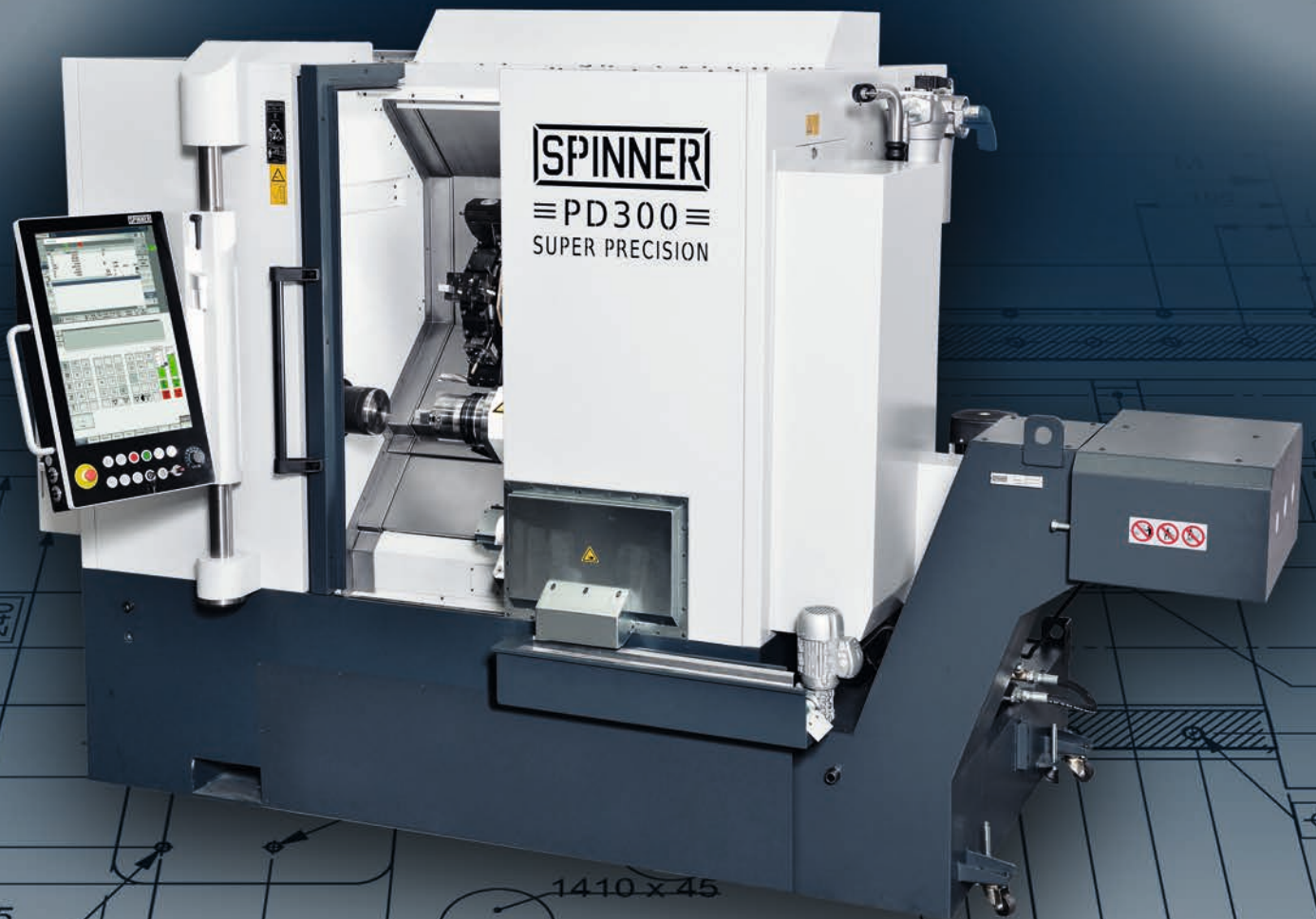


SPINNER

PD300

High-Precision Lathe



Mechanical Engineering
Made in Europe

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

Machine Highlights

Latest control system:
Siemens ONE or Fanuc 32iT

Siemens Operating panel adjustable
in height and angle

Available with or without
driven tool and Y axis

Ideal for Hard Turning

Small distance between
operator and chuck

Compact dimensions for
low space requirement

