

SPINNER

TS 42 / TS 65 TTS 42 / TTS 65



High performance turning center



Mechanical Engineering

Made in Germany

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

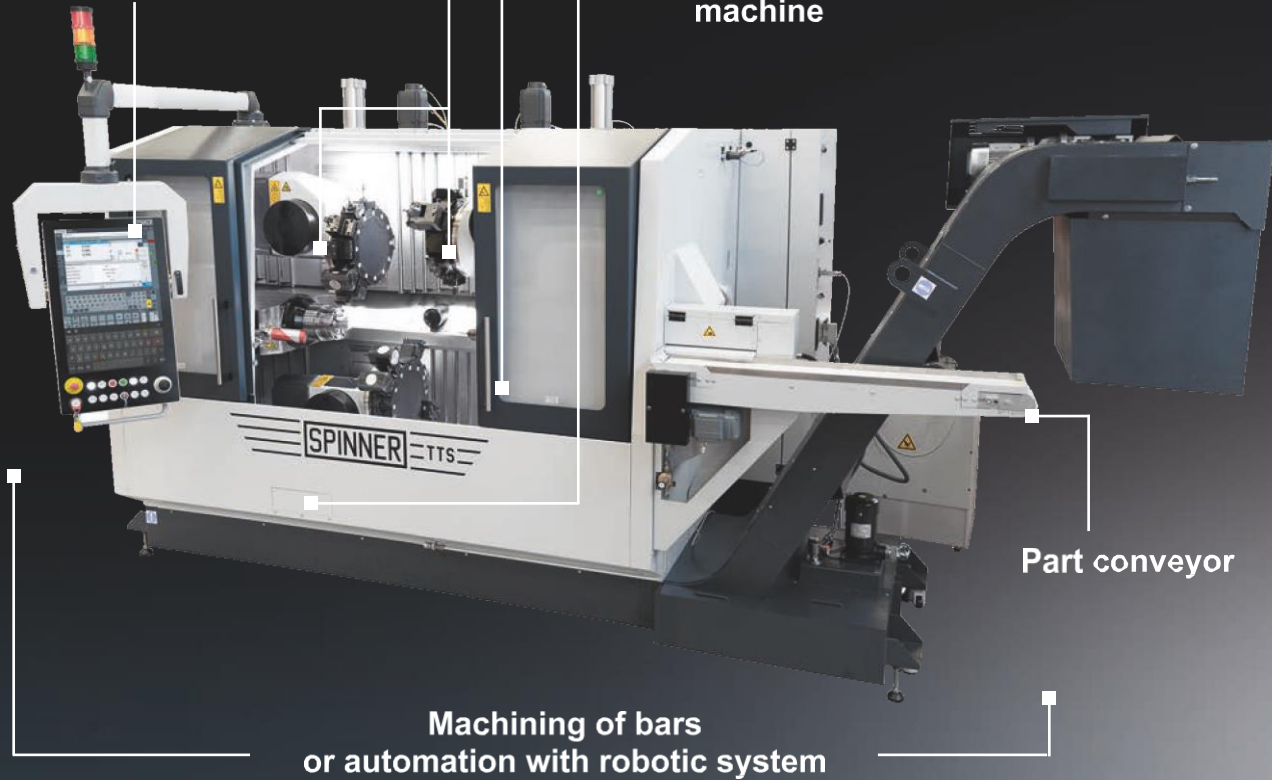
Machine Highlights

Latest control system from Siemens or Fanuc

The control panel can be mounted on the left or right side

Y axis in two turrets

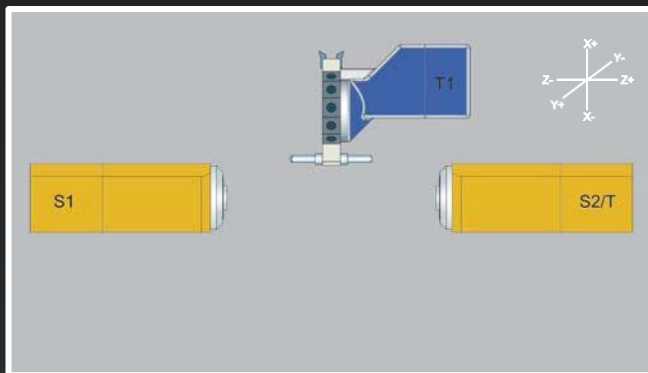
Parts catcher
Ejection of the finished part at the bottom of the machine front or on the right side of the machine



