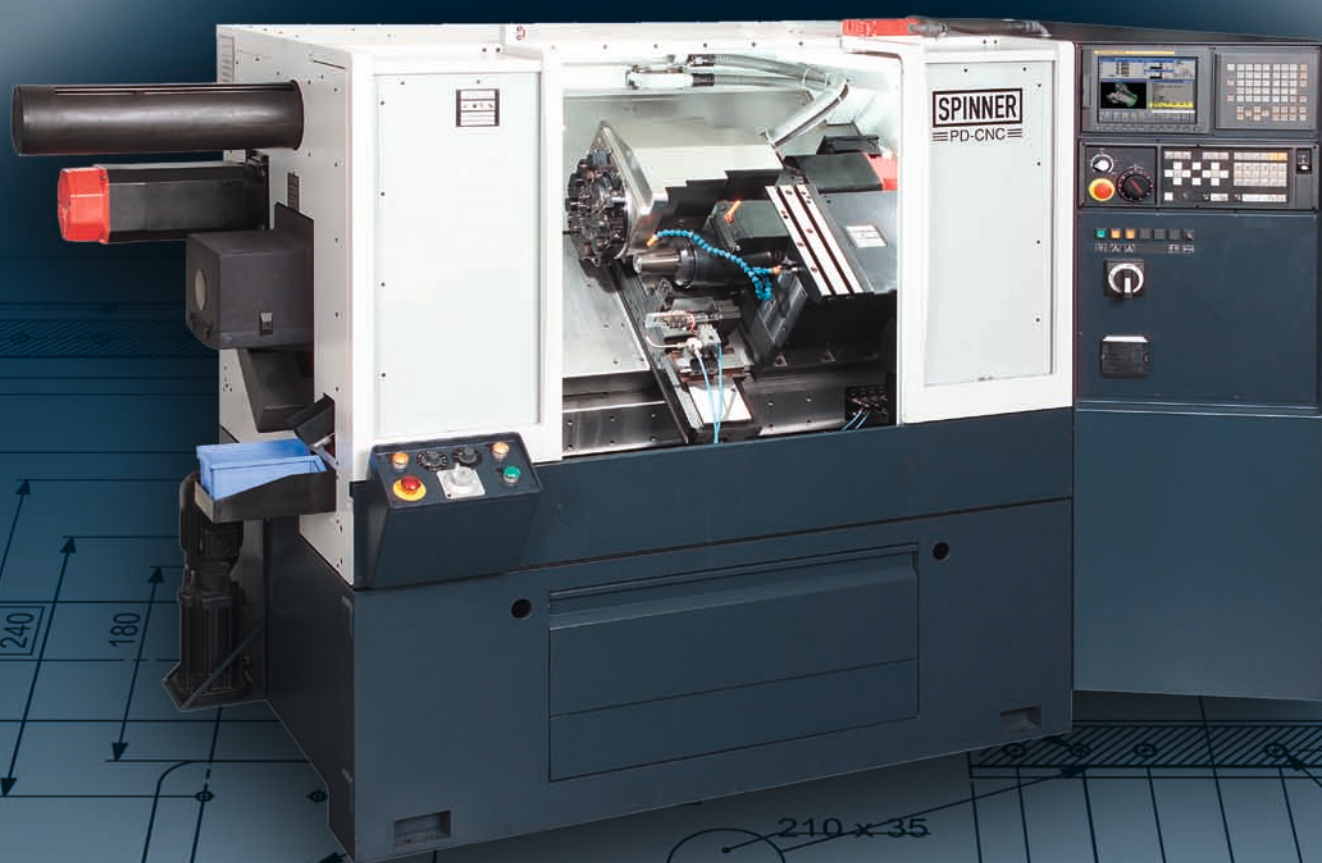


# SPINNER

# PD

Ultra-Precision Lathe



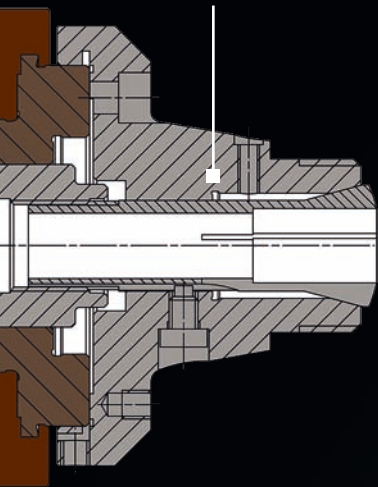
Mechanical Engineering

# Made in Germany

[www.spinner.eu.com](http://www.spinner.eu.com)  
[sales@spinner.eu.com](mailto:sales@spinner.eu.com)