Toolsetter

Chip conveyor
as standard

Hard turning package
and direct measuring
system

Machining of bars or integrated
automation with robotic system

Large
panoramic
window to the
working area



Stable
Compact
Dynamic
Universal
Precise

Powerful tool drive
in the turret

Rigid SPINNER servo turret
with BMT45 or VDI25
toolholder

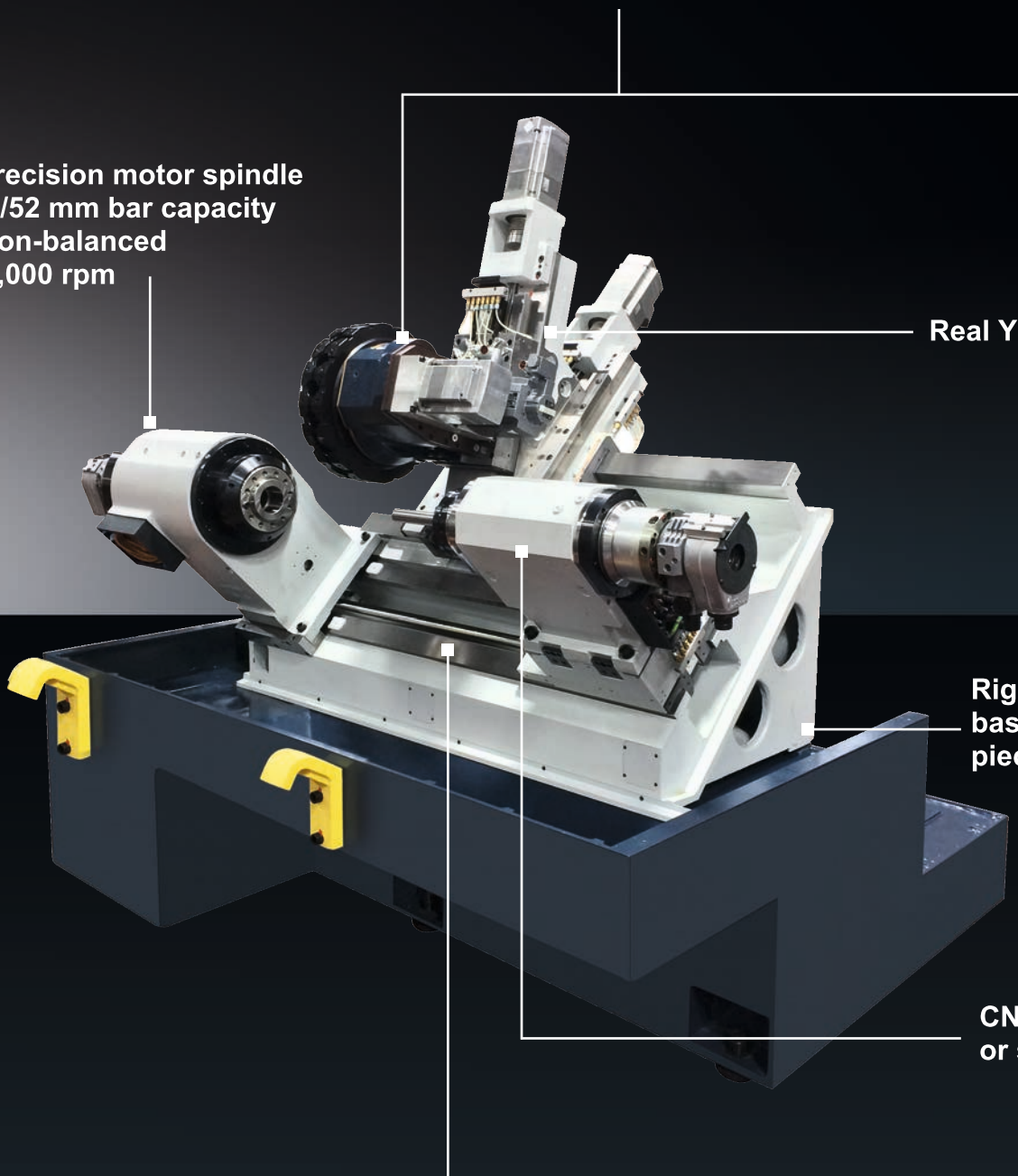
High-precision motor spindle
with 36/52 mm bar capacity
Precision-balanced
up to 7,000 rpm

