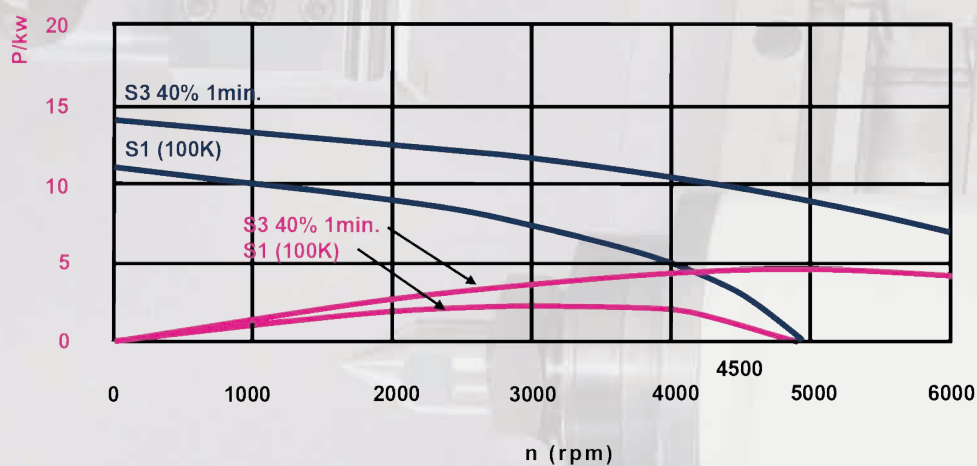
Main spindle TC610L-65 4,000 rpm

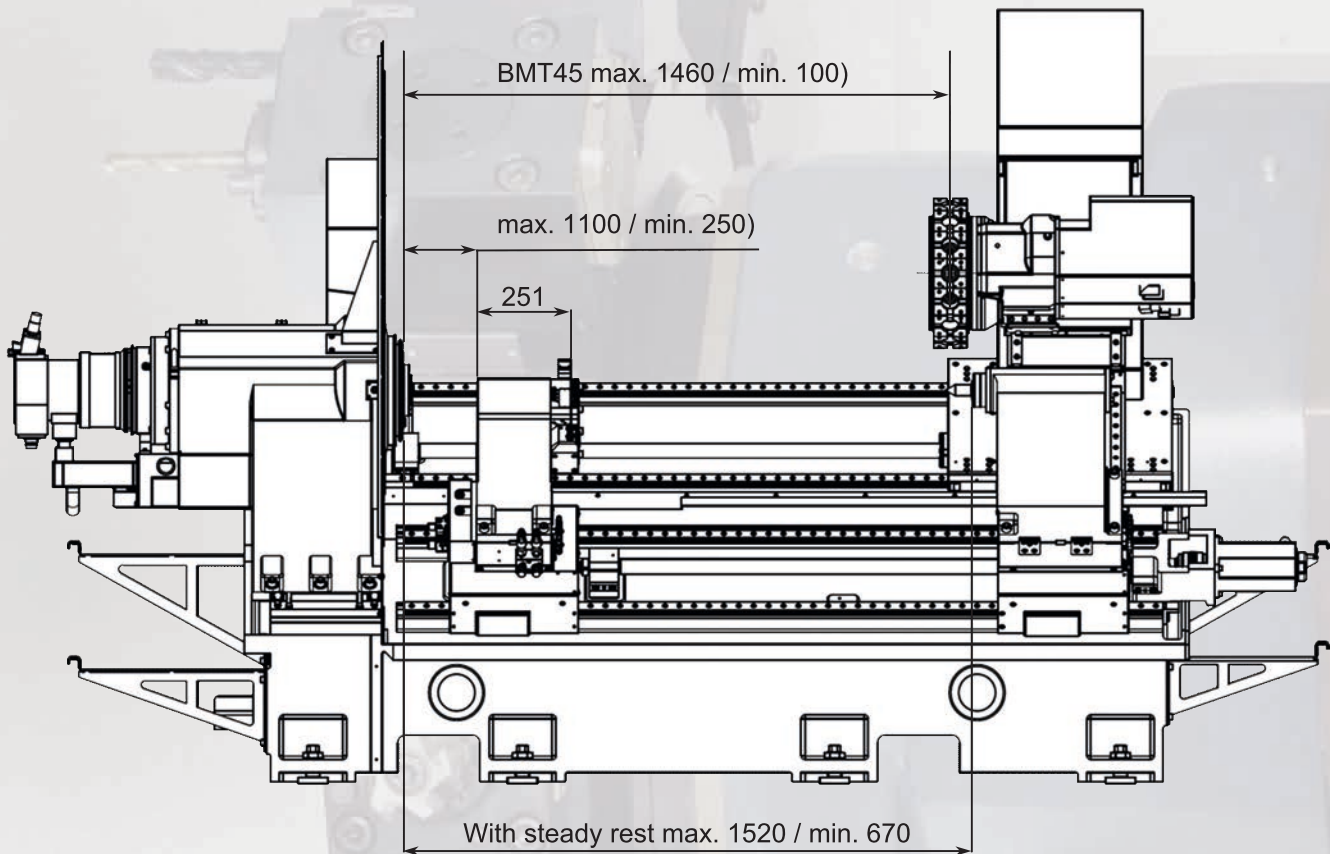


Main spindle TC610L-85 3,400 rpm

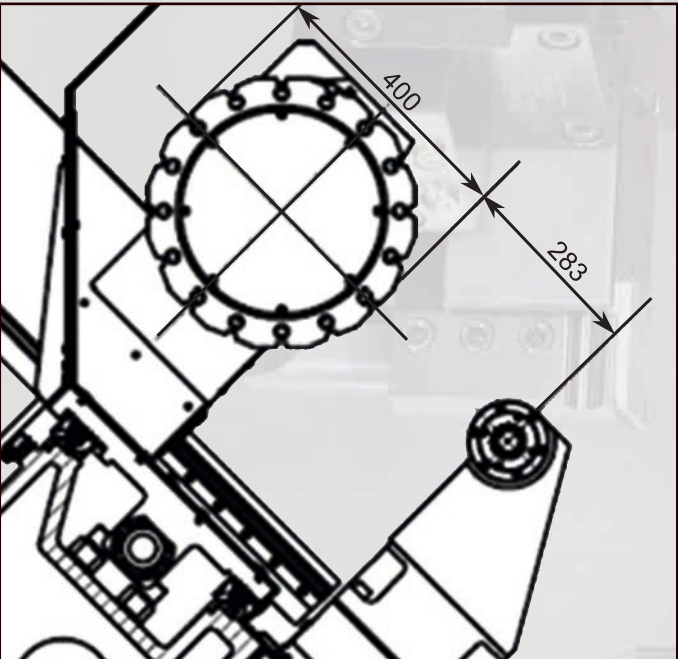


Driven tool

