

# SPINNER

# TC400

Precise Universal Lathe



Mechanical Engineering  
**Made in Europe**

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

**Ideal for Hard Turning**

**Available with or without driven tools**

**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**



Fanuc 32i

**Chip conveyor as standard**

**Toolsetter and tailstock as standard**

**Perfect free chip fall**

**Large panoramic window to the working area**

(Cannot be combined with part catcher)

**Machining of bars or integrated automation with robotic system**



Stable  
Compact  
Dynamic  
Universal  
Precise

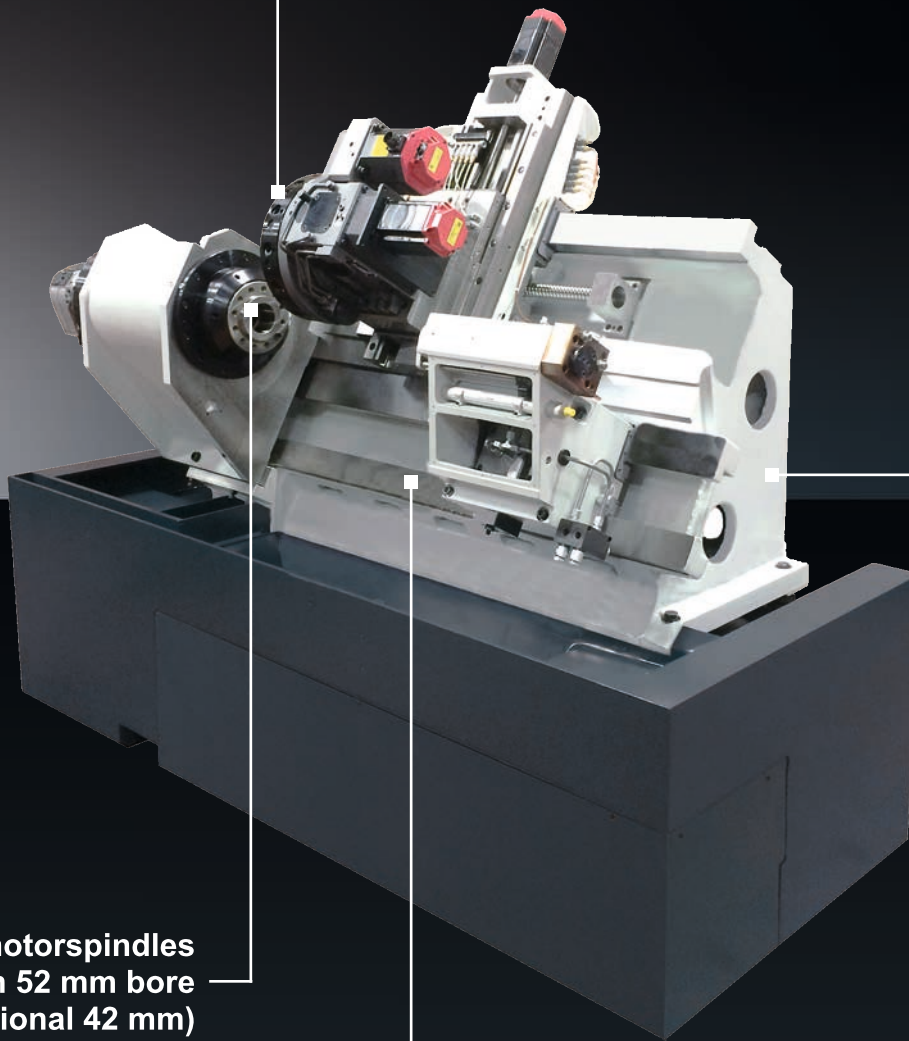
Up to 12 driven tools

Servo turret with  
toolholder VDI30

Rigid machine  
base as a one-  
piece casting

Modern motorspindles  
with 52 mm bore  
(optional 42 mm)

Hardened and ground sliding  
guideways for best vibration  
damping





# Automation solutions

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

## Robots



### Your advantages at one glance

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

## Bar feeding system and Part catcher



\* Part catcher cannot be combined with panoramic window

SPINNER Bar feeding magazines for short bars or 3-meters-magazines  
All "from a single source"