Real Y-axis

Rigid machine
base as a one-
piece casting

CNC tailstock
or subspindle

Hardened and ground sliding guideways for best vibration damping



- Rigid SPINNER-turret with high milling performance that can work on both spindles
- Up to 16 tool stations

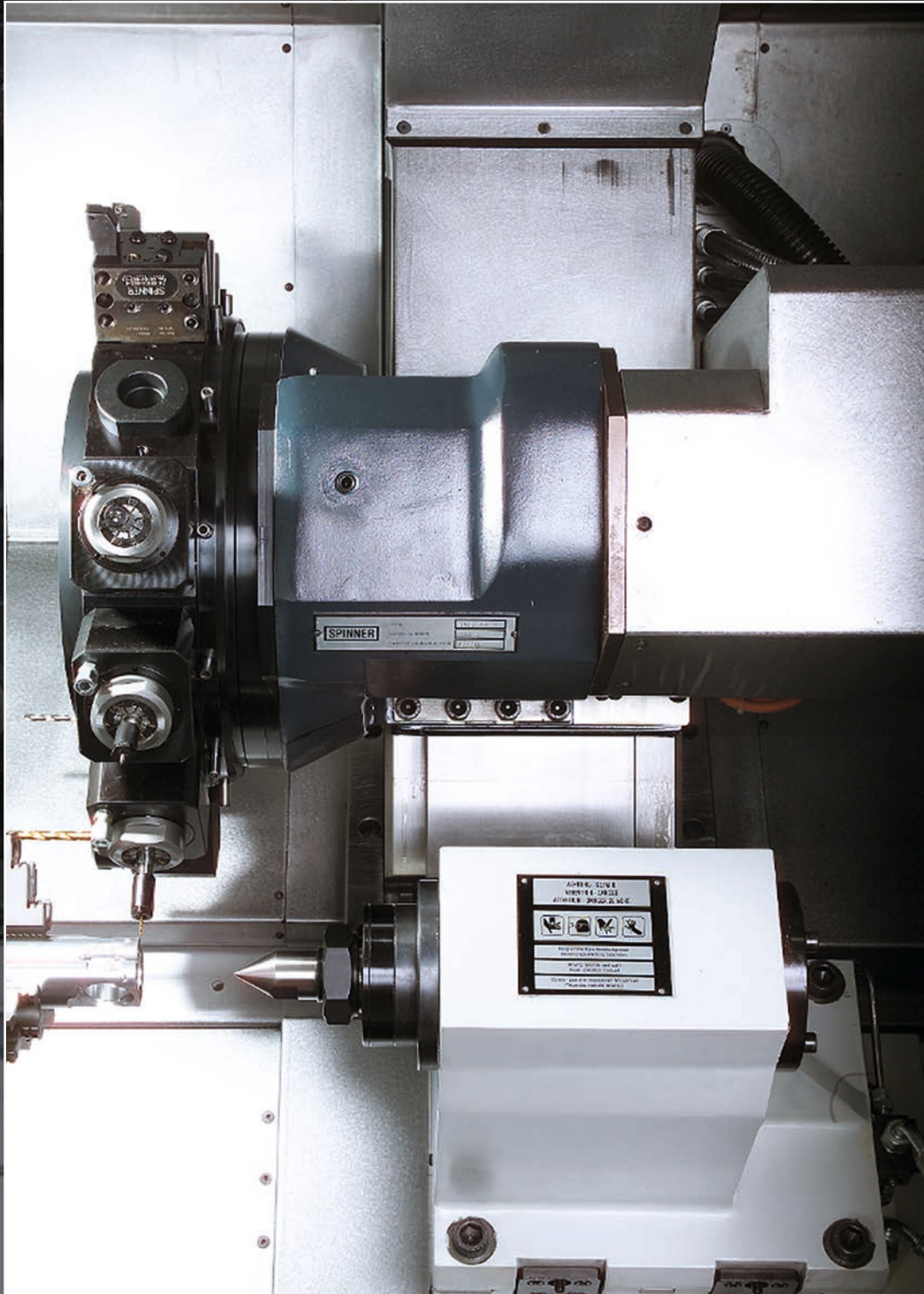
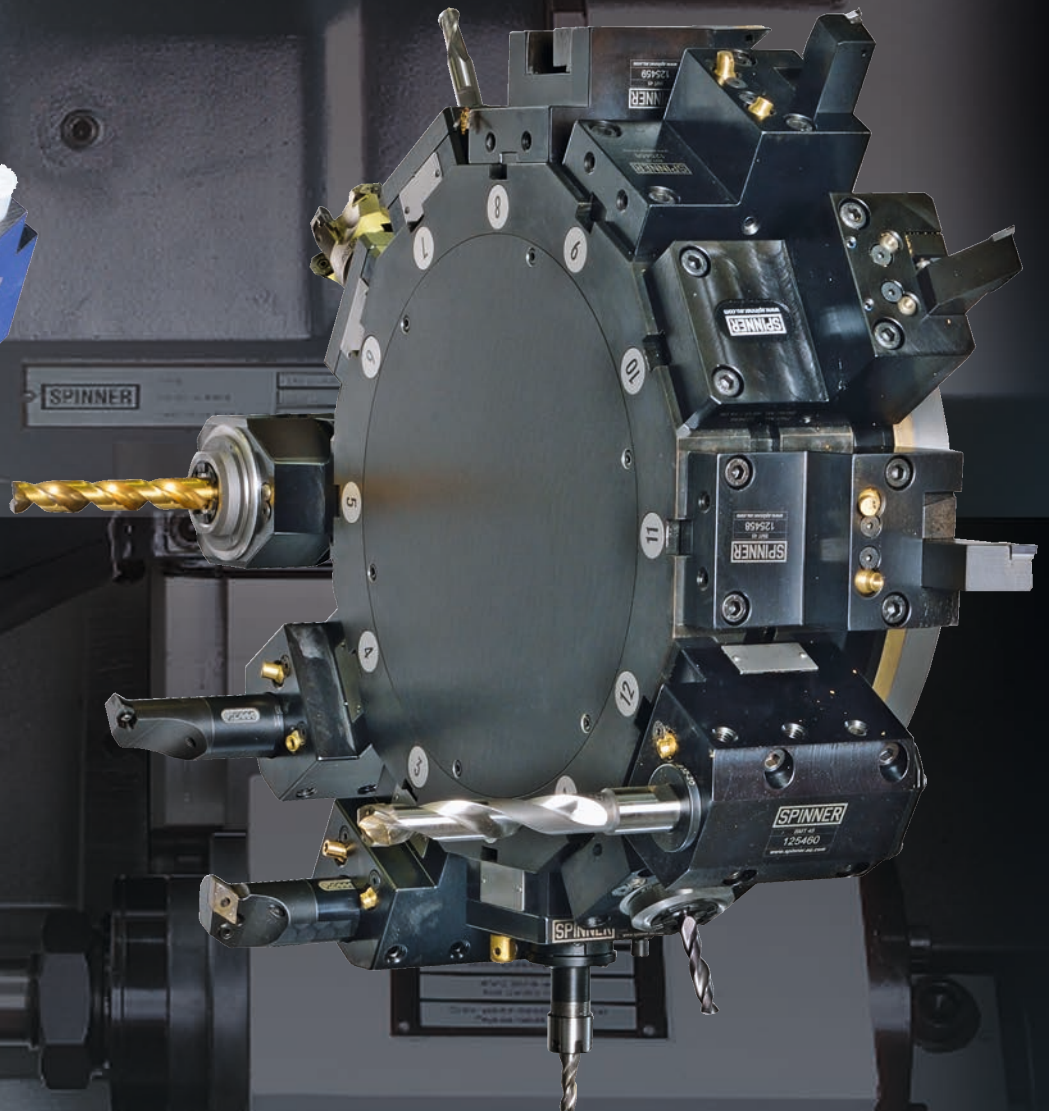


