

SPINNER

U-630 Advanced

Universal Machining Centre



Mechanical Engineering

Made in Germany

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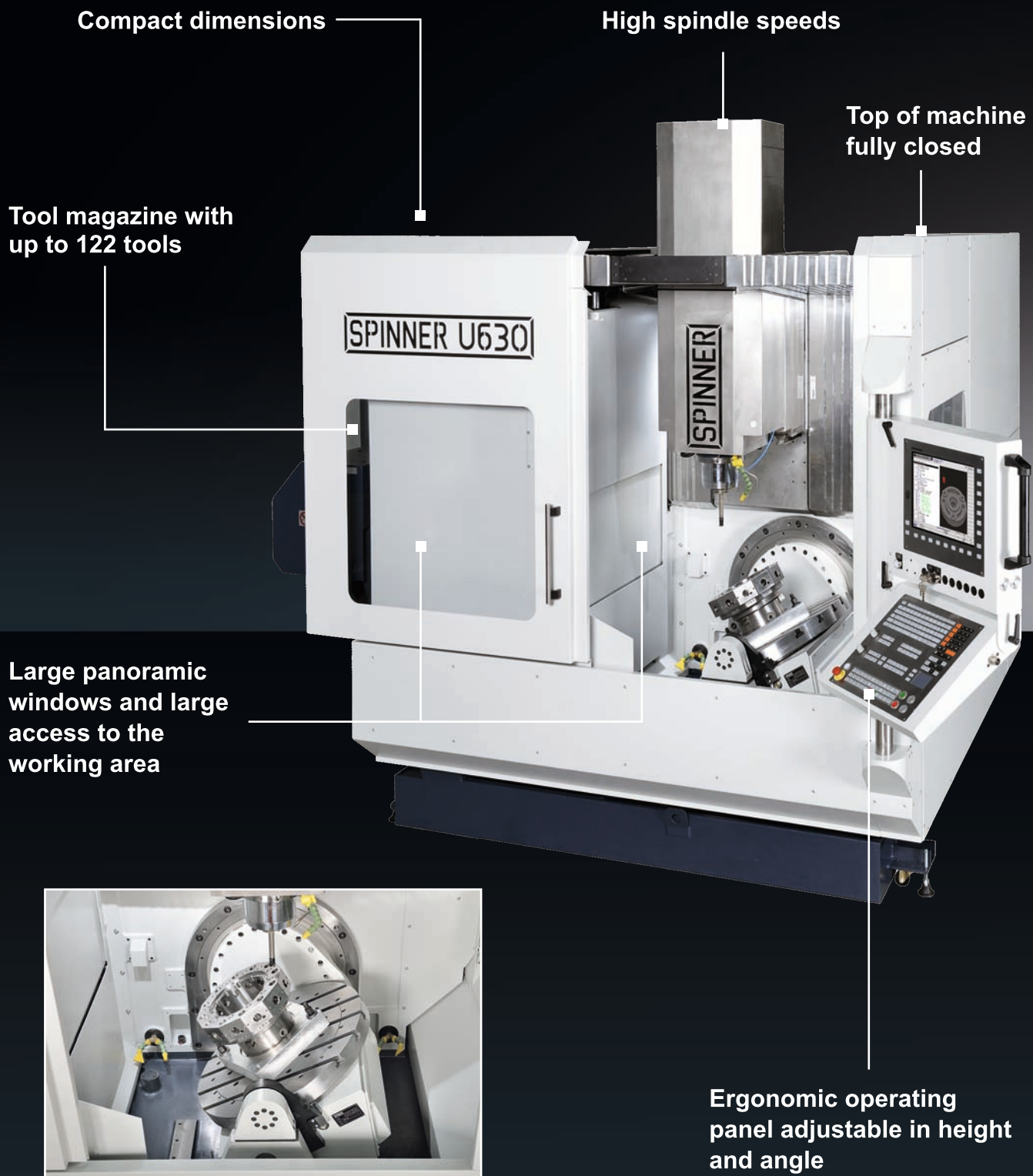
Machine Highlights

