



Product overview

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For more than 100 years, the INDEX Group, with its INDEX and TRAUB brands, has been among the world's leading and major manufacturers of CNC lathes, turning centers, multi-spindle machines, and turn-mill centers.

With five production facilities in Germany, Slovakia and China, as well as its own sales and service companies in France, Sweden, Russia, China and the United States, the company is positioned at the top of the machine tool industry, offering innovative solutions for turned part production. Through close trading partners, INDEX is directly and fully present on more than 70 markets in Europe, Asia, and the Americas.

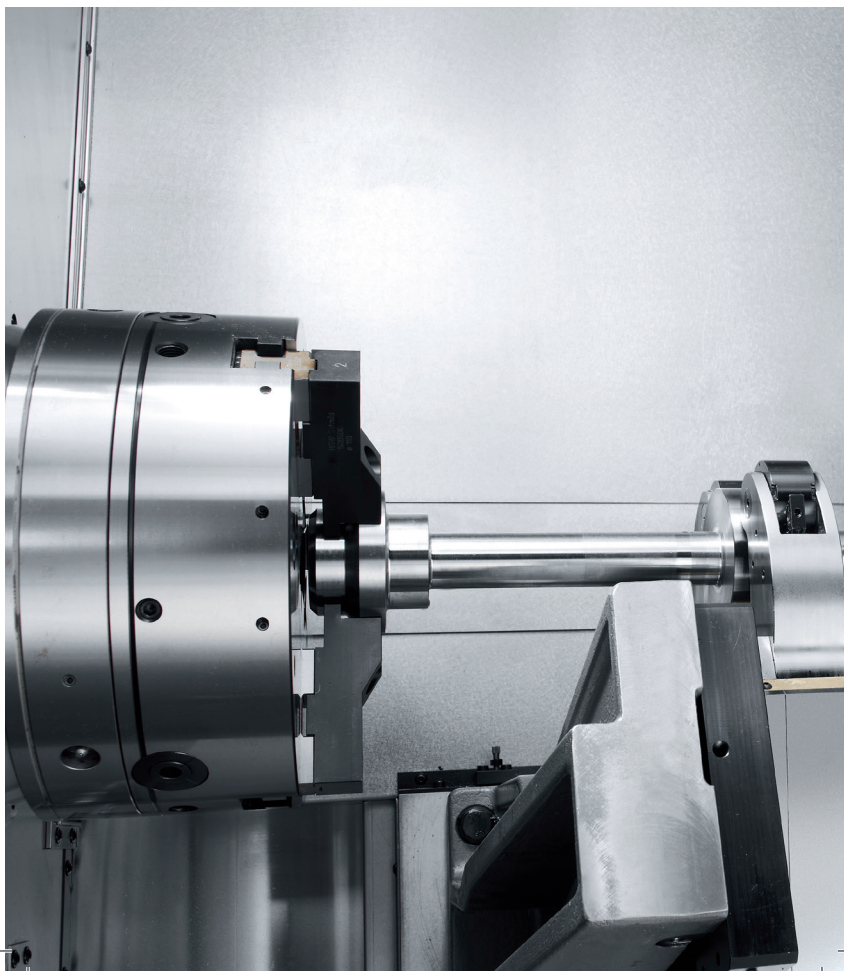
Quality, reliability and technical prominence are reflected in our product range and comprehensive services offered. On the following pages, we give a short overview of our current product program with the most important data.

www.index-traub.com

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TRAUB Universal Lathes

TRAUB TNA series universal lathes are highly regarded throughout the world for machining large chuck, shaft or bar parts. These machines set standards in their class by precision, efficiency, short setup times, and easy operation. Starting from a basic type, they can be customized to



the individual machining task – in prototype construction, for small and medium batch production, as well as for use in production lines.