Figure shows turret disc VDI25 and CNC tailstock

•Tool holder BMT45

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



•Or toolholder VDI25

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 Bar feeding magazines

For feeding bars up to a maximum of 3200mm



Part catcher



For collection of cut-off parts to put them in a storage bin or to place them on a conveyor belt

Working area	PD300-36	PD300-52
Swing diameter	400 mm (15.7 in)	400 mm (15.7 in)
Max. turning diameter	~200 mm (~7.9 in)	~200 mm (~7.9 in)
Max. turning length	350 mm (13.8 in)	350 mm (13.8 in)
X1 / Z-axis	180 / 450 mm (7.1 in / 17.7 in)	180 / 450 mm (7.1 in / 17.7 in)
Y-axis (option)	+40 / -40 mm (+1.6 in / -1.6 in)	+40 / -40 mm (+1.6 in / -1.6 in)
Axes		
Rapide traverse X / Y / Z	15 / 15 / 24 m/min (590.5 / 590.5 / 944.9 IPM)	
Spindle 1		
Max. spindle speed	7,000 rpm	5,000/5,200/6,000 rpm
Spindle nose	A5/DIN	A6/DIN
Chuck diameter	160 mm (6.3 in)	210 mm (8.3 in)
Spindle bore	36 mm (1.4 in)	52 mm (2.0 in)
Performance	10,5 kW (S6/40%) ¹⁾	23,5 kW (P _{max}) ²⁾
Torque	64 Nm (S6/40%) ¹⁾	150 Nm (M _{max}) ²⁾
Spindle 2		
Max. spindle speed	7,000 rpm	7,000 rpm
Spindle nose	Ø100 mm (3.9 in)	Ø100 mm (3.9 in)
Chuck diameter	165 mm (6.5 in)	165 mm (6.5 in)
Performance (P _{max}) ²⁾	11 kW	11 kW
Torque (M _{max}) ²⁾	82 Nm	82 Nm
Turret		
Number of tool stations	12/16 (VDI25) ; 12 (BMT45)	12/16 (VDI25) ; 12 (BMT45)
Number of driven tools (option)	All	All
Toolholder	VDI25 / BMT45	VDI25 / BMT45
Max. speed of driven tools	6,000 rpm	6,000 rpm
Performance (P _{max}) ³⁾	5,5 kW	5,5 kW
Torque (M _{max}) ³⁾	35 Nm	35 Nm
General indications		
Dimensions (L x T x H) ⁴⁾	2247 x 1925 x 2155 mm (88.5 in x 75.8 in x 84.8 in)	
Weight ⁵⁾	~3,700 kg (~8,157.1 lbs)	~3,700 kg (~8,157.1 lbs)