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

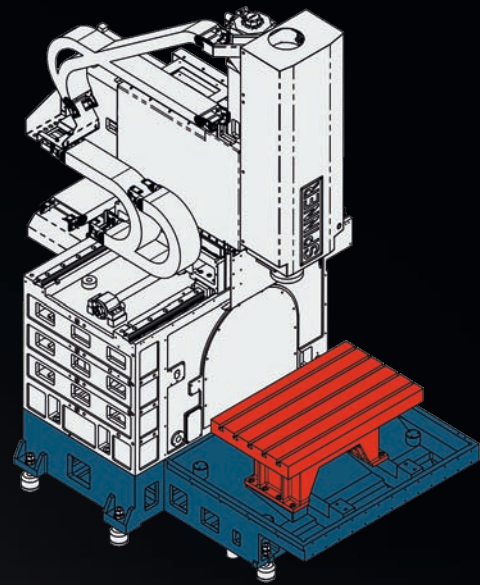


All versions available as U-1530 with enlarged X stroke

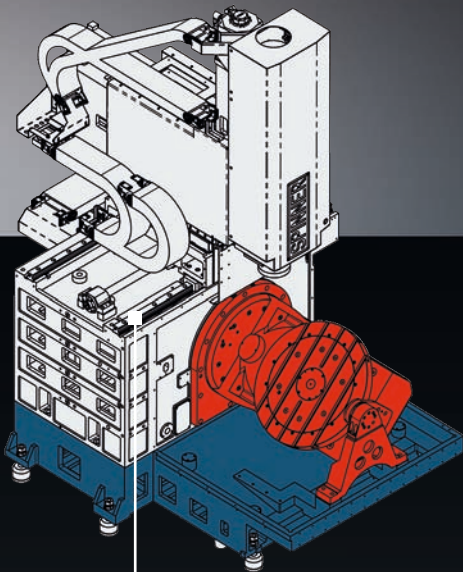
Ergonomic
Universal
Dynamic
Highly precise
Productive

5-axes simultaneous machining

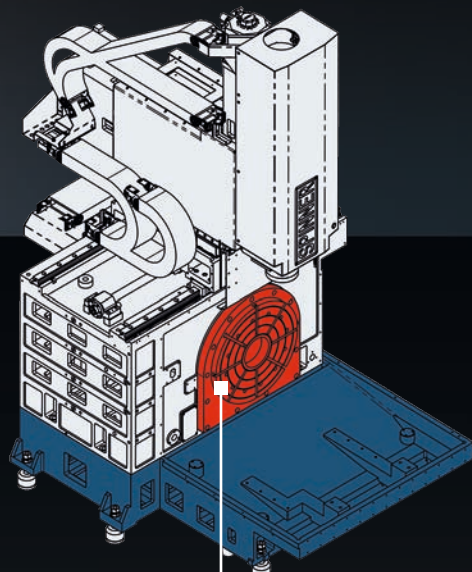
U3-630 [Fixed table]



U5-630 [Rotary/Tilting table]



U4-630 [Rotary table]



