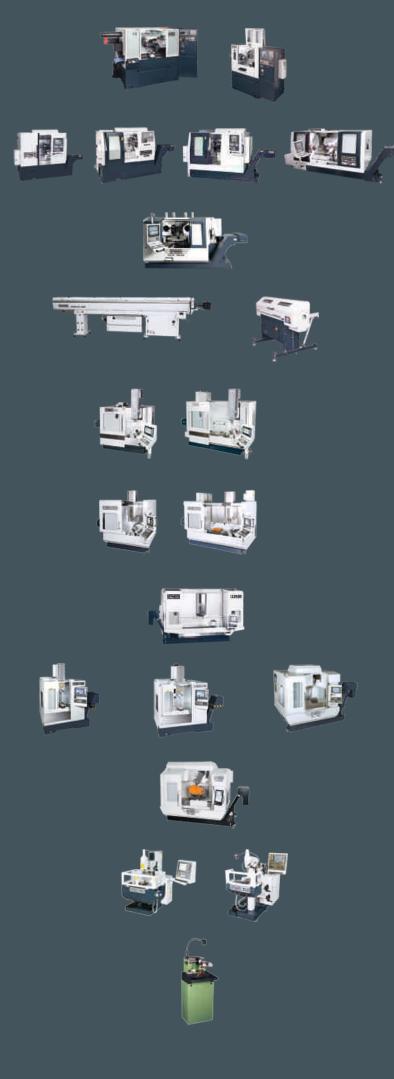


The complete machine range for turning, milling and grinding





4 SB/PD series:

Ultra-Precision Lathe for micro-finishing and hard-turning

6 TC series:

Powerful Universal Lathe for high cutting performance

8 TTS series:

High Productive Turning Center for simultaneous machining with up to three turrets

10 Bar feeders:

Specially for SPINNER CNC-Lathes designed barloading system

12 U-Compact-Line series:

Travelling-Column Machining Center with 3, 4 or 5-axesmachining, the entrylevel to the superior milling class

14 U-Advanced series:

Travelling-Column Machining Center with up to 5 axes, for high-end applications in the 5-axes simultaneous machining and the series production

U-Production-Line series:

Machining Center in long-bed design with linear motor and 5-axes, for the demanding mass producer

18 VC series:

High-Speed Machining Center for demanding tasks in the workshop and in tool and mould making

18 VC-5A series:

5-Axes Precision Machining Center for large workpieces

20 CM-Line series:

Universal toolroom milling machines with an open working-area, for professional training and single-item production

21 SM100:

THE Universal Toolgrinder for each workshop

Automation:

Integrated standard solutions with robot or individual solution, ALL FROM ONE SOURCE

We have been perfecting and improving our machine tools for more than 50 years. Today, more than 550 employees in the SPINNER GROUP complete more than 1,000 machine tools each year. SPINNER machines are successfully being used in more than 60 countries of the world.

In order to satisfy your requirements, we offer a wide range of Turning Machine and Machining Centre products. Tens of thousands of customers throughout the world trust in our CNC machine tools.

Our machine tools are always used where a particular demand in precision and reliability is required. Innovation and practical solutions in detail are guaranteed by our extensive construction department. We manufacture all important components and assemblies ourselves in our production plants in order to be able to supply you with machine beds, guideways, spindles and turrets that are perfectly matched to one-another.

Our machine tools are sophisticated seriesbuilt products manufactured at a high level. High precision standards in all areas of the production and assembly ensure for the optimum constant quality of our products. Each machine is subjected to a strict final inspection of all parameters.

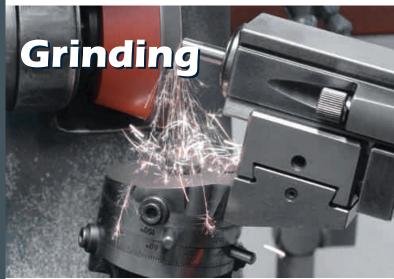
We supply turnkey projects with automation for large-scale production. In order to ensure that the use of our machine tools is successful, we offer training courses for the operation, programming and maintenance of our systems.

Our service hotline deals with technical queries concerning the programming and repair of your SPINNER machine tools at any time and at short notice.

Place your trust in our products as well and let us know what we can do for you.