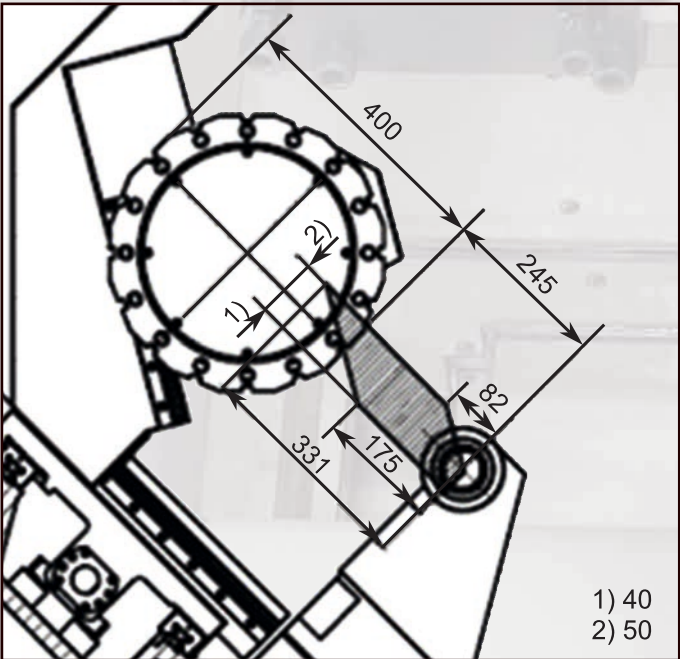


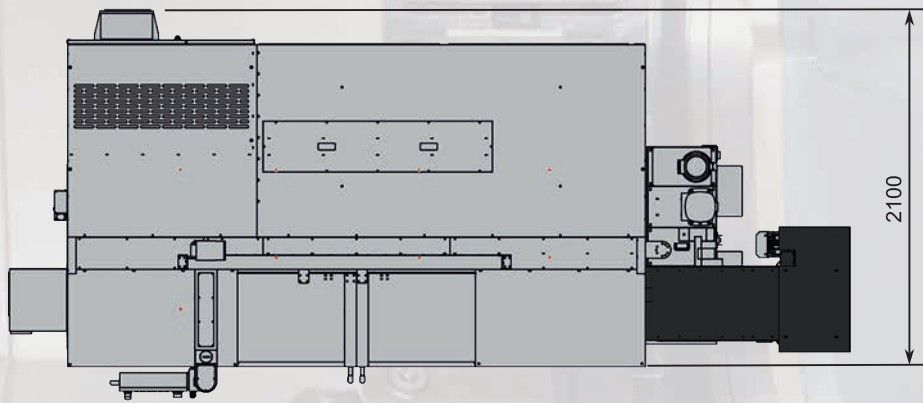
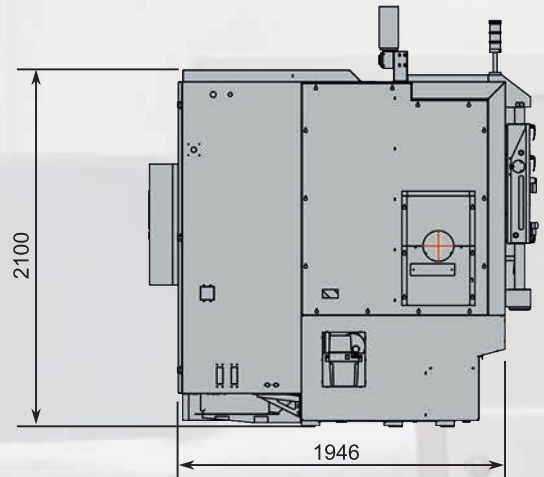
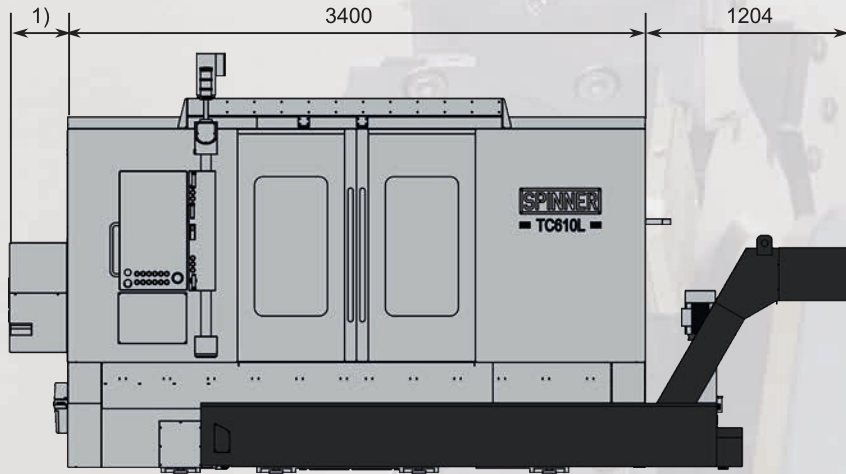


TC610L-MC



TC610L-MCY

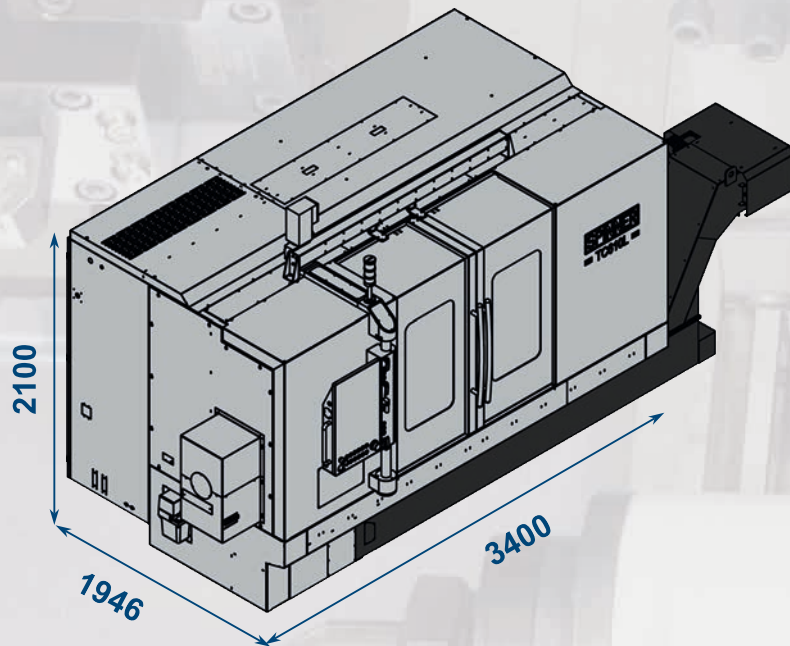




Version with standard chip conveyor

1) 184 TC610L-65

1) 344 TC610L-85



Compact dimensions for low space requirement



Werkzeugmaschinenfabrik GmbH



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