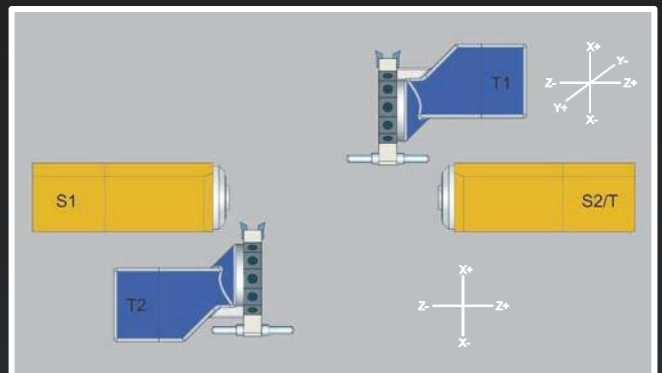
Part conveyor

Machining of bars
or automation with robotic system

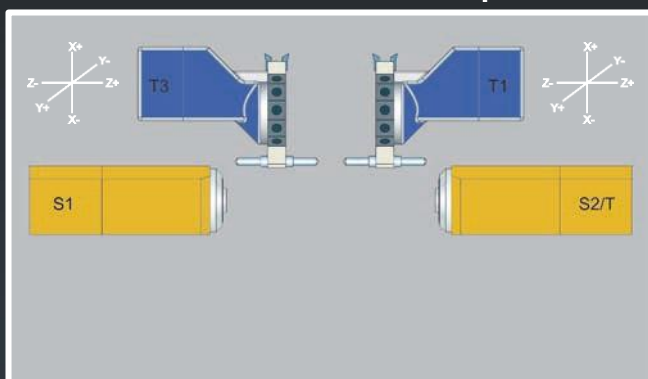
TS: One turret at the top



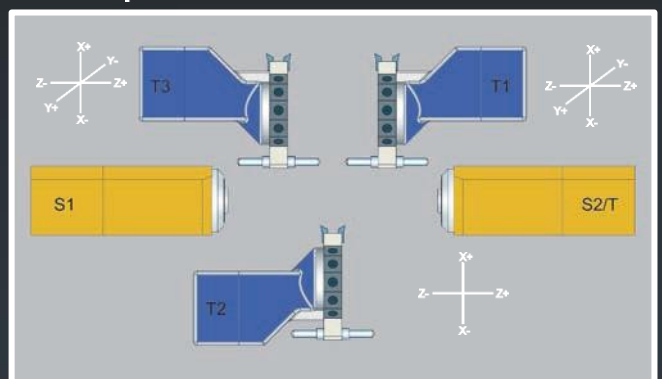
TTS-Duplex: Two turrets top/bottom



TTS-Twin: Two turrets at the top



TTS-Triplex: Three turrets

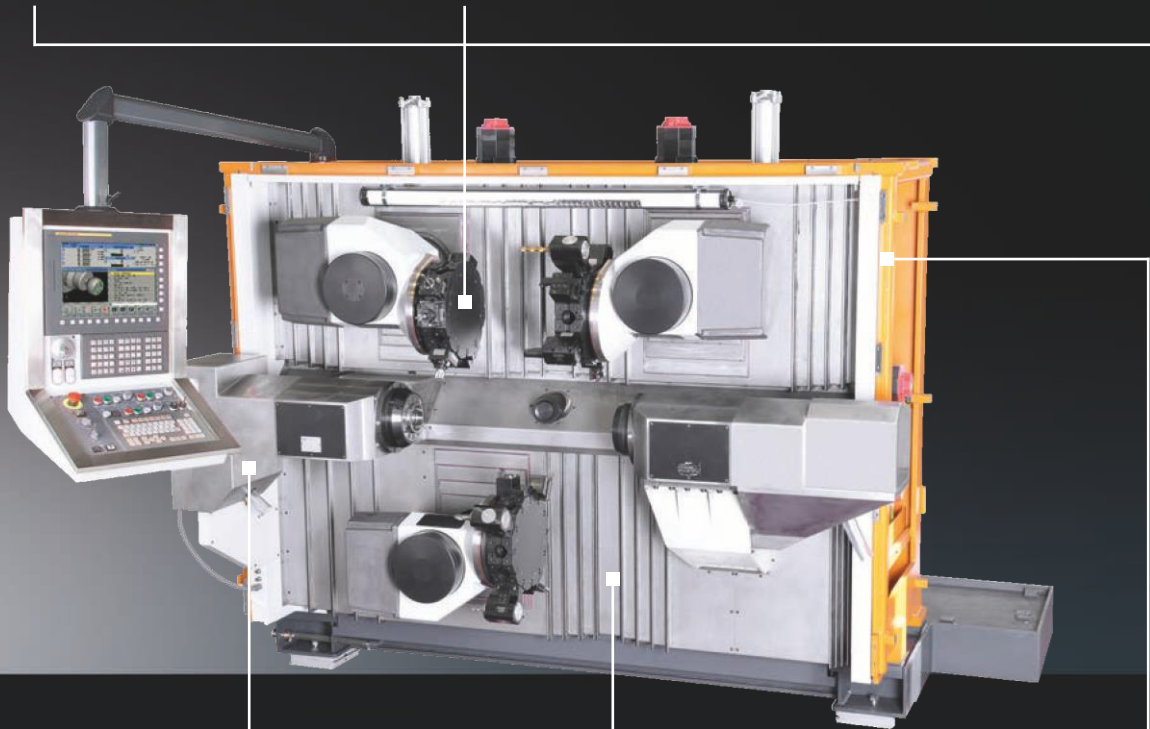


Powerful
Highly dynamic
Highly productive
Made in Germany

Powerful tool drive
on all 3 turrets

High speed SPINNER servo
turrets with tool holders
according to BMT45 or VDI25

Each turret can be used on both
spindles for optimal capacity