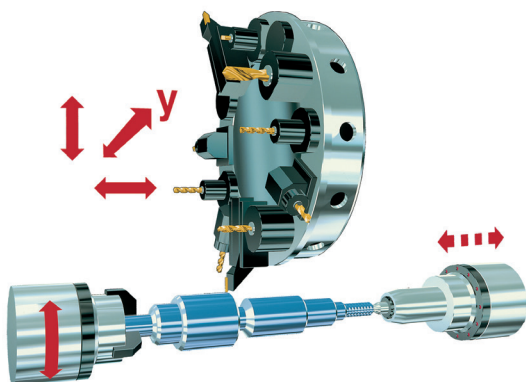
TRAUB Universal Lathes

TNA300, TNA400, TNA500, TNA600

The machine with demand-based adaptation to every production task



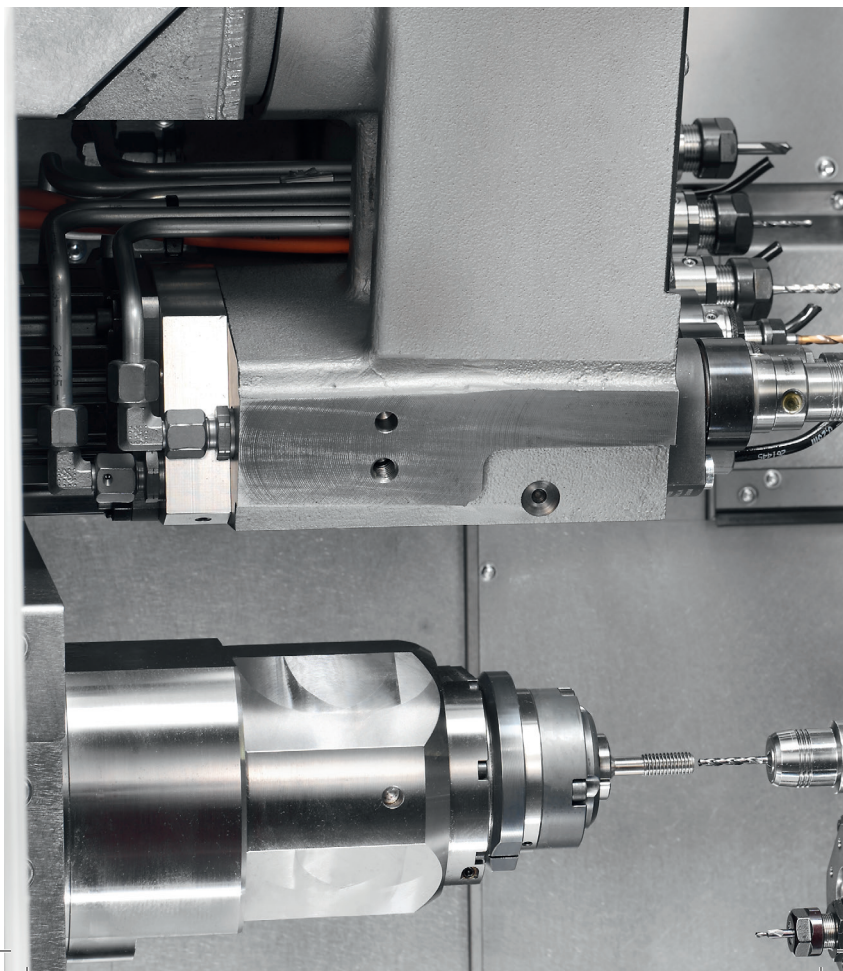
		TNA300
Spindle clearance	mm	65
Spindle head DIN 55026		A6
Chuck	mm	160/225
Turning length max.	mm	450
Power	kW	11
Speed max	rpm	4000
Tool carrier/stations		1/12
Tailstock		●
C-axis		●
Y-axis		●
Drives for live tools		●
CNC control		TX8i-s V7