1) Rated speed 2.000 rpm

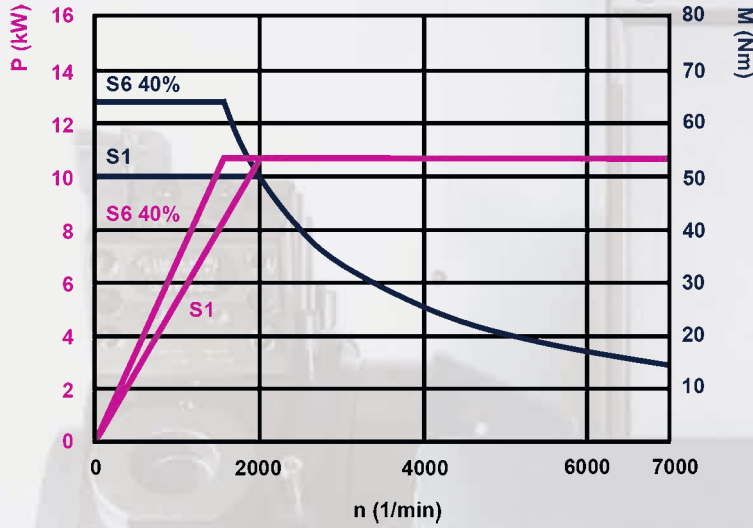
2) Siemens

3) Fanuc

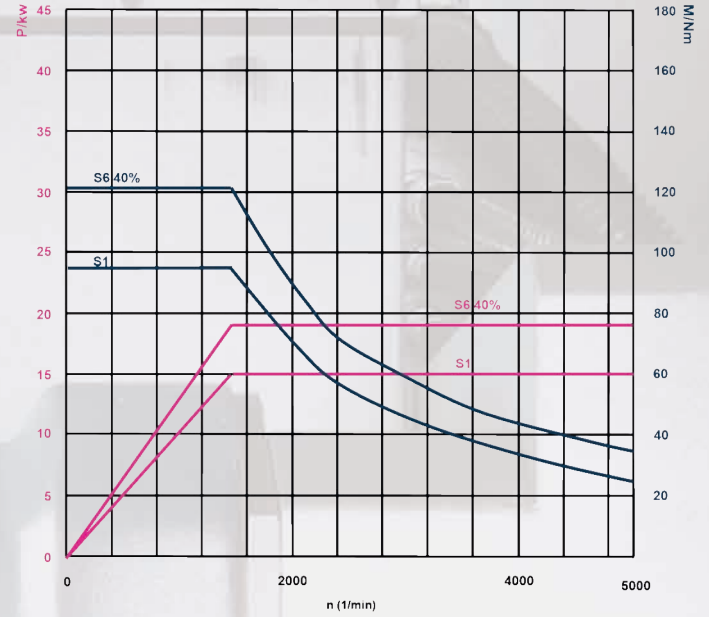
4) See floor plan

5) Machine net weight SMCY

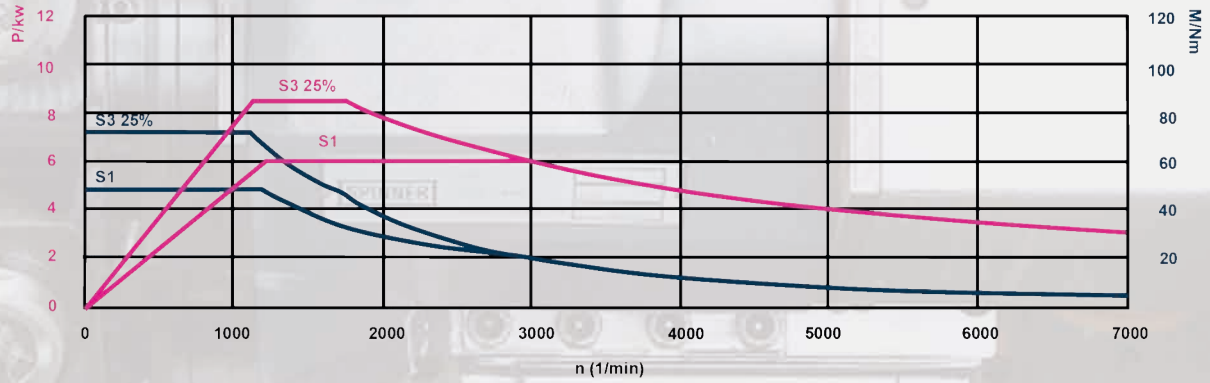
Main spindle PD300-36 7,000 rpm



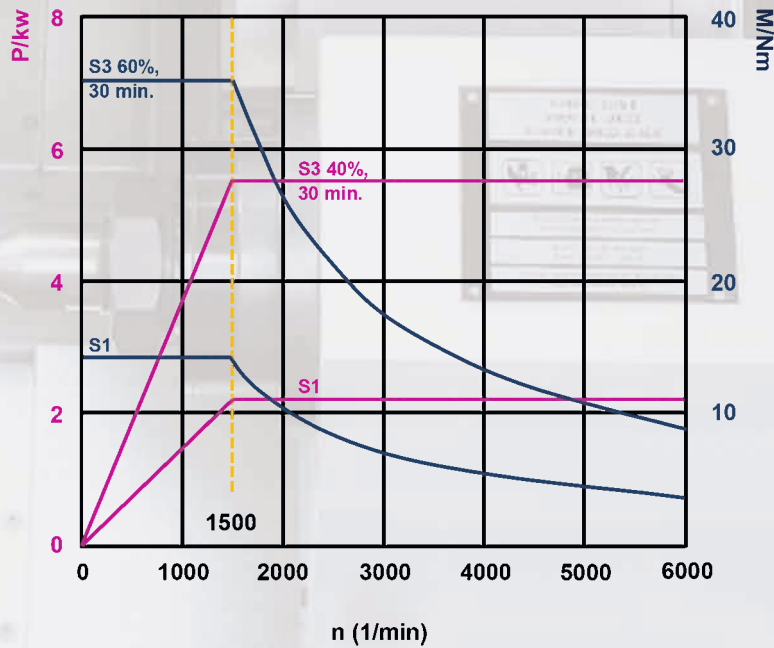
Main spindle PD300-52 5,000 rpm



Sub spindle PD300 7,000 rpm



Driven tool



Air nozzle for compressed air on main spindle/sub spindle

CNC clamping force setting on spindle 1 and/or 2

High-precision motor spindle with 36/52 mm bar capacity
Precision-balanced up to 7,000 rpm