Ultra Precision Lathes





- Most compact dimensions among precision turning machines
- Hardened and ground precision sliding guideways with high vibration damping
- 0,1 µm resolution linear scales
- Micro-turning in sub µm-range
- The most precise spindles on the market with roundness < 0,1µm
- Best slide positioning repeatability
- High accuracy process reliability



Turret and sub spindle



Turret and tailstock



Linear tooling



For Micro-finishing and Hard-turning

Wide range of standardized auto-loading available by robots or special made solutions according to customers workpieces, or bar feeder











Part catcher

Model sizes

| | Collets/Chucks | Max. workpiece sizes |
|------|----------------|----------------------|
| SB32 | 32/125 mm | Ø ∼100 x 150 mm |
| SB42 | 42/140 mm | Ø ∼100 x 150 mm |
| PD32 | 32/125 mm | Ø ∼120 x 250 mm |
| PD42 | 42/140 mm | Ø ~120 x 250 mm |



Powerful Universal Lathes





- Hardened and ground sliding guideways for best vibration damping
- Solid sliding guideways with high damping
- Monoblock rigid casting design of machine body
- Tailstock or sub spindle
- Optional Y axis and driven tools
- Modern motor spindles (up to 85 mm)
- Gearboxes for high torques (from 110 mm)
- Latest control system Siemens 840D or Fanuc 32i





Turret VDI50 of TC800-MC



Y axis fully integrated in the machine bed



Turning length from 400 up to 1500 mm









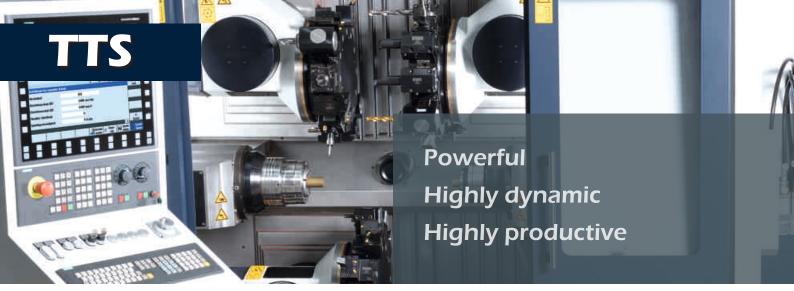






Model sizes

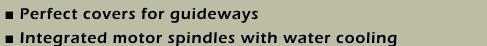
| | Bar material up to | Chucks | Max. Turning length |
|-------|--------------------|--------------------|---------------------|
| TC300 | 52/65 mm | 160/210 mm | 350 mm |
| TC400 | 52 mm | 160/210 mm | 500 mm |
| TC600 | 65/85 mm | 250 mm | 650 mm |
| TC800 | 85/110/175 mm | 250/315/400/500 mm | 900-1500 mm |



Simultaneous machining from bar material or with automation



- THE productive turning solution for bar machining or with automation
- Reduction of cycle time by simultaneous operations with up to 3 turrets
- TRIPLEX-Version (3 turrets) with 2 Y axes
- Each turret can work either on the main spindle or on the sub spindle
- Increased cutting performance by integrated passive vibration damping



Rigid turret made by SPINNER with high-precision toolholders BMT45 or with toolholders VDI25



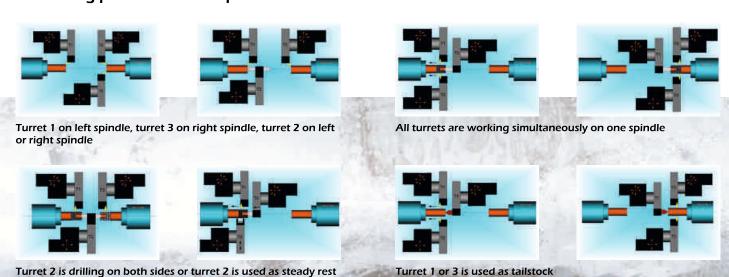


For complex turning AND milling parts



- Perfect working area guarding
- Perfect free chip fall

As all turrets can work either on the main spindle or on the sub spindle there are lots of machining possibilities for optimised turret utilisation.





Short bar feeders



■ For material up to 1200 / 1500 mm

■ Max. bar diameter 80 / 110 mm



| | Servo 80-1200 | Servo 80-1500 | Servo 110-1500 |
|-----------------|---------------|---------------|----------------|
| Max. bar length | 1200 mm | 1500 mm | 1500 mm |
| Bar diameter | 6-80 mm | 6-80 mm | 8-110 mm |

Bar feeder

SPINNER BARLOAD 42

Simple programming
Smooth running

Machine + feeder from one source



3mtr Bar Feed Magazine





- Up to 3200 mm bar length
- Oil filled
- Automatic bar change



| | Servo 32 | Servo 42 Servo 51 | | |
|-----------------|----------|-------------------|---------|--|
| Max. bar length | 3200 mm | | | |
| Bar diameter | 4-32 mm | 4-42 mm | 8-51 mm | |