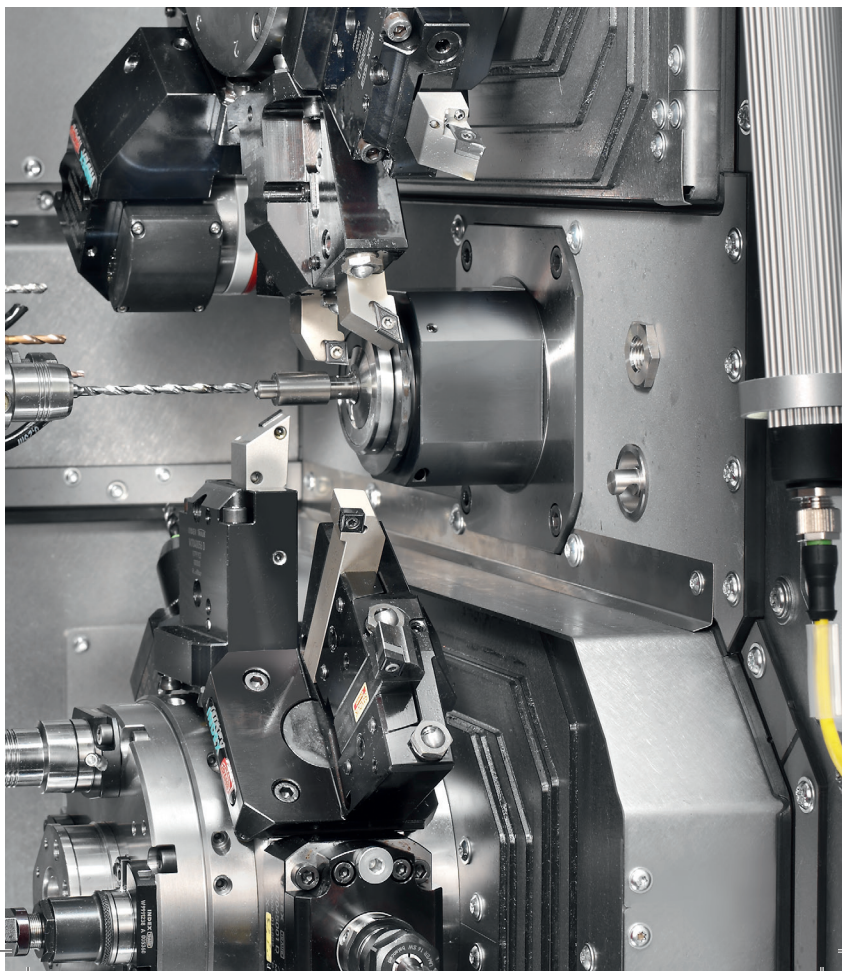
TNA400	TNA500	TNA600
80	80	80
A8	A8	A11
250/340	325	325/400
750	1000	1000
22	31	37
3150	2800	2800
1/12	1/12	1/12
●	○	○
●	○	○
●	—	—
●	○	○
TX8i-s V7	TX8i-s V7	TX8i-s V7

TRAUB Sliding Headstock Automatic Lathes

TRAUB sliding headstock lathes are designed for precise and productive machining of workpieces up to 32 mm in diameter. Variety, miniaturization and precision of workpieces define the requirements for a modern sliding



headstock automatic lathe. The TNL series machines are characterized by top performance in combination with ease of setup and programming.



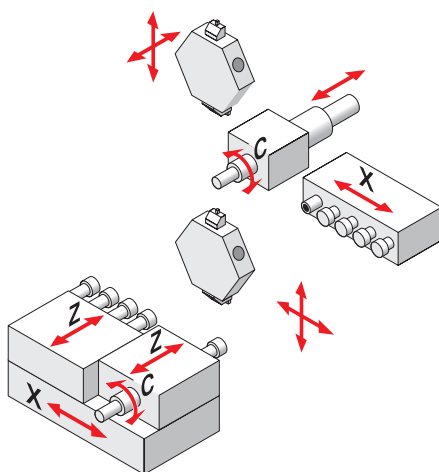
TRAUB sliding headstock automatic lathe

TNL12

An ideal sliding headstock lathe for your manufacturing tasks



Spindle clearance at main/counter spindle	mm
Guide bushing	
Z-travel max.	mm
Programmable guide bushing	
Power	kW
Speed max	rpm
Tool carrier/stations	
C-axis	
Drives for live tools	
Front working attachment / back working attachment	
Y-axis R1	
R2 with Z-axis (50 mm)	
CNC control	



TNL12

13 (16)

●

130

○

3.15

12000

4/20

○

○

○/○

●

○

TX8i-s V7

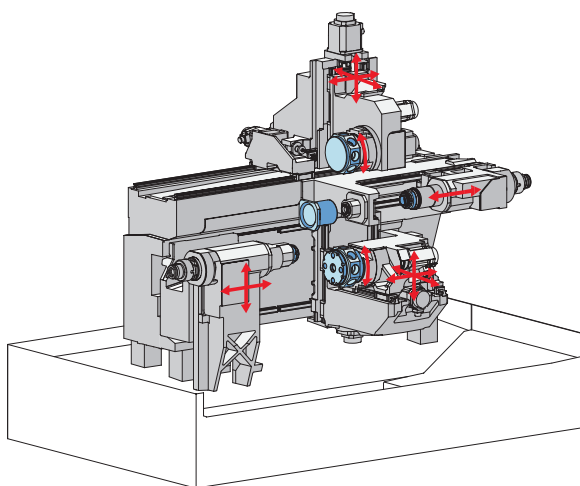
TRAUB sliding headstock automatic lathe

TNL20-9

Simultaneous and precise production with up to 3 tools



Spindle clearance at main/counter spindle	mm
Guide bushing / guide sleeve	
Z-travel max.	mm
Power	kW
Speed main/counter spindle	rpm
Counter spindle X-, Z-axis	
Tool carrier/stations	
C-axis	
Drives for live tools	
Back working attachment	
Y-axis top/bottom	
Tool carrier with Z-axis top/bottom	
CNC control	