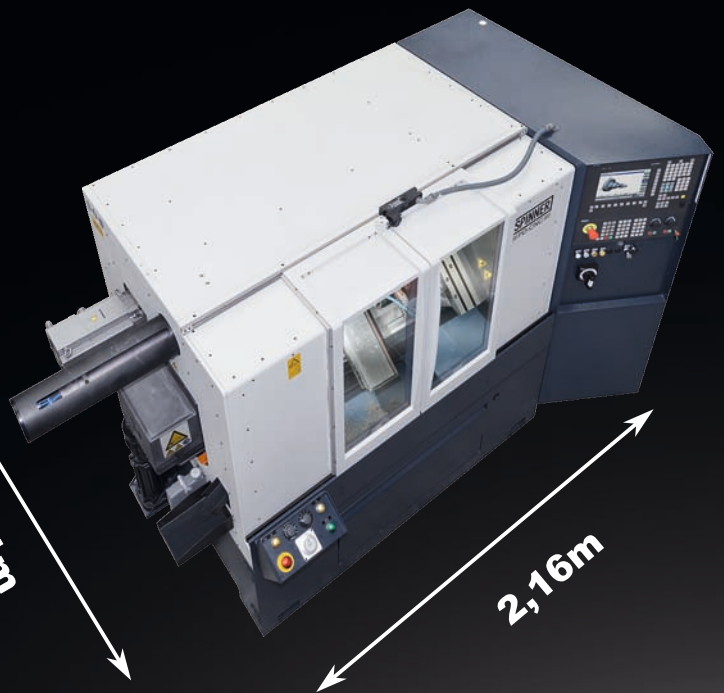
# Machine Highlights

Finely adjustable  
clamping system



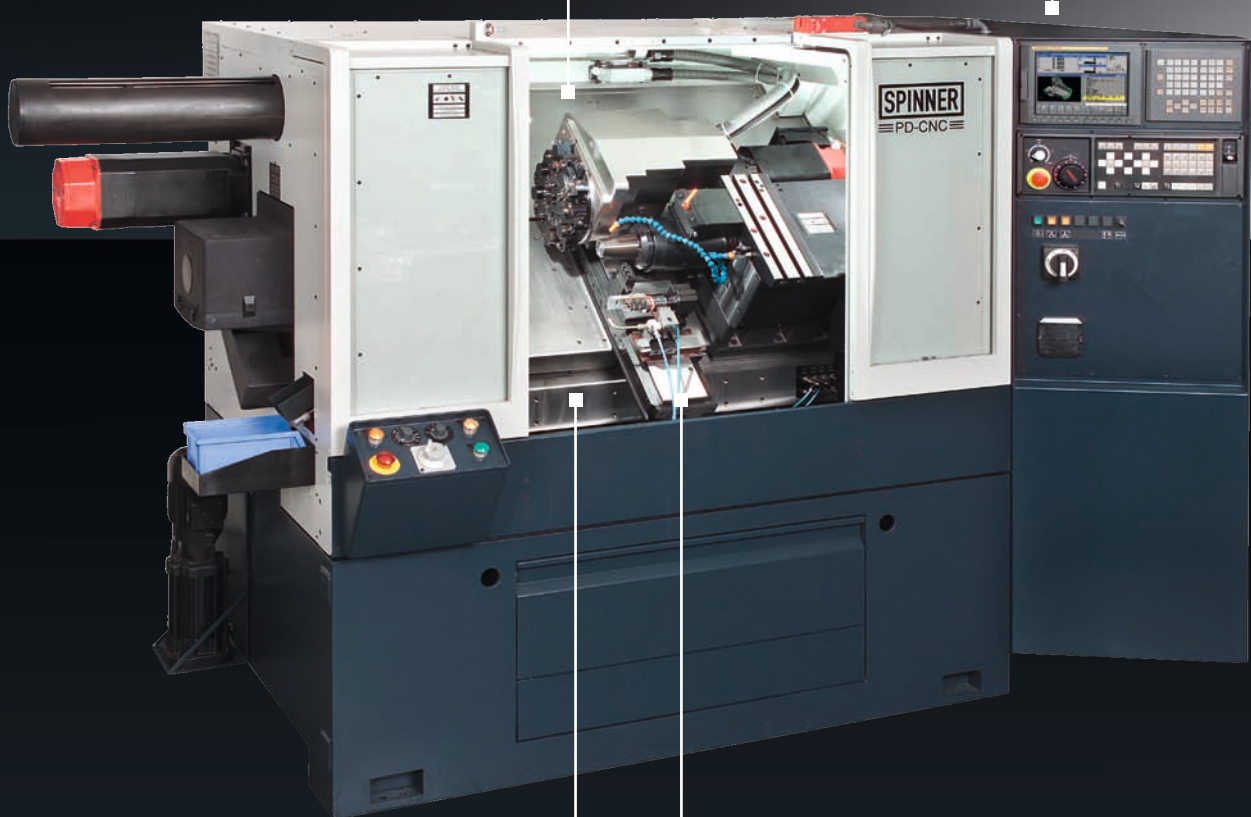
1,1m

2,16m