- Turret disc VDI25 16-position (standard 12-position)
- Turret disc BMT45 12-position

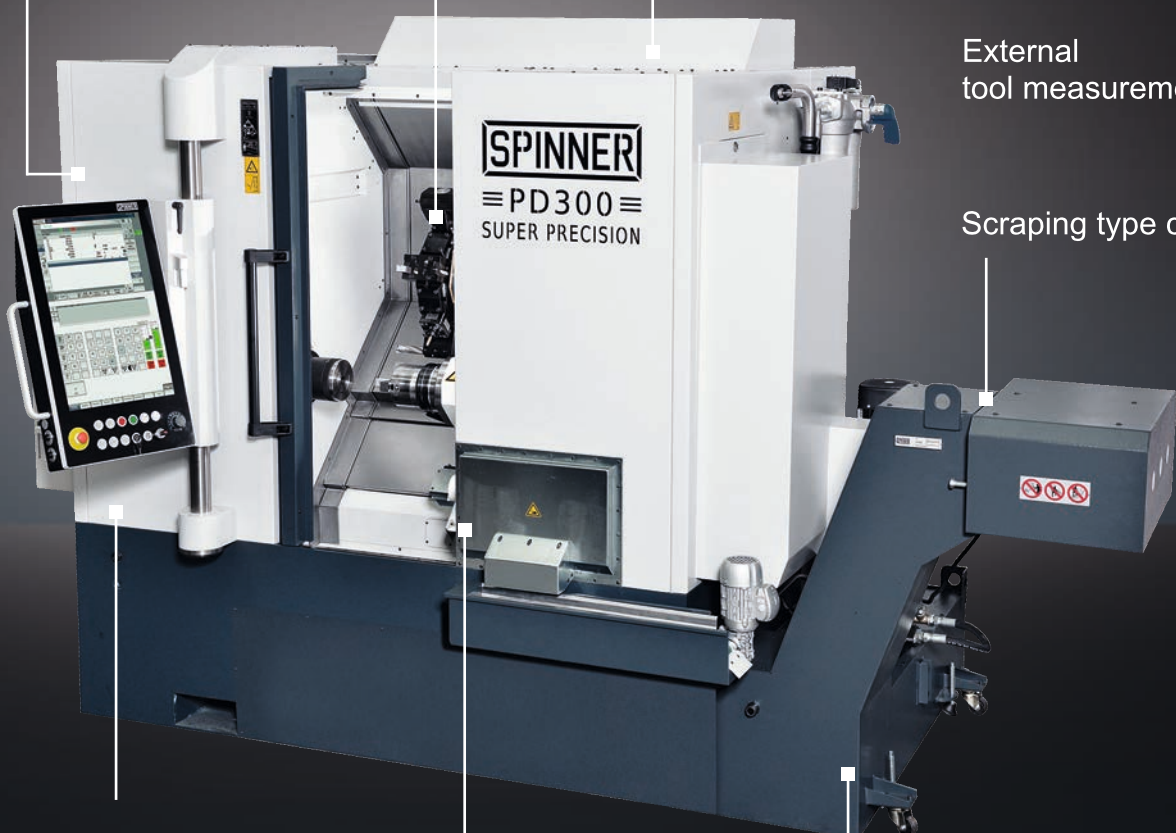
- Toolholder package BMT45
- Toolholder package VDI25
- Hard turning package for superfinishing