Universal Machining Center

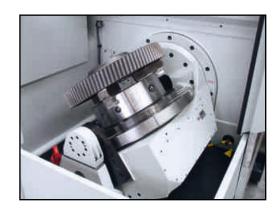


U620 Available in 3 configurations

U3-620: 3-axes-version with fixed table

U4-620: 4-axes-version with large rotary table

U5-620: 5-axes-version with integrated rotary/tilting table



■ Both side bearing for tilting-axis

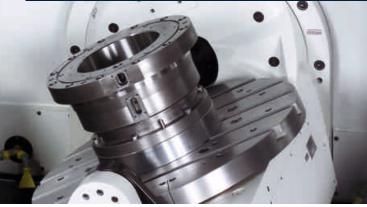
- Large X stroke with 620 mm or 1520 mm
- U3 with fixed table and stationary workpiece in the travelling-column machine
- U4 with large rotary table and with swivel table for 3-face machining
- U5 THE entry-level machine for 5-axes machining with up to 4 simultaneously interpolating axes







Dynamic
Optimal access
Flexible use



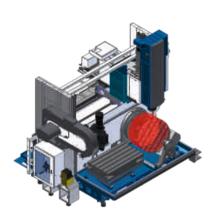
The entry-level machine for 5-axes machining

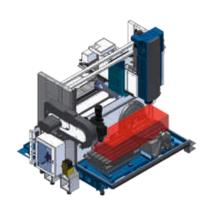
U1520 Available in 3 configurations

U3-1520: 3-axes-version with large fixed table

U4-1520: 4-axes-version with large rotary table and fixed table on left side in the working area

U5-1520: 5-axes-version with integrated rotary/tilting table and fixed table on left side in the working area







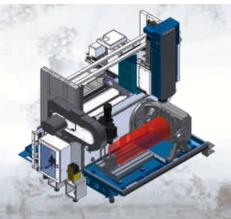












Strokes

| | X axis | Y axis | Z axis | B axis |
|-------|---------|--------|--------|--------------|
| U620 | 620 mm | 520 mm | 460 mm | +110°/-90° ¹ |
| U1520 | 1520 mm | 520 mm | 460 mm | +110°/-90° |

U-Advanced



Professional 5-axes machining
Highly dynamic
Compact and sealed

Travelling-Column Machining Center

U1530 Available in 3 configurations

U3-1530: 3-axes-version with large fixed table

U4-1530: 4-axes-version with large rotary table and fixed table on left side in the working area

U5-1530: 5-axes-version with integrated rotary/tilting table and fixed table on left side in the working area





- With high-precision rotary/tilting tables available with weight compensation
- Extendable up to 122 tools
- Available with pallet changer
- Most modern control systems: Siemens 840D-SL or Heidenhain TNC620/TNC640
- With most modern digital drives
- Spindle speeds up to 20.000 rpm













For High-End applications

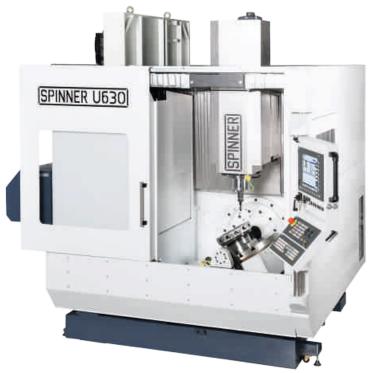
U630 Available in 3 configurations

U3-630: 3-axes-version with fixed table

U4-630: 4-axes-version with large rotary table

U5-630: 5-axes-version with integrated rotary/tilting table

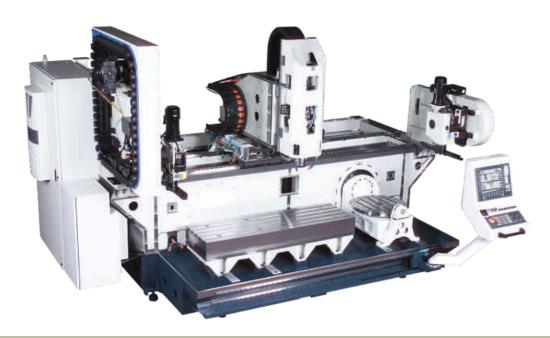




| | | | | A COLUMN | |
|---|----------------|---------|-----------|----------|------------------|
| | <u>Strokes</u> | | | | |
| 6 | | X axis | Y axis | Z axis | B axis |
| | U630 | 630 mm | 530 mm | 465 mm | +110°/-90° ¹ |
| | U1530 | 1530 mm | 530 mm | 465 mm | +110°/-90° |
| | ¹ U4 360° | 1000 | STORES OF | 71 | AND THE STATE OF |