All versions with
modern linear
guides on rigid cast
construction

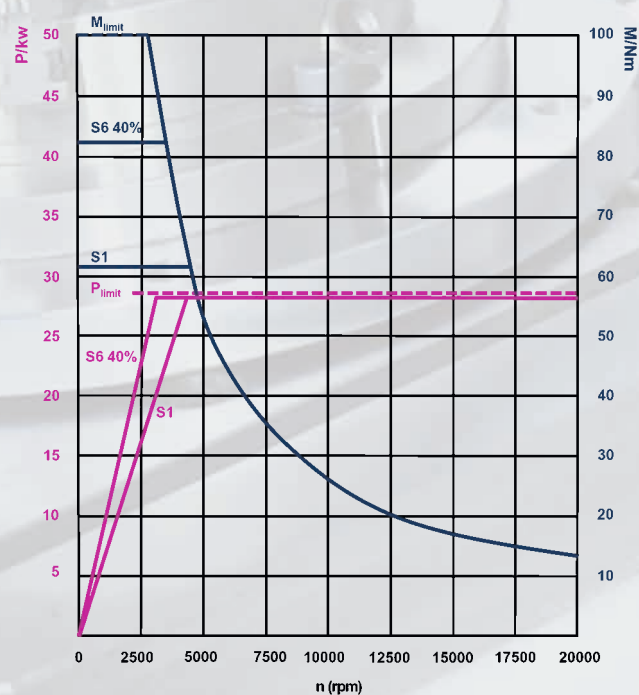
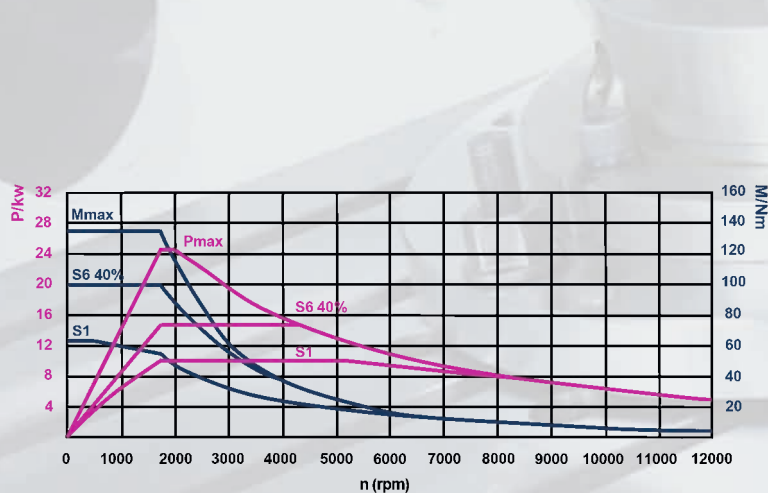


Clamping table U4-630
Clamping surface on both sides

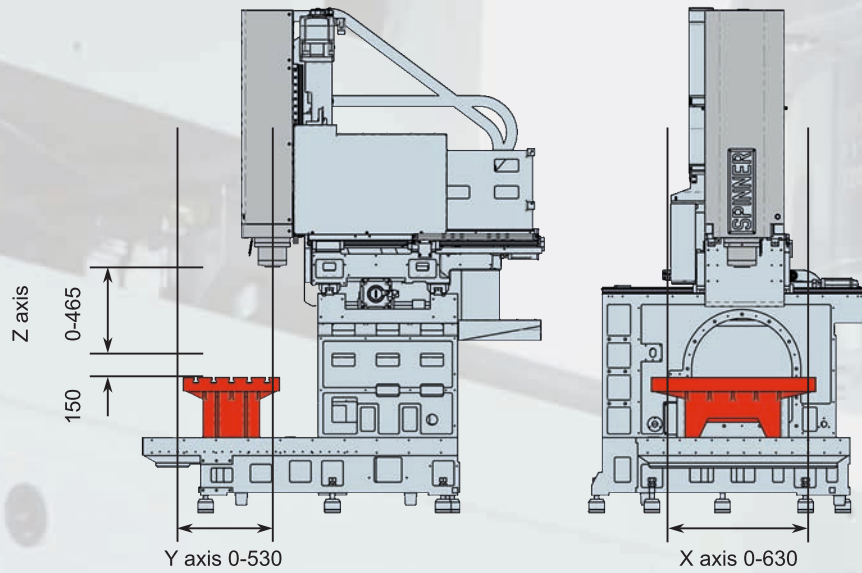


Working area	U3-630	U4-630	U5-630
X axis	630 mm		
Y axis	530 mm		
Z axis	465 mm		
Table			
Table dimensions	920 x 540 mm	410 x 610 mm ¹⁾ / Ø 560 mm ²⁾	Ø 650 / 500 mm
Max. table load	750 kg	400 kg	500 kg
T-slots	18H8	14H8	18H8
Axes			
Feed / rapide traverse	48 m/min		
Number of simultaneously interpolated axes	3 (4)	4	4 (5)
Spindle			
Max. speed	12.000/15.000 rpm (SK40), 20.000 rpm (HSK63)		
Performance P_{max}	12.000/15.000: 25 kW; 20.000: 28 kW		
Torque M_{max}	12.000/15.000: 135 Nm; 20.000: 100 Nm		
Tool magazine			
Number of tool stations	32 (optional 54 / 122)		
Max. tool diameter	76 mm		
In case of free adjacent tool stations	130 mm ³⁾		
Max. tool length	300 mm		
Max. tool weight	7 kg		
General indications			
Dimensions (L x W x H) ⁴⁾	2745 x 2420 x 2820 mm		
Weight ⁵⁾	~ 5.500 - 7.100 kg (according to the equipment)		