Easily accessible  
working area

Compact dimensions



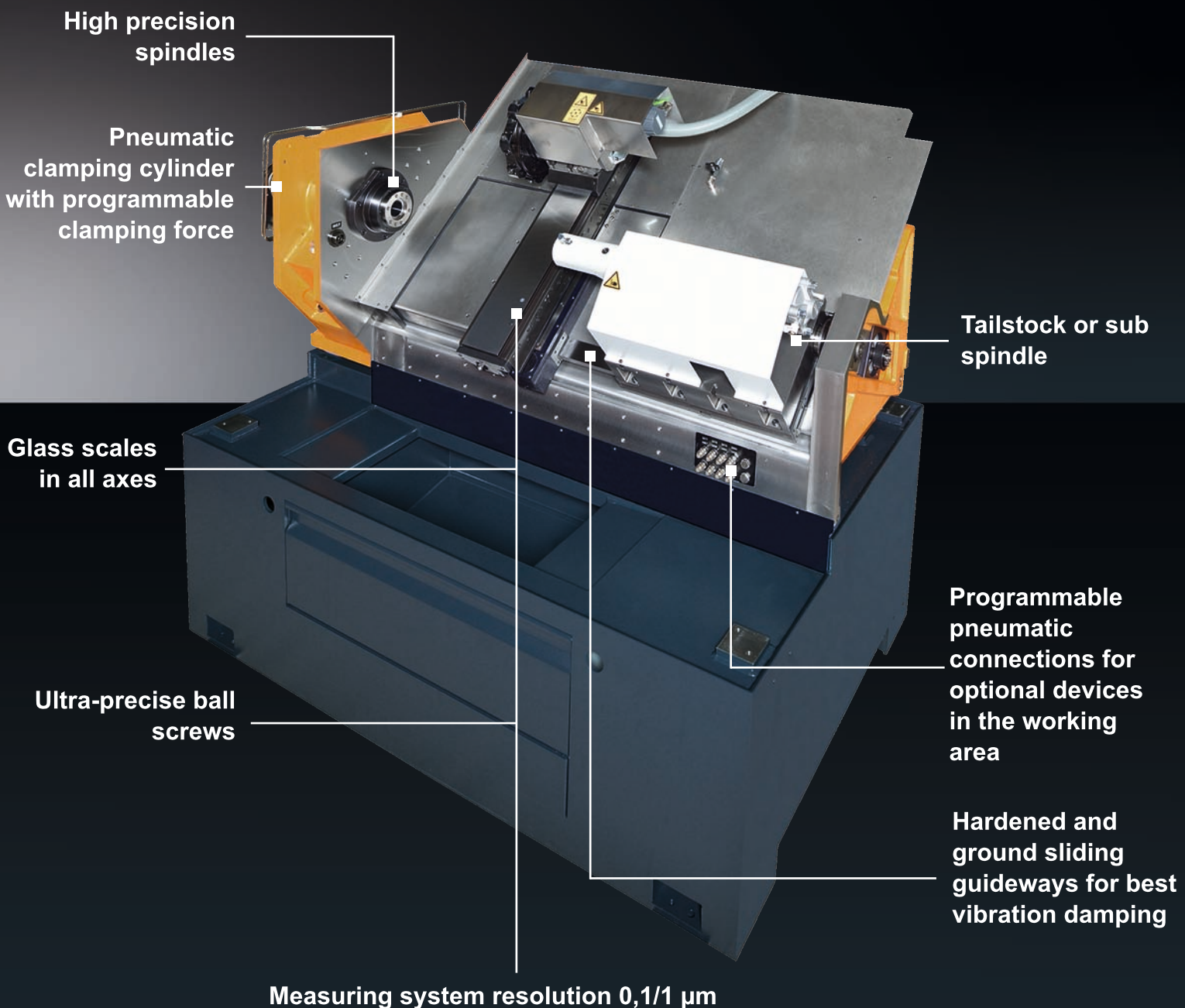
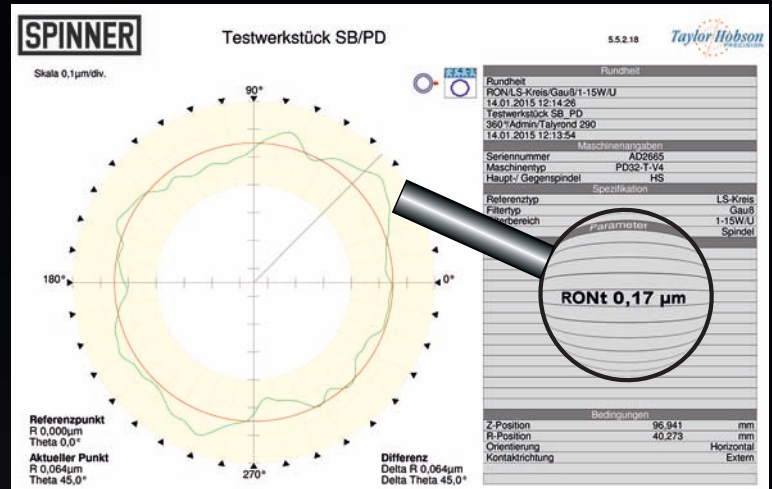
Positioning  
repeatability of 0,4µm\*