utilisation and shortest machining
time



Spindles with 42 mm or 65 mm
bores

Optimal working
area guarding

90 degrees slant bed for
free chip fall

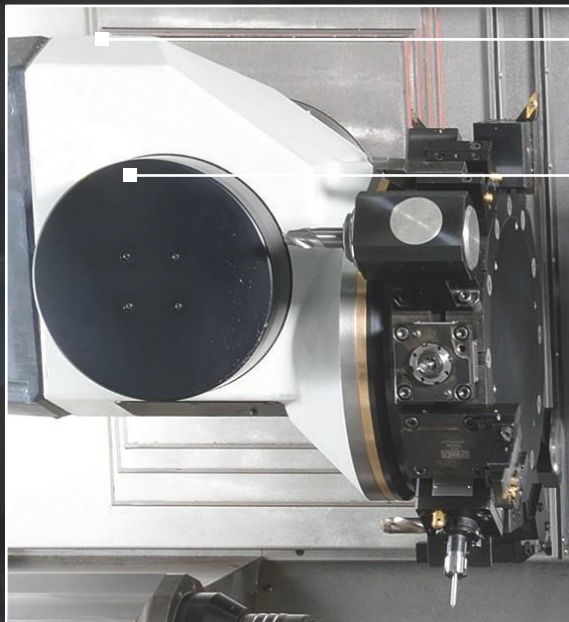


Parts removal at spindle 2 and ejection on parts conveyor belt on right side of machine



- Clear structured working area

Working area with up to 3 turret
(Triplex)



- Optimised turrets

With high stiffness and favourable interference contour

- Integrated vibration absorber

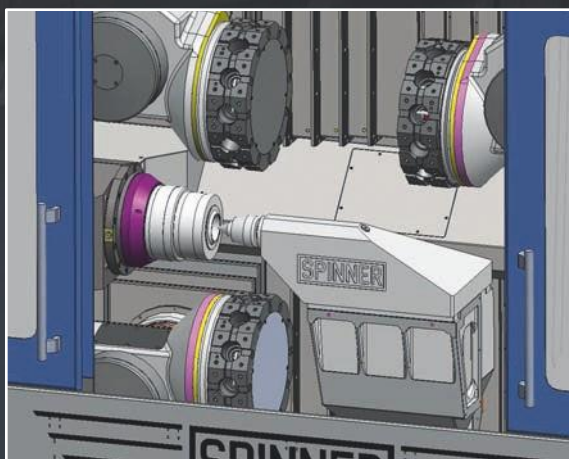
To reduce micro vibrations for higher metal cutting
performance and improved surface quality