TNL20-9

20

●/●

205/80

5.5

10000

●

2 (3)/40

●

●

●

●/●

●/●

TX8i-s V8

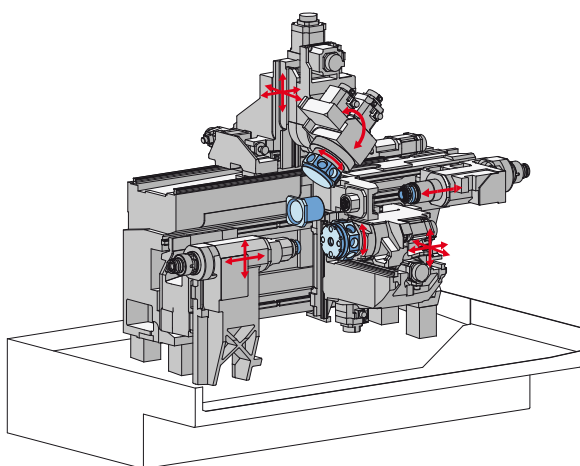
TRAUB sliding headstock automatic lathe

TNL20-9B

With additional B-axis on the upper turret



Spindle clearance at main/counter spindle	mm
Guide bushing / guide sleeve	
Z-travel max.	mm
Power	kW
Speed main/counter spindle	rpm
Counter spindle X-, Z-axis	
Tool carrier/stations	
C-axis	
Drives for live tools	
B-axis	
Back working attachment	
Y-axis top/bottom	
Tool carrier with Z-axis top/bottom	
CNC control	



TNL20-9B

20

●/●

205/80

5.5

10000

●

2 (3)/40

●

●

●

●

●/●

●/●

TX8i-s V8

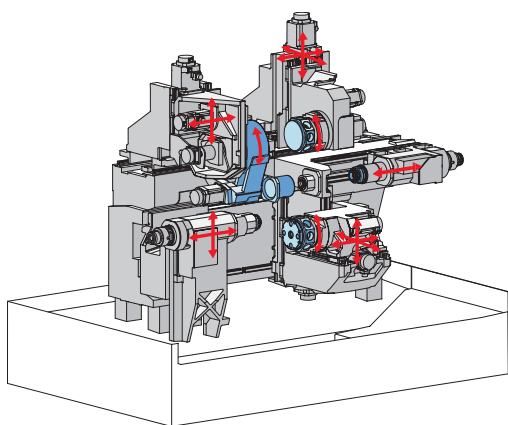
TRAUB sliding headstock automatic lathe

TNL20-11

Including additional front working attachment – optionally with integrated robot cell. Precise and even more efficient production with up to four tools simultaneously



Spindle clearance at main/counter spindle	mm
Guide bushing / guide sleeve	
Z-travel max.	mm
Power	kW
Speed main/counter spindle	rpm
Counter spindle X-, Z-axis	
Tool carrier/stations	
C-axis	
Drives for live tools	
Front working attachment / back working attachment	
Y-axis top/bottom	
Tool carrier with Z-axis top/bottom	
CNC control	



TNL20-11

20

●/●

205/80

5.5

10000

●

3 (4)/24

●

●

●/●

●/●

●/●

TX8i-s V8

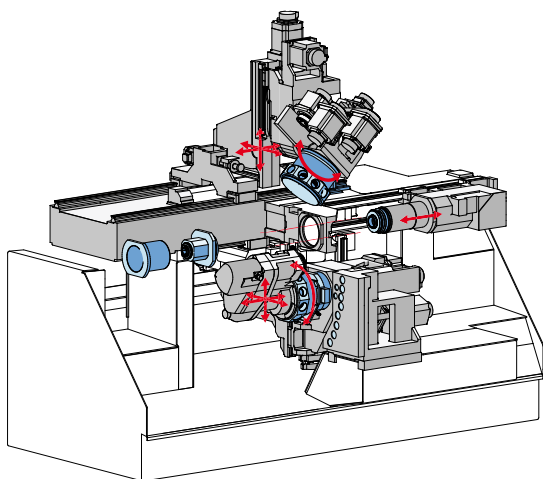
TRAUB sliding headstock automatic lathe

TNL32-7B

An expansion stage which expands the range of applications by the most demanding machining tasks.