Linear tooling and/or turret

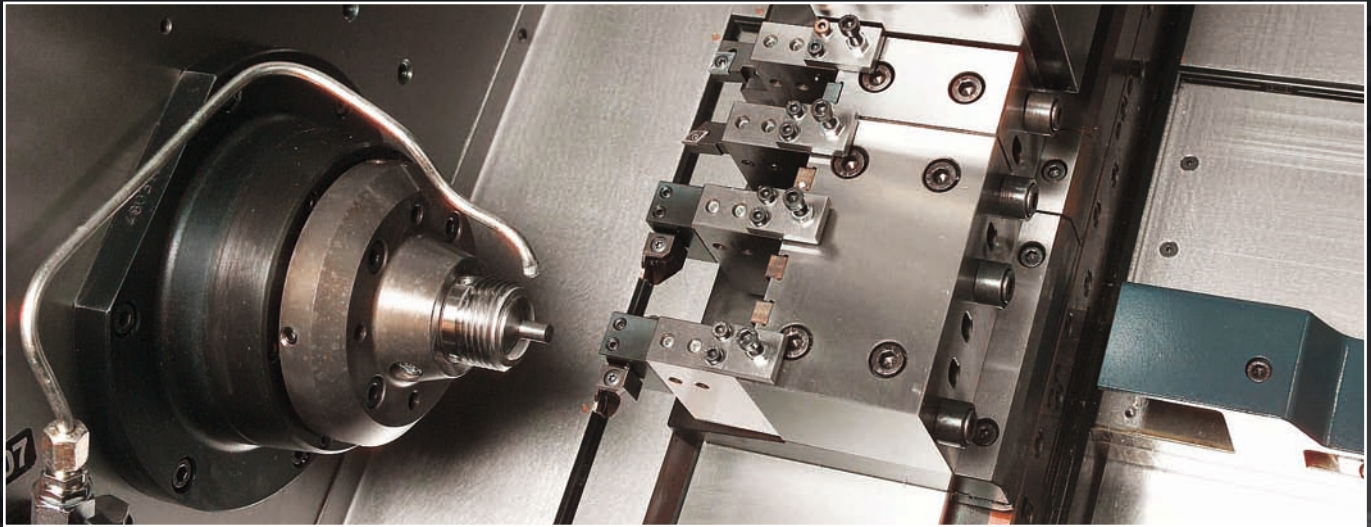
\* The accuracy is highly dependant on external thermal influences. The highest accuracy is attained in the temperature range of 20°C +/- 2°C. Direct sunlight, cool drafts, vibrations by external units and heat build-up must be avoided