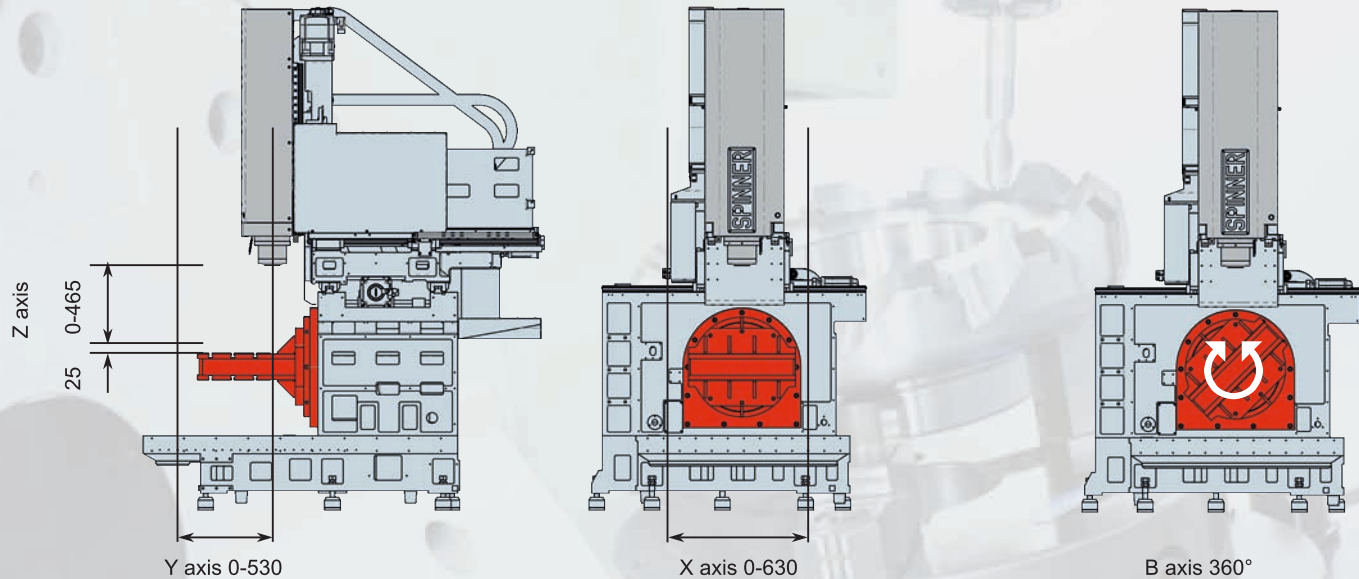
- 1) Clamping table, 2) Rotary table, 3) Valid for spindle speed up to 1 2.000 rpm, toolholder limited to 80 mm in case of spindle speeds >12.000 rpm;
4) See floorplan, 5) Machine net weight