Spindle clearance at main/counter spindle	mm
Guide bushing / guide sleeve	
Z-travel max.	mm
Speed main/counter spindle	rpm
Power	kW
Tool carrier/stations	
C-axis	
Drives for live tools	
B-axis	
Back working attachment	
Y-axis top/bottom	
Tool carrier with Z-axis top/bottom	
CNC control	



TNL32-7B

32

●/●

305/127

8000

10.7

2 (3)/46

●

●

●

●

●/●

●/●

TX8i-s V7

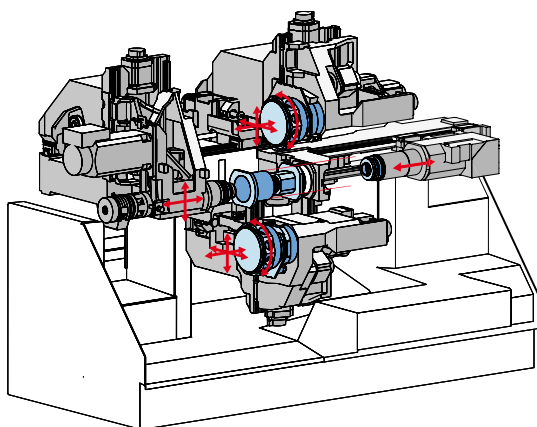
TRAUB sliding headstock automatic lathe

TNL32-9

With an autonomous counter spindle and 9 NC axes



Spindle clearance at main/counter spindle	mm
Guide bushing / guide sleeve	
Z-travel max.	mm
Speed main/counter spindle	rpm
Power	kW
Counter spindle X-, Z-axis	
Tool carrier/stations	
C-axis	
Drives for live tools	
Y-axis top/bottom	
Tool carrier with Z-axis top/bottom	
CNC control	



TNL32-9

32

●/●

305/127

8000/6400

10.7

●

2/40

●

●

●/●

●/●

TX8i-s V7

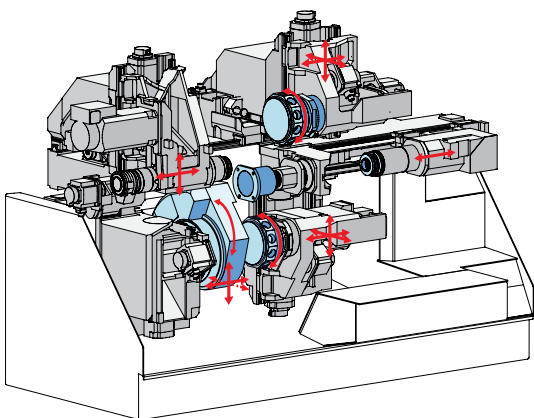
TRAUB sliding headstock automatic lathe

TNL32-11

Simultaneous machining with three independent subsystems



Spindle clearance at main/counter spindle	mm
Guide bushing / guide sleeve	
Z-travel max.	mm
Speed main/counter spindle	rpm
Power	kW
Counter spindle X-, Z-axis	
Tool carrier/stations	
C-axis	
Drives for live tools	
Front working attachment	
Y-axis top/bottom	
Tool carrier with Z-axis top/bottom	
CNC control	