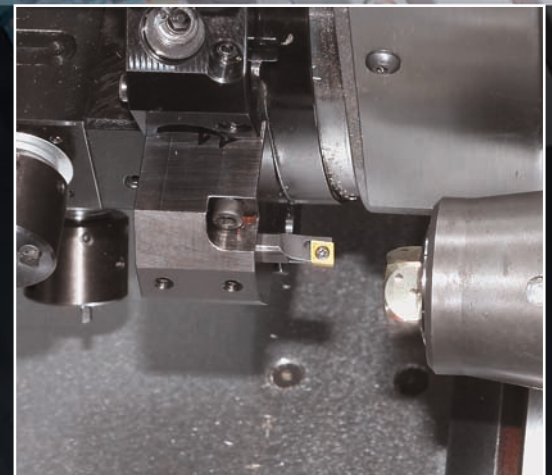
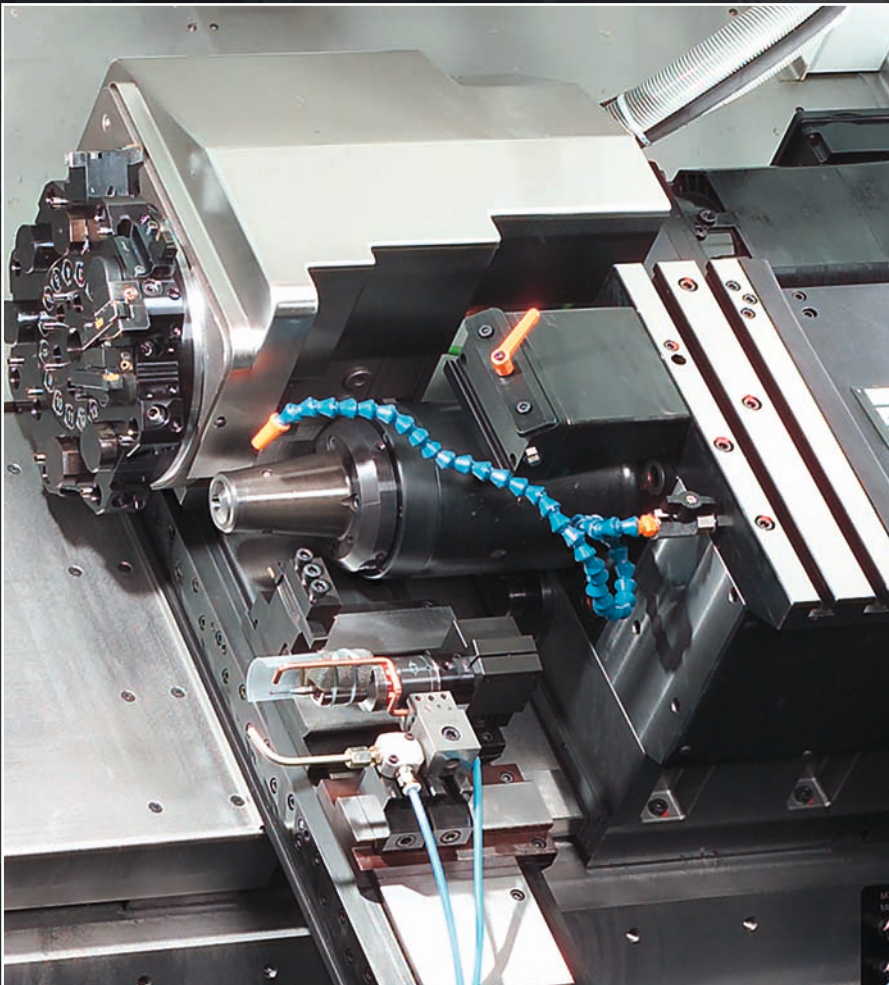
Fine and diamond turning  
 Hardturning > 60 HRC  
 Perfect surface quality  
 Optimal form tolerance  
 Precise clamping devices  
 Made in Germany



# Linear tooling



# Turret



Turret also combinable with linear tooling



SPINNER Ultra-Precise Lathes are always used not only when dimensional accuracy is highly demanded in the micron range but also best surface quality, form and positional tolerance in the event of small and medium sized precision parts from the fine mechanics, optics, medical technology, watch and jewelry sector, hardturning >60HRC or from the automotive sector with high-volume production.