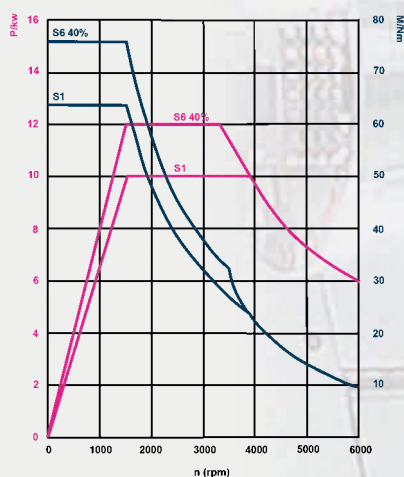
**Ask us for your solution!**

Working area	TC400-52	TC400-42 (optional)
Swing diameter	400 mm	
Max. turning diameter	~280 mm	
Max. turning length	~500 mm	
X / Z-axis	200 / 515 mm	
Axes		
Rapide traverse X / Z	15 / 24 m/min	
Spindle 1		
Max. spindle speed	5.000 rpm	6.000 rpm
Spindle nose	A6/DIN	Ø 110 mm
Chuck diameter	210 mm	140 mm
Spindle bore	52 mm	42 mm
Performance $P_{max}$	23,5 kW	15 kW
Torque $M_{max}$	150 Nm	96 Nm
Turret		
Number of tool stations	12 (VDI30)	
Number of driven tools (option)	all	
Toolholder	VDI30	
Max. speed of driven tools	up to 4.500 rpm	
Performance $P_{max}$	16,5 kW	
Torque $M_{max}$	35 Nm	
General indications		
Dimensions (L x W x H) <sup>1)</sup>	2195 x 1350 x 1865 mm	
Weight <sup>2)</sup>	~3.000 kg	~3.000 kg

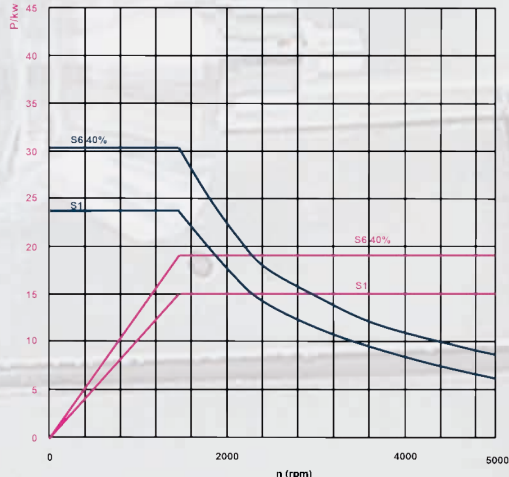
1) See floorplan; 2) Machine net weight MC

## Torque and performance diagrams

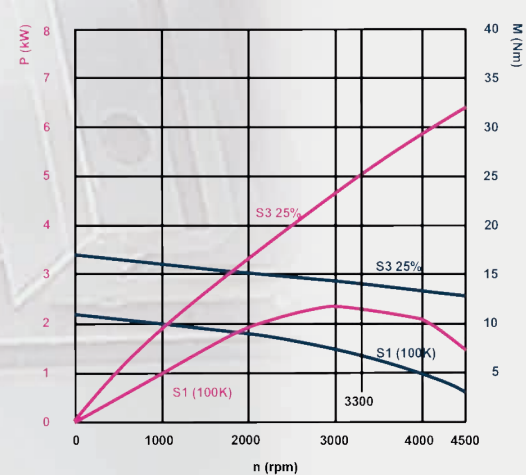
Main spindle TC400-42 6.000 rpm



Main spindle TC400-52 5.000 rpm



Driven tool



- Toolholder package VDI30
- Hard turning package for superfinishing
- Component measurement by touch probe in turret