- High thermal stability

By direct measuring system and central cooling
technology

- 30% higher cutting performance

- High spindle speeds up to 10,000 rpm



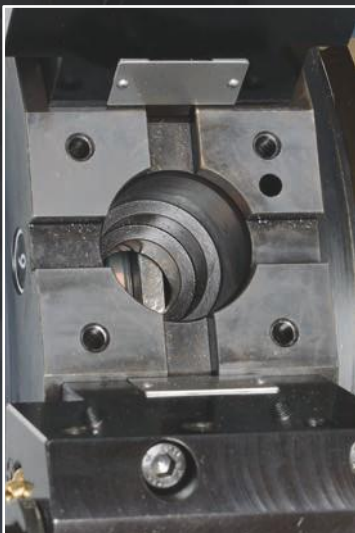
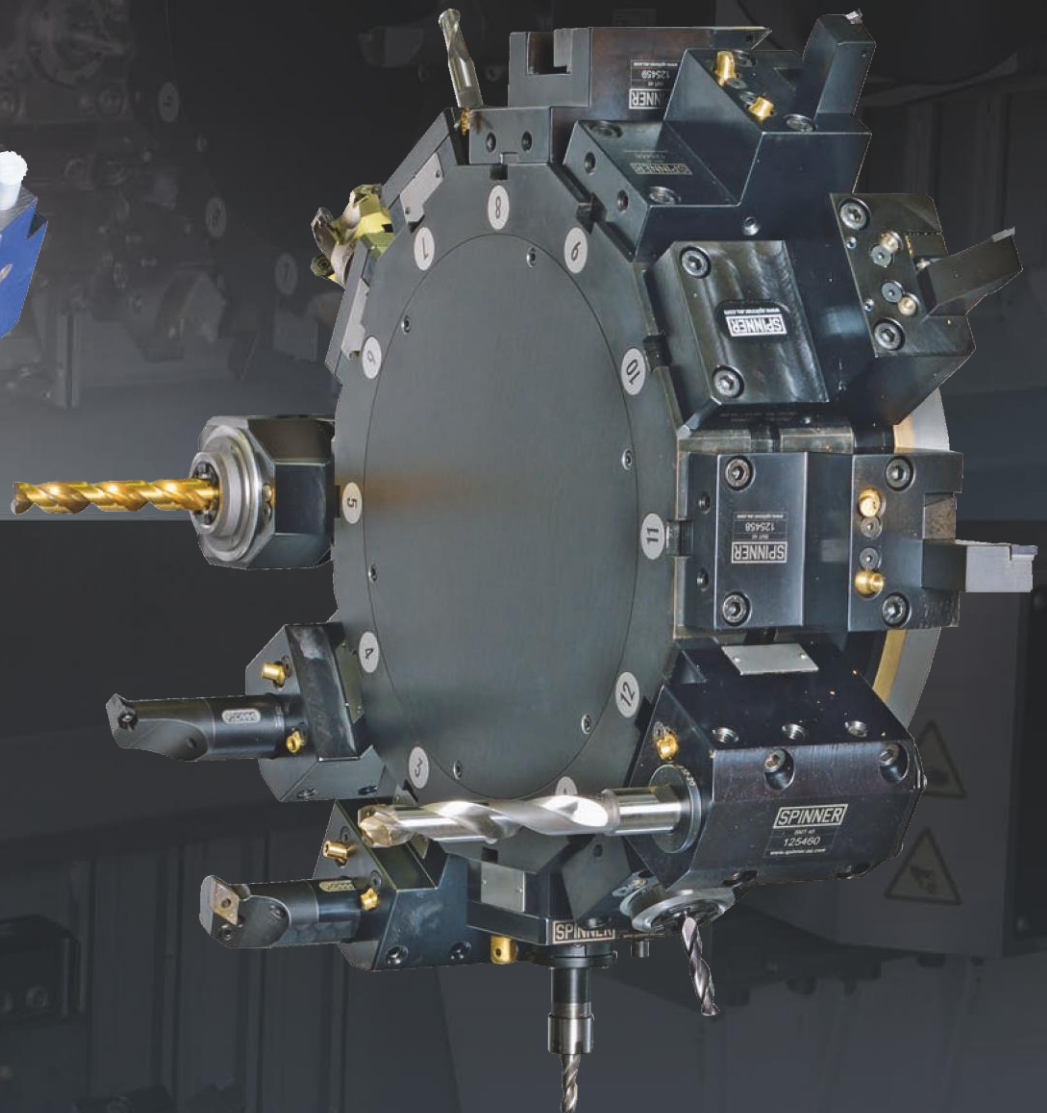
- Tailstock instead of sub spindle