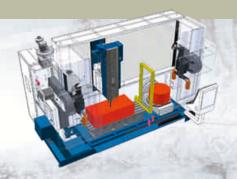
Long-table version



- Universal for long or short workpieces
- Highly productive in pendulum mode by linear motor in the X axis
- Up to 109 tools
- Fully sealed working area with splash guard to the guideway zone
- Two separated magazines for the left and right working area
- Quickly mounted dividing wall for pendulum mode
- High dynamic and rigidity for heavy duty cutting but also HSC-machining
- Moveable operating panel



Machining long workpieces up to 2.500 mm in one long working area



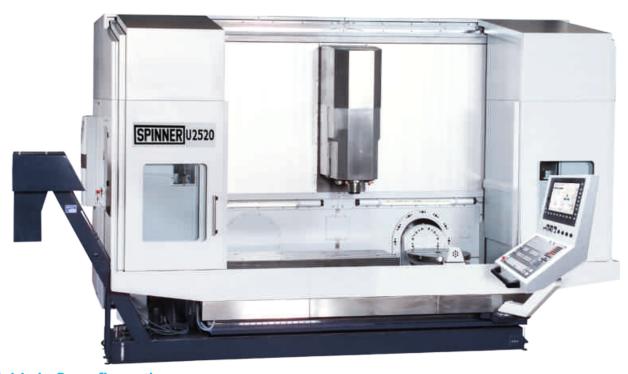
Pendulum mode with a divided working area with fixed table in the left and rotary/tilting table the right working area



Machining the surface of long shafts in a flexible universal machine



Also available with pendulum mode



Available in 3 configurations

U3-2520: 3-axes version with large fixed table

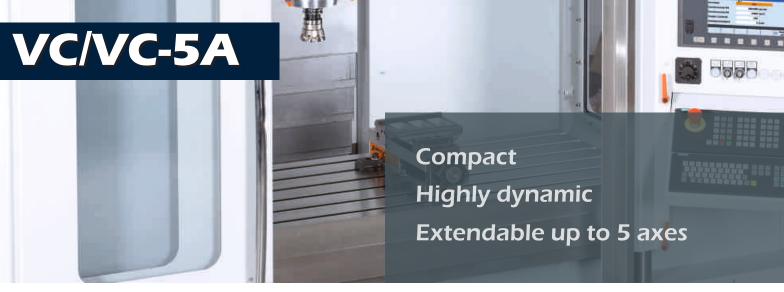
U5-2520: 5-axes-version with integrated rotary/tilting table and fixed table on left side in the

working area

U7-2520: 7-axes version with 2 rotary/tilting tables in the working area

■ All versions available with single or divided working area with dividing wall for pendulum mode





High-Performance Machining Center



- Full cast design with fixed column
- Mass optimised slides for high rapid traverse
- Large sized linear guides and high dynamics
- Extendable up to 4 or 5 axes
- Spindle speeds between 5.000 and 24.000 rpm, according to the application







For tool and mould making and HSC machining





5-axes machining of large workpieces

- Innovative guideway cover concept
- Small distance to the working table
- Adjustable control panel
- **FEM optimised cast structure**





Strokes

| | A DO NO SOMEON | 4.000 | |
|------------------|----------------|--------|--------|
| | X axis | Y axis | Z axis |
| VC450 | 450 mm | 400 mm | 400 mm |
| VC750/VC750XL | 760/950 mm | 460 mm | 460 mm |
| VC1150 | 1150 mm | 620 mm | 600 mm |
| VC1650/VC1650-5A | 1650 mm | 820 mm | 820 mm |



Universal toolroom milling machines with open working area

CM300-F

Automatic CONTINUOUS feed in all 3 axes X/Y/Z. Operation of the axes by joystick on the control panel, including digital readout.





CM400

CNC-controlled toolroom milling machine of modern design with unique concept for handwheels to machine conventionally or run under full CNC mode.

With latest control Heidenhain TNC128.



Universal Toolgrinder



- **■** For turning and milling tools
- For regrinding or producing new tools
- Special geometry quickly available
- Indispensable for every metal cutting workshop
- With quick changer for grinding wheels
- Always the correct grinding wheel in use



Dividing head



Toolholding plate



Swivel holder



Quick-change-device



Fully automated production solutions for large-scale production



Your advantages at one glance

- Increase in productivity
- Cost reduction
- Optimal processes for your machining requirements
- All with certification according to CE









FROM ONE SINGLE SOURCE, SPINNER and SPINNER-Automation



- Most modern digital drive systems
- **■** Convenient dialogue programming
- With special clamping devices and tools

Ask us for your solution!











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For further questions please contact your regional sales organisation

Regional Dealer

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

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