Sensitive clamping force control  
by differential pressure for main  
spindle

Suction unit for coolant mist  
Fire extinguishing system

External  
tool measurement

Scraping type  
conveyor

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 12-inch screen

Steady rest

Clamping system for the workpiece

Glass scale X-axis / Z-axis

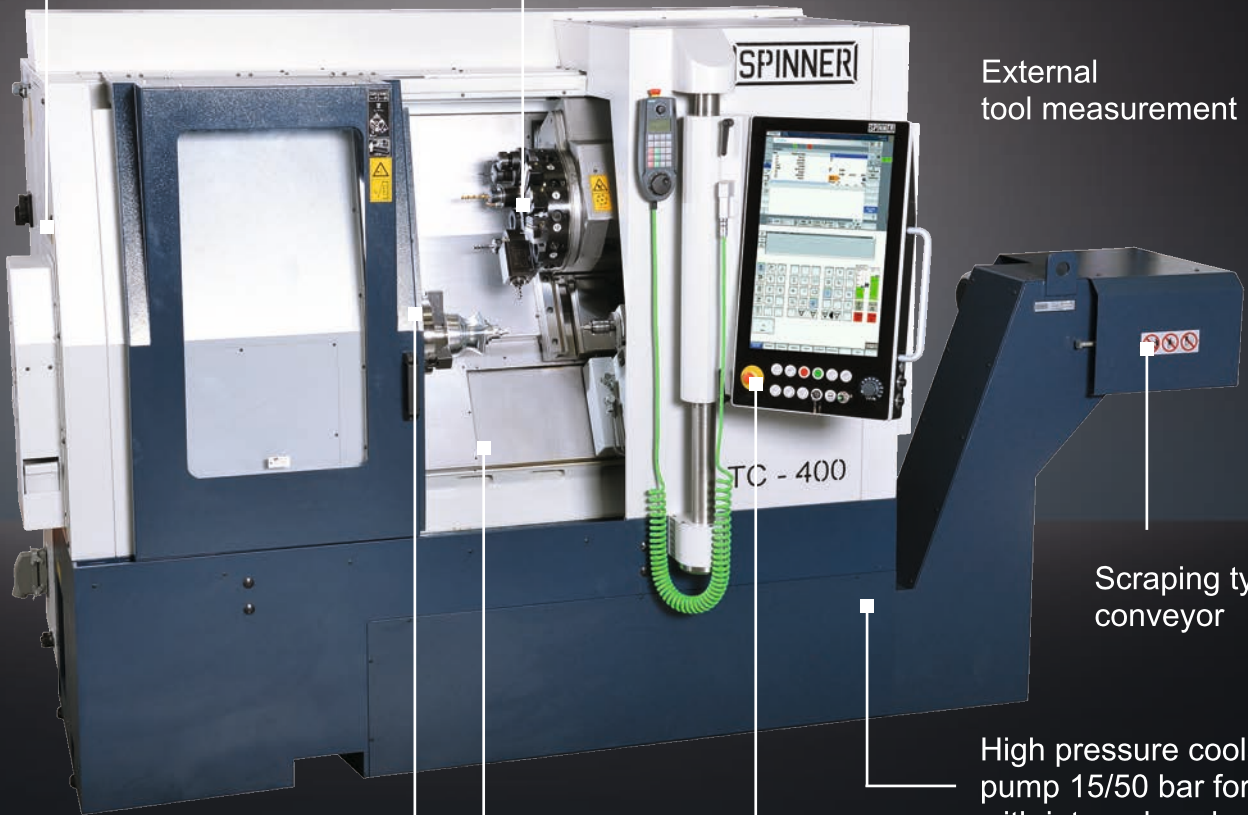
Bar feeder

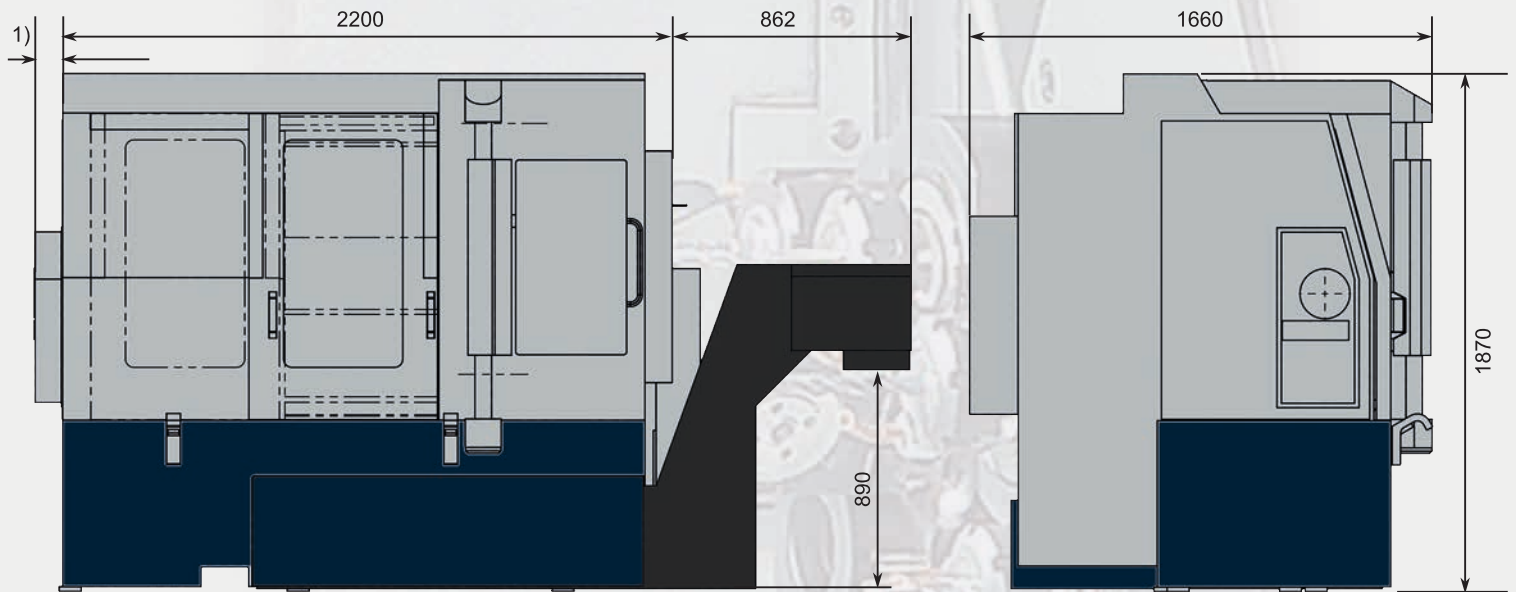
Automatic door

Coolant pistol in  
the working area

Part catcher

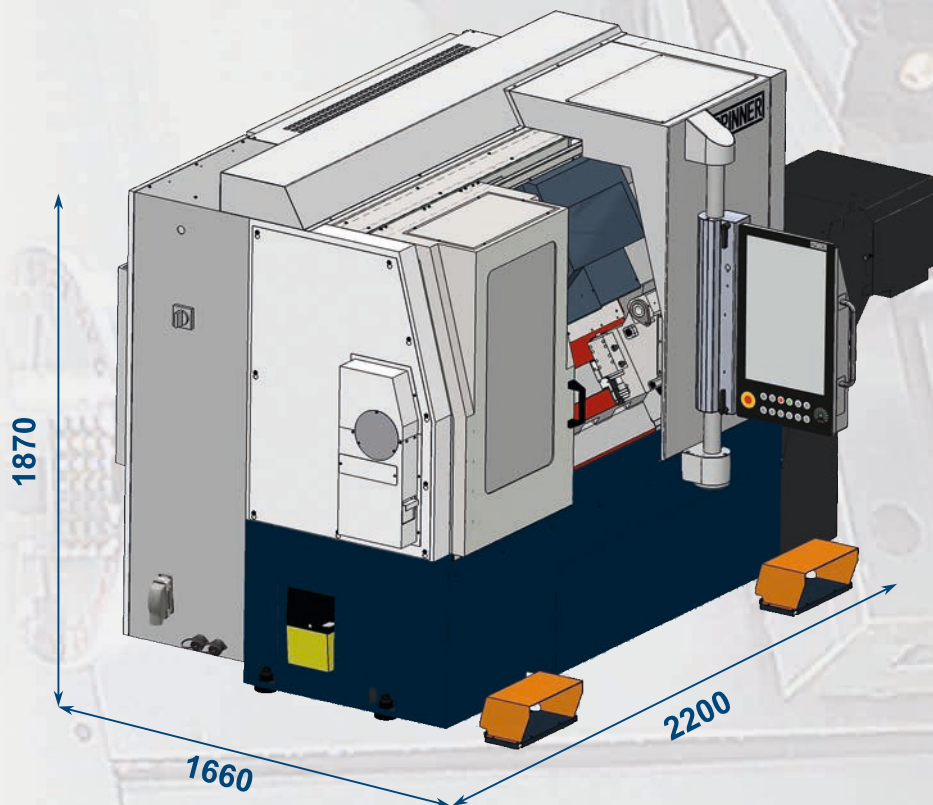
Spindle bore with  
42 mm





1) TC400-42/52 100

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.

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