TNL32-11

32

●/●

305/127

8000/6400

10.7

●

3/49

●

●

●

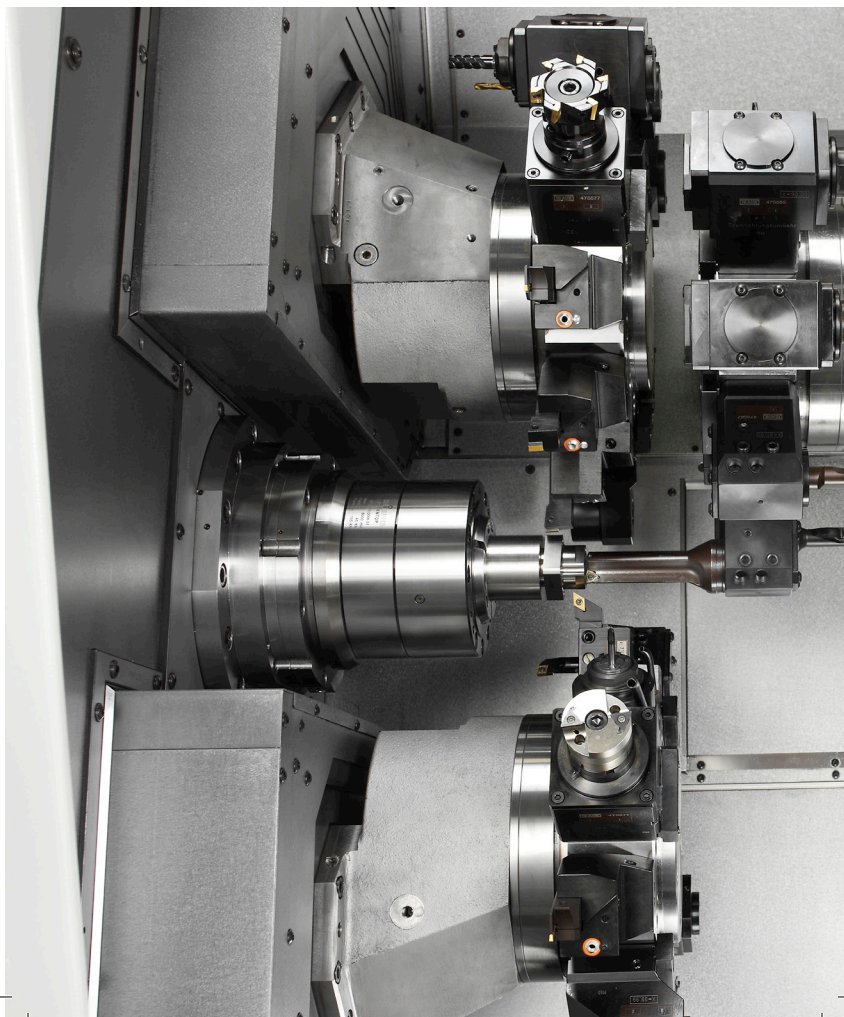
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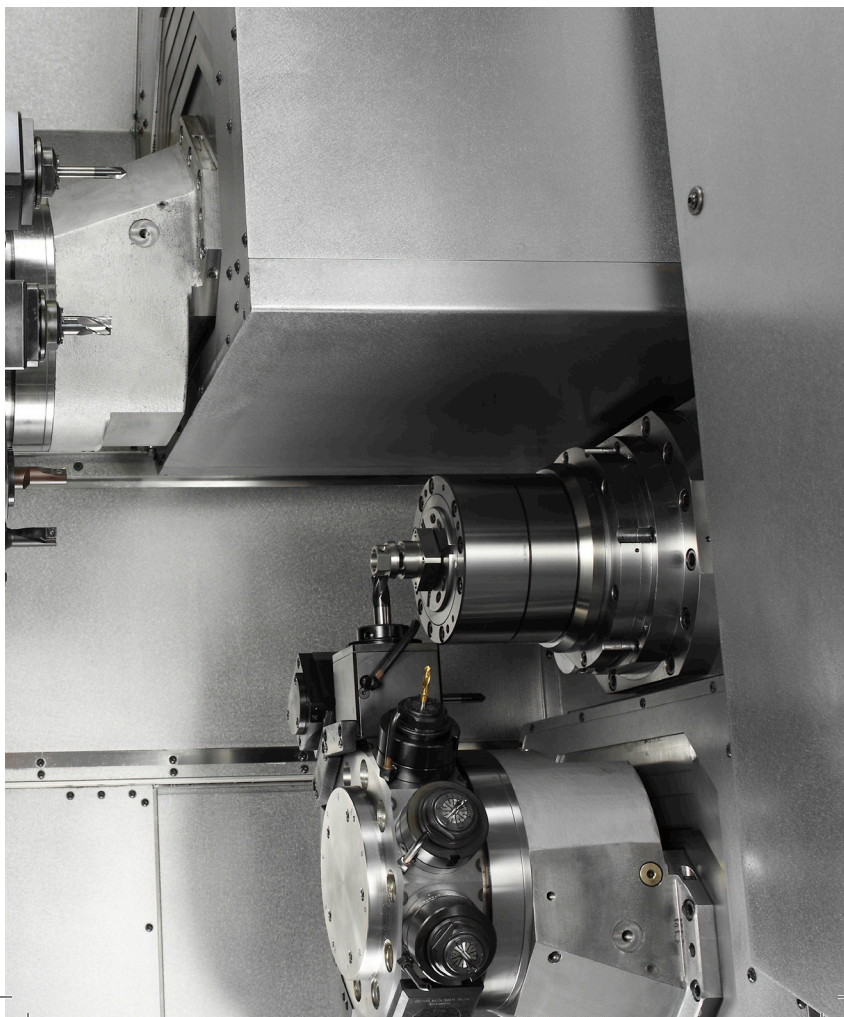
TX8i-s V7