Mounted on CNC slides along the machine bed
With MK4 mount in the tailstock body

- Tool holder BMT45 as standard

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



Tool holder VDI25 as option

Automation solutions

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



Your advantages at one glance

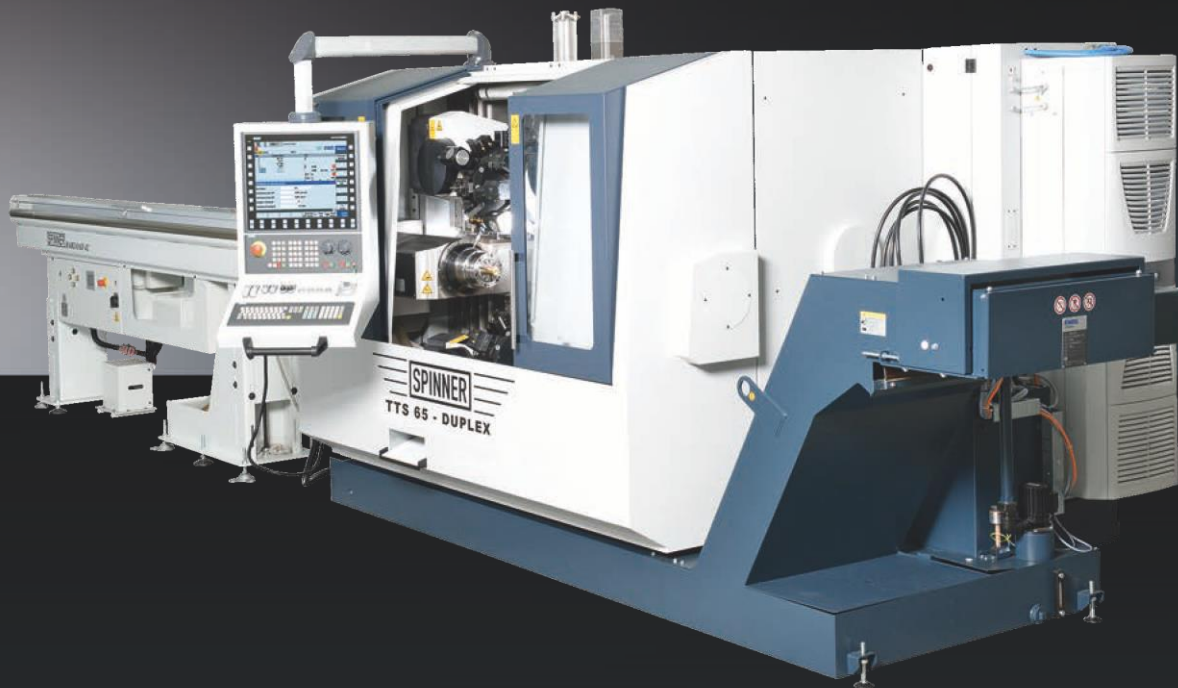
- Increase in productivity
- Cost reduction
- Optimal processes for your machining requirements
- Everything from one source

Ask us for your solution!