- Component measurement by touch probe in turret

Suction unit for coolant mist
Fire extinguishing system

External tool measurement

Scraping type conveyor



Siemens ONE
With Spinner 24-inch Touch panel
Fanuc 32iT
With 15-inch screen

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

Bar feeder

Automatic door

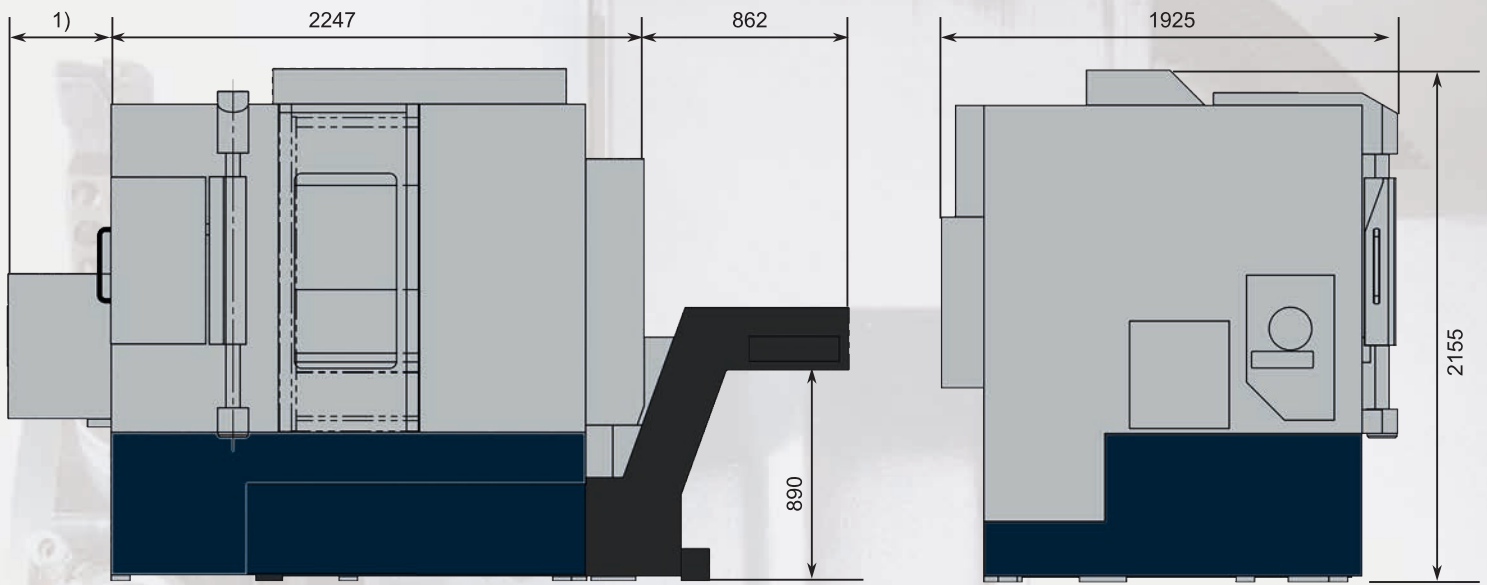
Coolant pistol in the working area

Clamping system for the workpiece

Part catcher

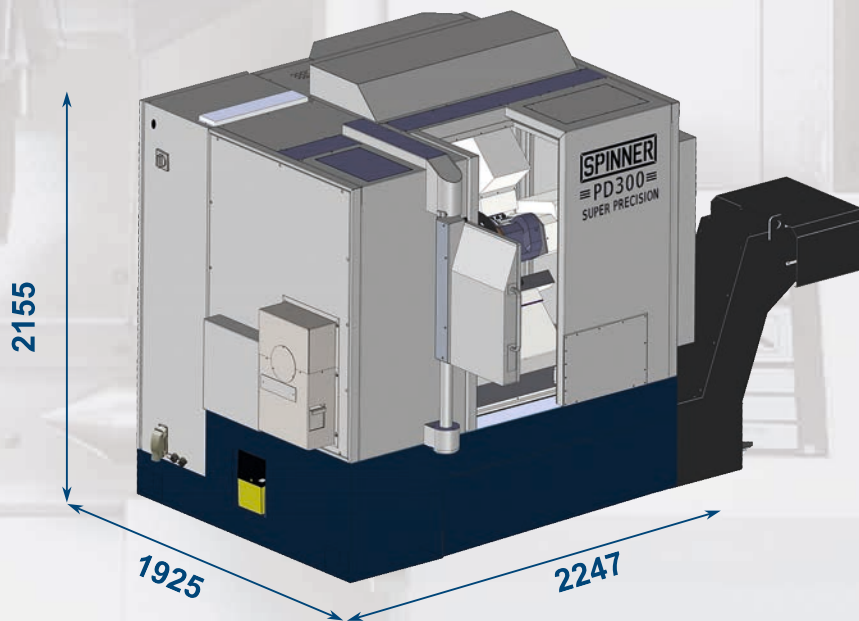
Glass scale X1-axis / Z1-axis

Other options on demand



1) 235 PD300-52

■ Version with standard chip conveyor





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.



Video

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Version 19.6.2024

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