TRAUB Turn-Mill Centers

TRAUB turn-mill centers are designed for economic complete machining. Turning and milling, as well as the use of other methods such as polygon turning, profile and surface milling or broaching show the diversity of this series. The machine configuration is solely determined by



the customer benefit. The modular design allows you to invest only in the required assemblies, and machines are optimally tailored to your production.



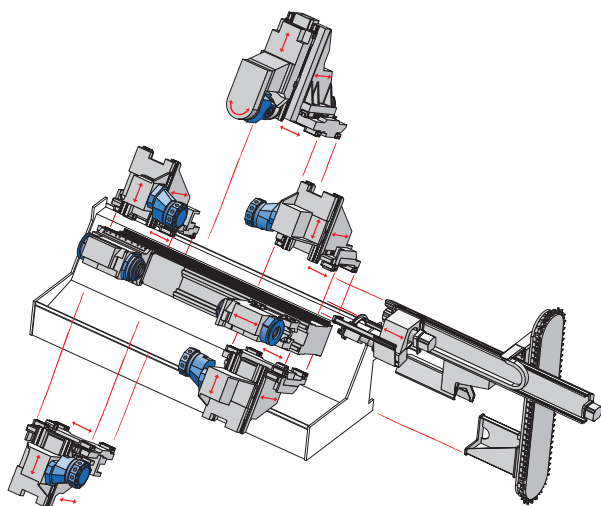
TRAUB Turn-Mill Center

TNX65

Simultaneous, independent machining with up to 4 tool carriers



Spindle clearance at main/counter spindle	mm
Chuck	mm
Speed main/counter spindle	rpm
Power	kW
Turning length max.	mm
Tool carrier/stations	
Tool carrier version	
Drives for live tools	
C-axis, B-axis	
Y-axis	
CNC control	



TNX65

65

175

5000

24

650

4/40

Turret, milling unit



TX8i-s V7

Focusing on Production and Control

iXpanel - i4.0 ready

Not only by the complete integration into network structures, the newly developed iXpanel® operating system offers extensive additional of user support. The basis for iXpanel® is the latest Siemens S840D control generation. Another fundamental component is the 19" wide-screen touch-monitor that is suitable even for demanding 3D simulations. A new feature is the "i4.0 ready" button – touch it to switch to an activity-oriented visualization. It contains the preselectable areas of Production, Setup, Programming, Maintenance, General, and Diagnostics, which are associated with numerous Industry 4.0 functions.



Optional:

iXpanel unfolds its full strength® with an optionally available and industrial PC (VPC-box) installed in the control cabinet. This can be connected with the control panel via an Ethernet interface, and it uses the second page of the control screen. With the help of the VPC-box, VirtualLine software solutions, Virtual Machine and VirtualPro are optimal additions that can be run directly on the machine panel. Direct access to the VPC-box allows the user to use also custom applications.