Bar feeding system



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



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



Working area	TS 42	TS 65	TTS 42	TTS 65	TTS 65 High Torque
X1/X3 axis	180 mm	180 mm	180 mm	180 mm	180 mm
X2 axis	-	-	180 mm	180 mm	180 mm
Y1/Y2 axis	±45 mm	±45 mm	±45 mm	±45 mm	±45 mm
Z1/Z3 axis	688 mm	688 mm	688 mm	704 mm	688 mm
Z2 axis	-	-	620 mm	620 mm	620 mm
Axes					
Rapid traverse X, Y, Z	30 m/min	30 m/min	30 m/min	30 m/min	30 m/min
Spindle 1					
Max. spindle speed	7,000 rpm	5,000 rpm	7,000 rpm	5,000 rpm	5,000 rpm
Spindle nose	Ø110 mm	DIN A6	Ø110 mm	DIN A6	DIN A6
Spindle bore	42 mm	65 mm	42 mm	65 mm	65 mm
Power chuck	140 mm	210 mm	140 mm	210 mm	210 mm
Performance	22 kW (S6 40%)	24 kW (S3 40%)	22 kW (S6 40%)	24 kW (S3 40%)	30 kW (S3 40%)
Torque	128 Nm (S6 40%)	151 Nm (S3 40%)	128 Nm (S6 40%)	151 Nm (S3 40%)	221 Nm (S3 40%)
Spindle 2					
Max. spindle speed	7,000 / 5,000 rpm				
Spindle nose	Ø110 mm / DIN A6				
Spindle bore	42 / 65 mm				
Power chuck	140 / 210 mm				
Performance	22 kW (S6 40%) / 24 kW (S3 40%)				
Torque	128 Nm (S6 40%) / 151 Nm (S3 40%)				
Tailstock					
Tailstock stroke	620 mm				
Tailstock taper	MK4				
Turret					
Number of tool stations	TS: 1x12, Duplex/Twin: 2x12; Triplex 3x12				
Number of driven tool stations	TS: 1x12, Duplex/Twin: 2x12; Triplex 3x12 Indexing in 0.4 s				
Tool holder	Standard BMT45 / option VDI25				
Max. speed of the driven tools	8,000 rpm, option 10,000 rpm				
Performance ¹⁾	5.5 kW				
Torque ¹⁾	13.6 Nm (10.9 Nm with option 10,000 rpm)				
General Indications					
Dimensions (L x W x H) ²⁾	4,940.0 x 3,480.0 x 2,670.0 mm				
Turning diameter	300 mm				