# 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  
1200mm

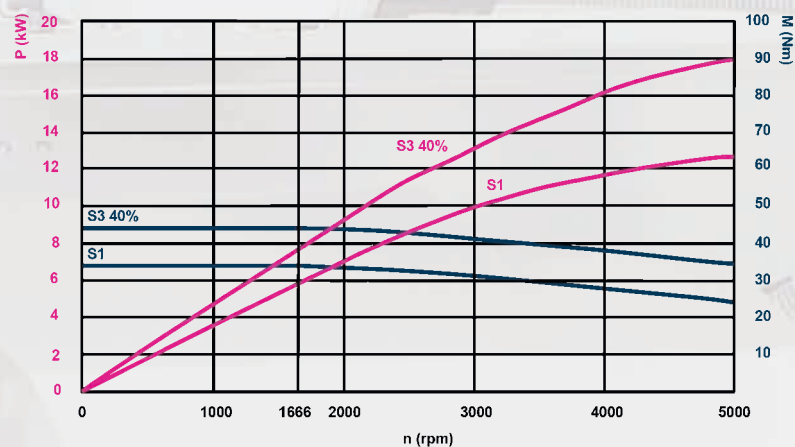
Working area	PD32 <sup>1)</sup>	PD42 <sup>1)</sup>	PD32-T/S <sup>2)</sup>	PD42-T/S <sup>2)</sup>
Swing diameter	300 mm			
Normal turning deameter	~120 mm			
X-axis	400 mm			
Z-axis	400 mm			
Axes				
Rapide traverse / Ultra-precise feed	12 m/min			
Main spindle				
Max. spindle speed	8.000 rpm	5.000 rpm	8.000 rpm	5.000 rpm
Performance	7,7 kW (S3 40%)	7,7 kW (S3 40%)	7,7 kW (S3 40%)	7,7 kW (S3 40%)
Torque	28 Nm (S3 40%)	43 Nm (S3 40%)	28 Nm (S3 40%)	43 Nm (S3 40%)
Spindle nose	Ø 100 / 110 mm			
Spindle bore	Ø 32 / 42 mm			
Max. axial force of the clamping cylinder	500 dN / 600 dN			
Sub spindle (S)				
Max. spindle speed	-		8.000 rpm	
Performance	-		5,4 kW (S3 40%)	
Torque	-		17,5 Nm (S3 40%)	
Spindle nose	Ø 100 mm			
Spindle bore	Ø 32 mm			
Max. axial force of the clamping cylinder	500 dN			
Tailstock (T)				
Diameter of quill	-		40 mm	
Stroke of quill	-		128 mm	
Stroke of tailstock	-		~200 mm	
Max. pressing force	-		2.000 N (6 bar)	
Turret				
Number of tool stations	8 or 16		8 or 16	
Number of driven tools (option)	8 in the event of 16-position turret		8 in the event of 16-position turret	
Toolholder	8 x VDI20 / 16 x VDI16		8 x VDI20 / 16 x VDI16	
Max. speed of driven tools	6.000 rpm		6.000 rpm	
Performance P <sub>max</sub>	11 kW		11 kW	
Torque M <sub>max</sub>	23 Nm		23 Nm	
General indications				
Dimensions (L x W x H) <sup>3)</sup>	2645/2735 <sup>4)</sup> x 1730 x 1715 mm		2645/2735 <sup>4)</sup> x 1730 x 1715 mm	
Weight <sup>5)</sup>	~2.100 kg		~2.300-2500 kg	

1) Only linear tooling; 2) Linear tooling and tailstock (T) or sub spindle (S); 3) See floorplan;