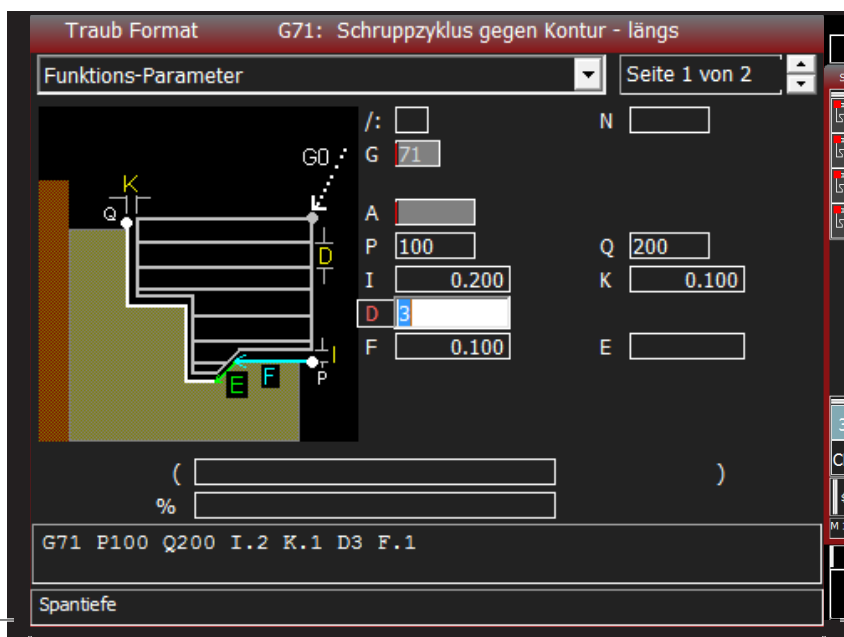


TRAUB Software & Control

TX8i-s V8

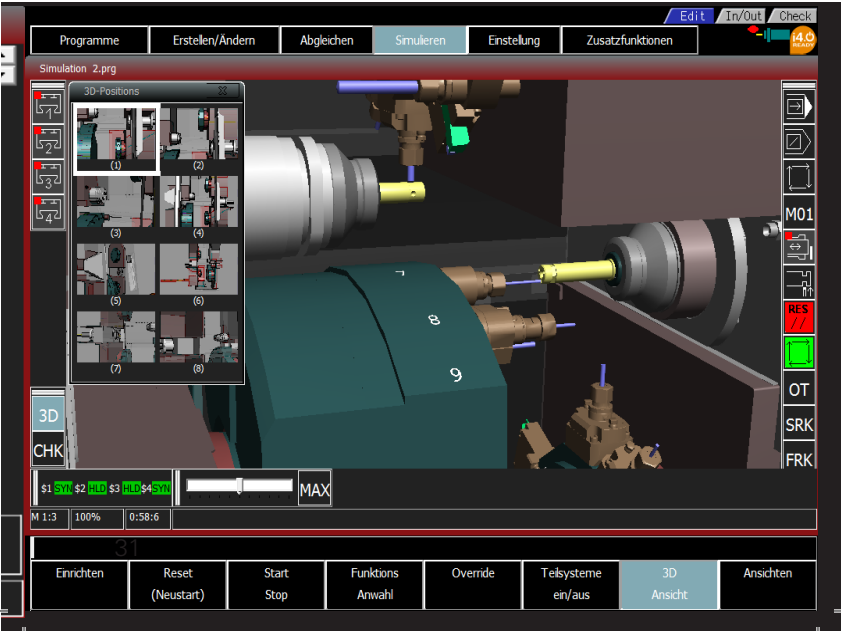
The performance of a modern machine tool depends not only on a well-designed machine construction but also to a large degree on the CNC control. TRAUB already realized this early on, which is why they have been developing their own control concepts that are setting new standards.

Easy and quick creation as well as optimization of programs using integrated programming techniques on an external PC workstation or directly at the machine using the same functions.



WinFlexIPSPlus

In addition to powerful programming, optimization and simulation functions, WinFlexIPSPlus offers the “Setup and Automatic Mode” in the 3D model, just as if you were standing in front of the machine. This gives the user, in addition to the previous advantages of WinFlexIPS, also the real 3D model and all the operating elements, including their functions, of the real machine – and all of that on the PC!



INDEX & TRAUB Training

Customer training center in Reichenbach

Benefit from our professional, practical and qualified training programs? Then you have come to the right place!

Our training team offers professional courses (basic and advanced) that you can take advantage of to train your staff. Your lathes will be even more productive if they are operated by well-trained personnel. We provide students with comprehensive know-how in conjunction with your lathes at our modern training center in Reichenbach.



Your benefits

- Efficient basic and advanced training of your staff, including directly on the production machine
- Timely training upon delivery of the new machine
- Detailed information on the latest state-of-the-art of CNC lathe technology
- Trained staff is more productive, resulting in cost reduction
- Improved product quality due to solid knowledge of adjustable parameters
- Quick clarification of any emerging questions
- Storage of sample programs on a USB stick



Note

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