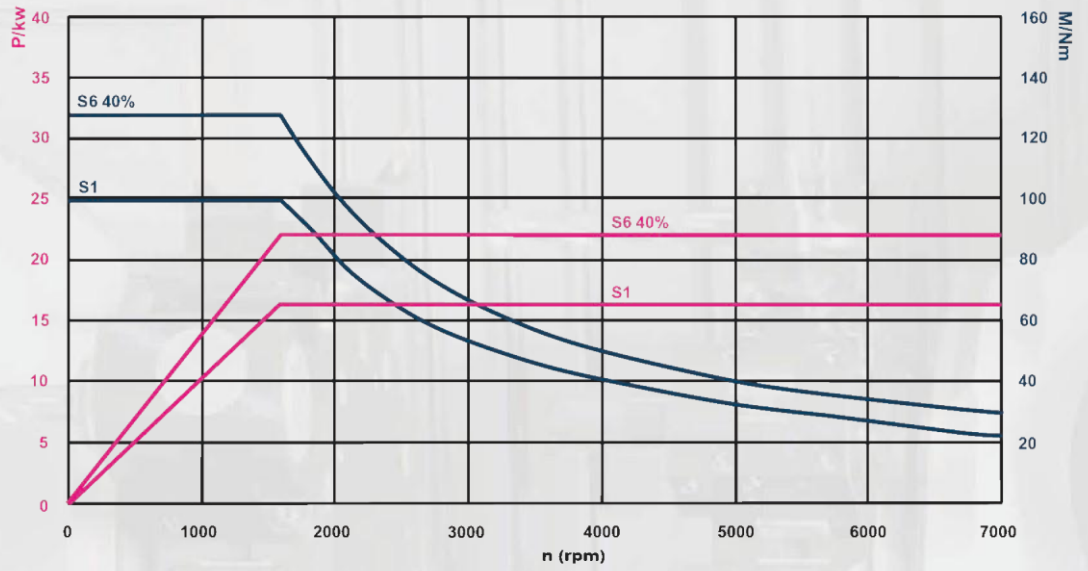
1) Valid for rated speed 3,000 rpm

2) With 80 bar coolant system

3) Machine net weight TTS65 Triplex

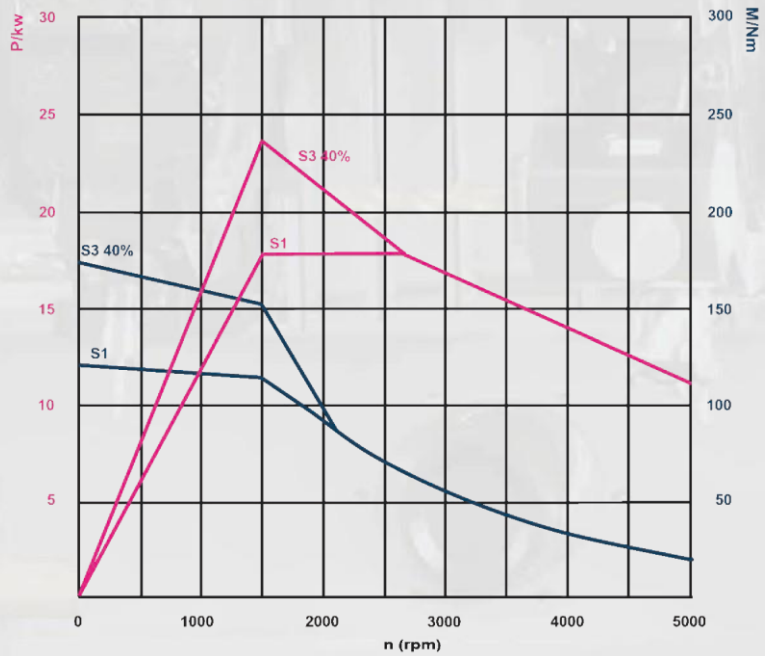
Main Spindle TTS42
Sub Spindle TTS42/TTS65