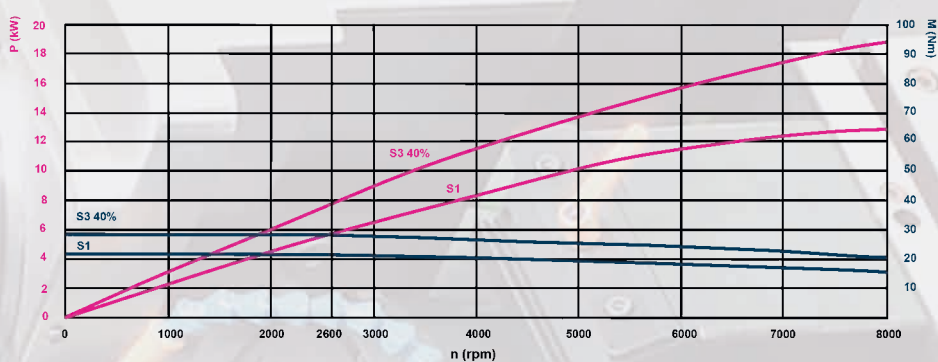
4) Siemens/Fanuc; 5) Machine net weight



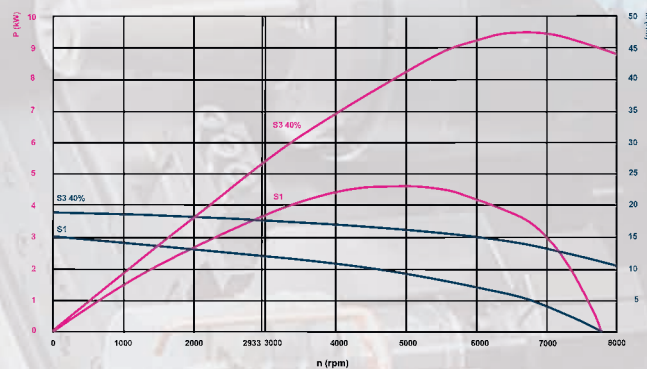
## Main Spindle 5.000 rpm



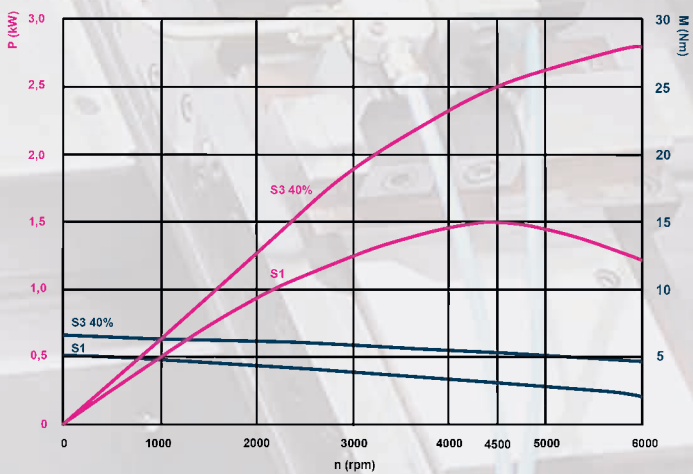
## Main Spindle 8.000 rpm



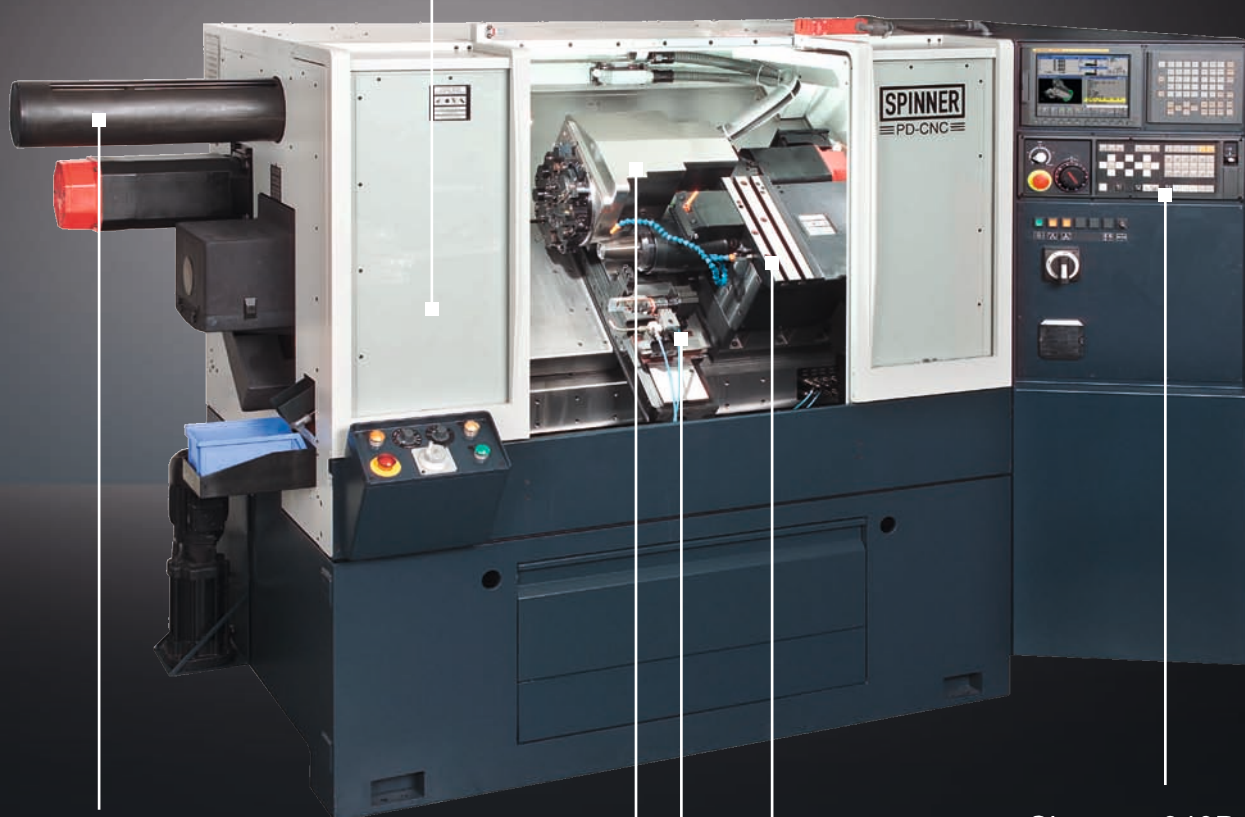
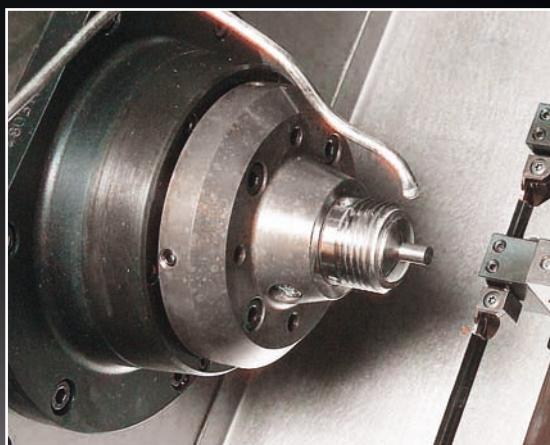
## Sub Spindle 8.000 rpm



## Driven Tool 6.000 rpm



Finely adjustable pull-type and push-type clamping devices



Part catcher

Siemens 840D-SL  
Fanuc 32iB

Tailstock or sub spindle

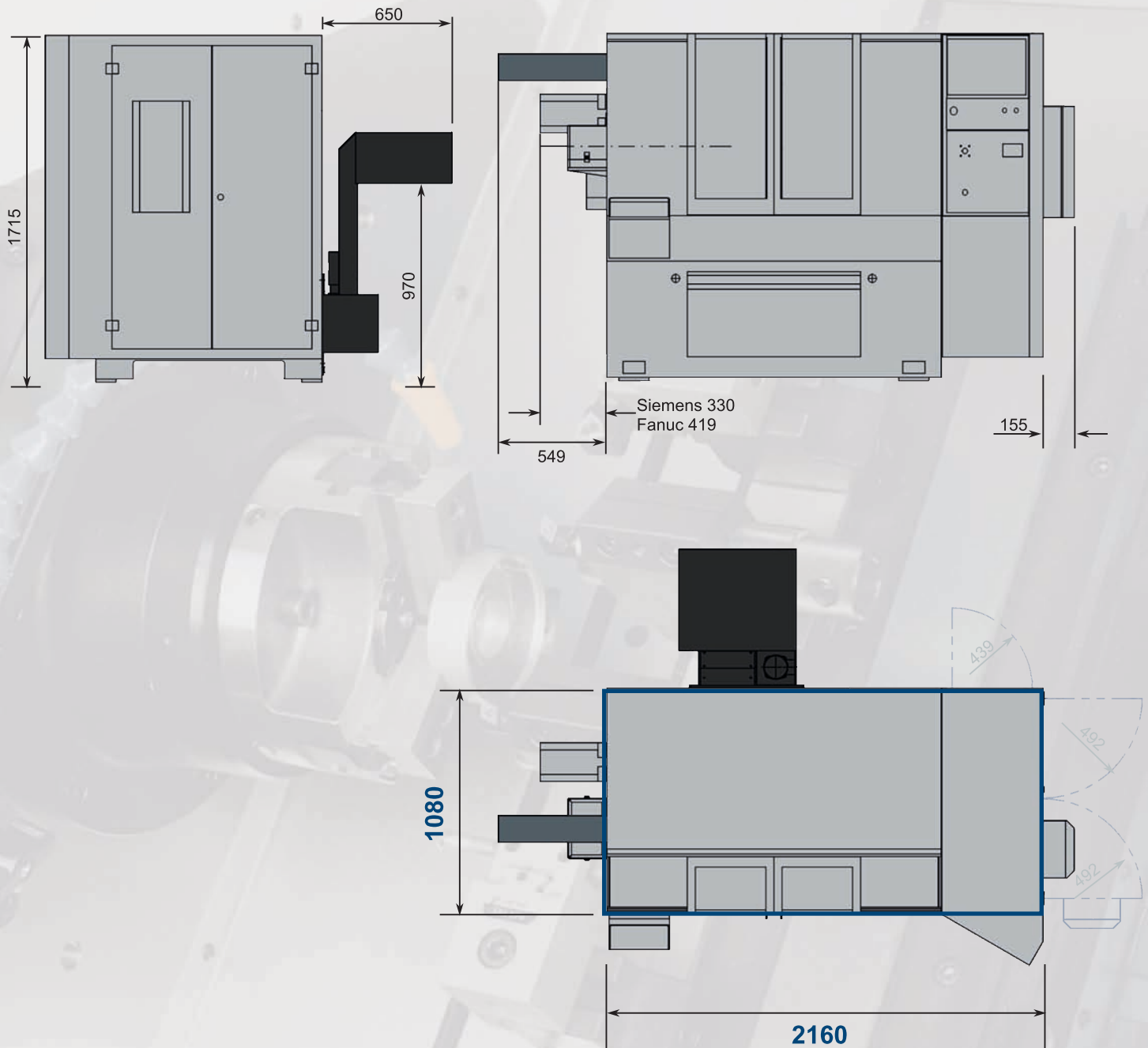
Linear tooling systems

Turret with or without driven tools



Other options on demand





**Compact dimensions for low space requirement**

- Option chip conveyor
- Option part catcher



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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Version 22.4.2015

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