7,000 rpm

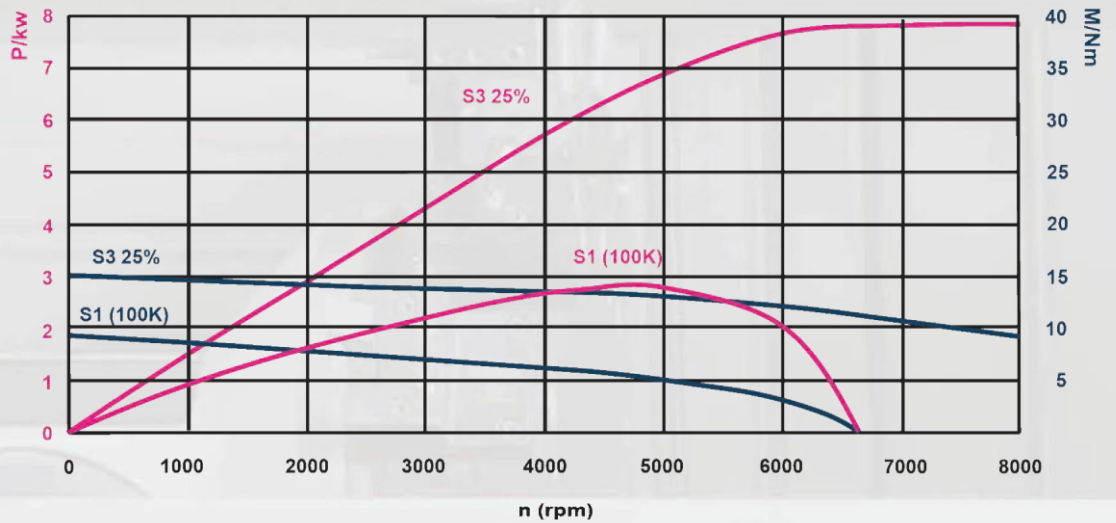


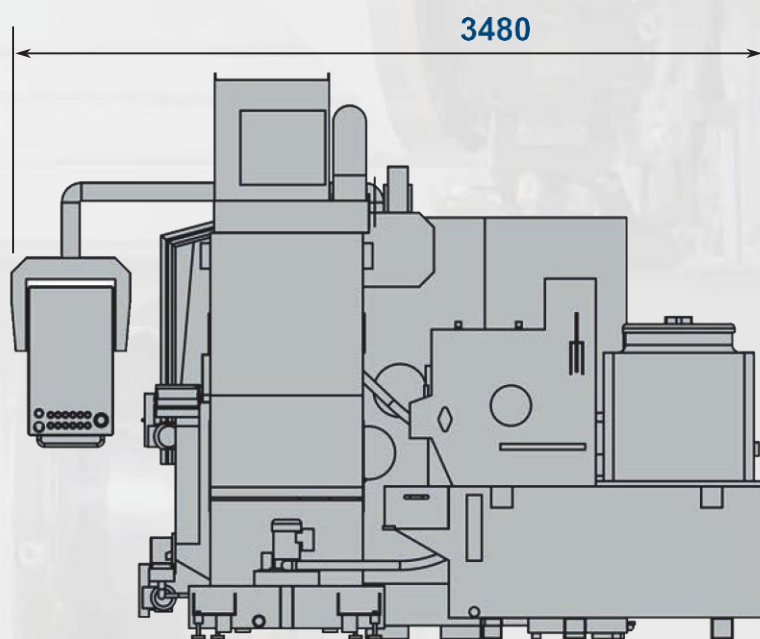
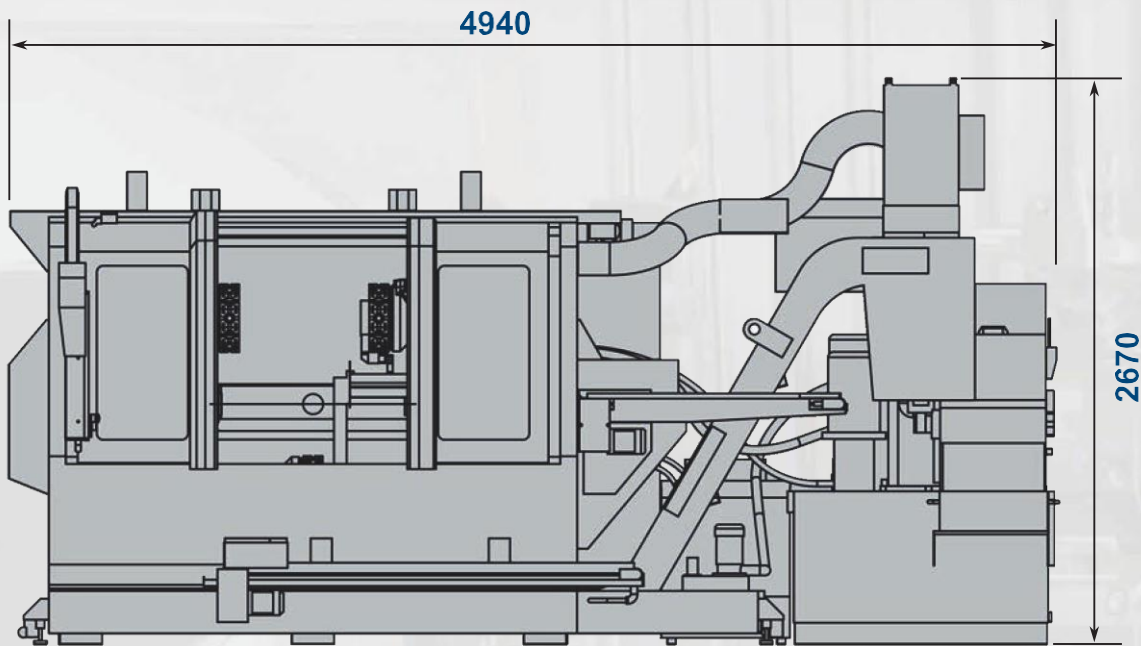
Main Spindle TTS65
(Standard)

5,000 rpm



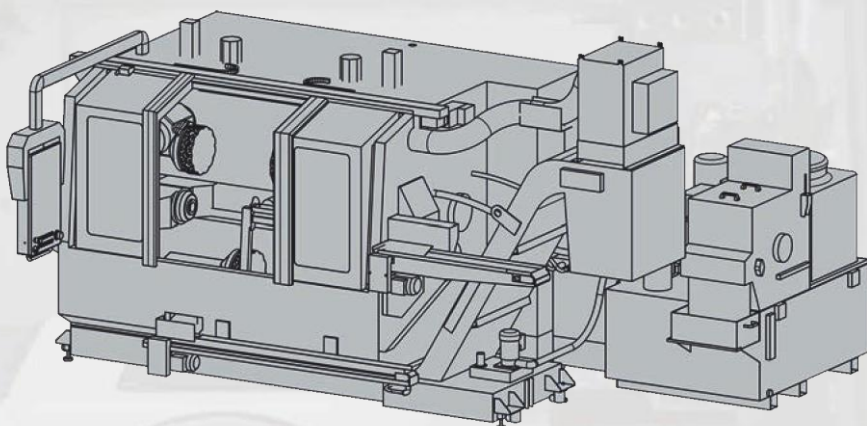
Driven tool





Shown with optional coolant system
80 bar and coolant temperature control

Further variants on request





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.



Video

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