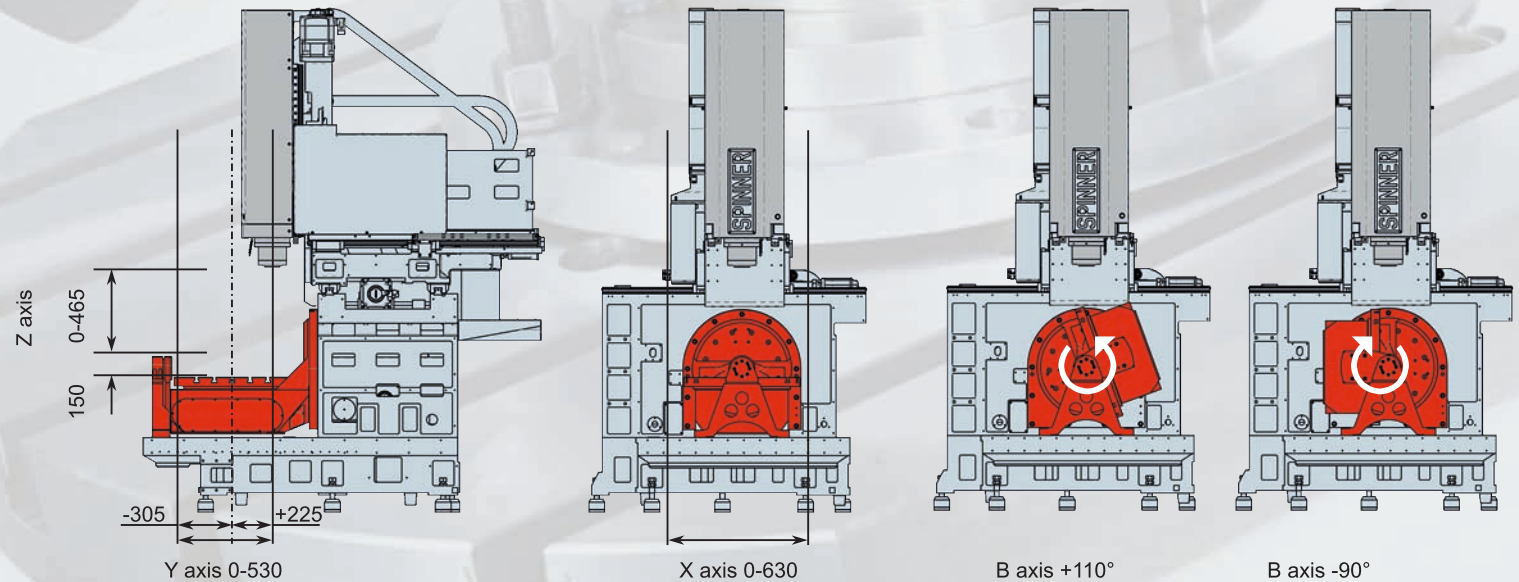
U3



U4



U5



Magazine enlargement to 54 or 122 tools

Chip conveyor or chip box

Milling spindle with 12.000/15.000 rpm (SK40) 20.000 rpm (HSK63)

Compressed air through the spindle

Pallet changer with 5 or 9 pallets

SPINNER U630

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High pressure coolant 22/70 bar through the spindle

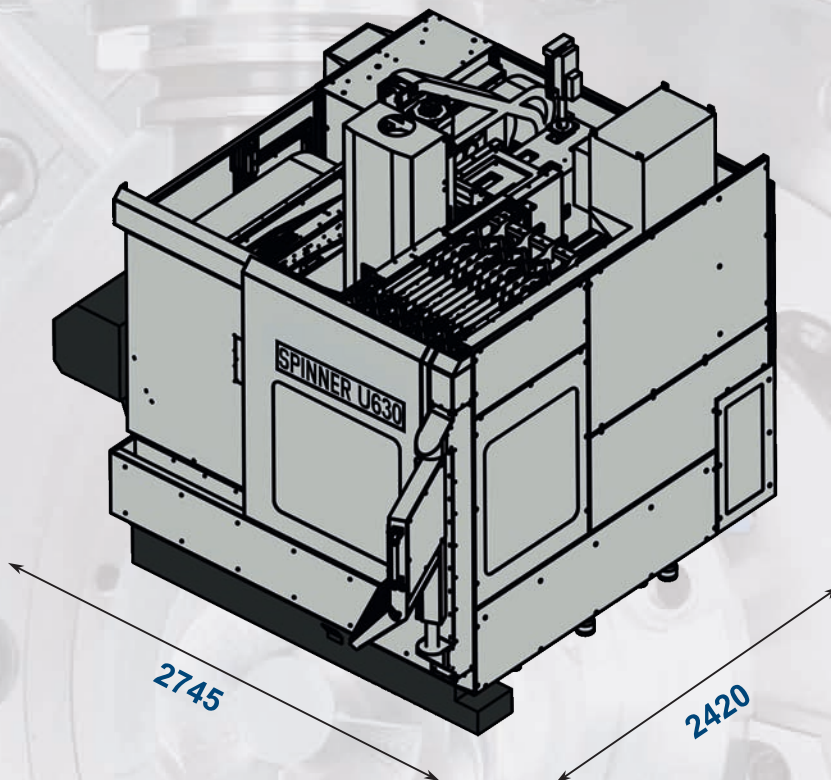
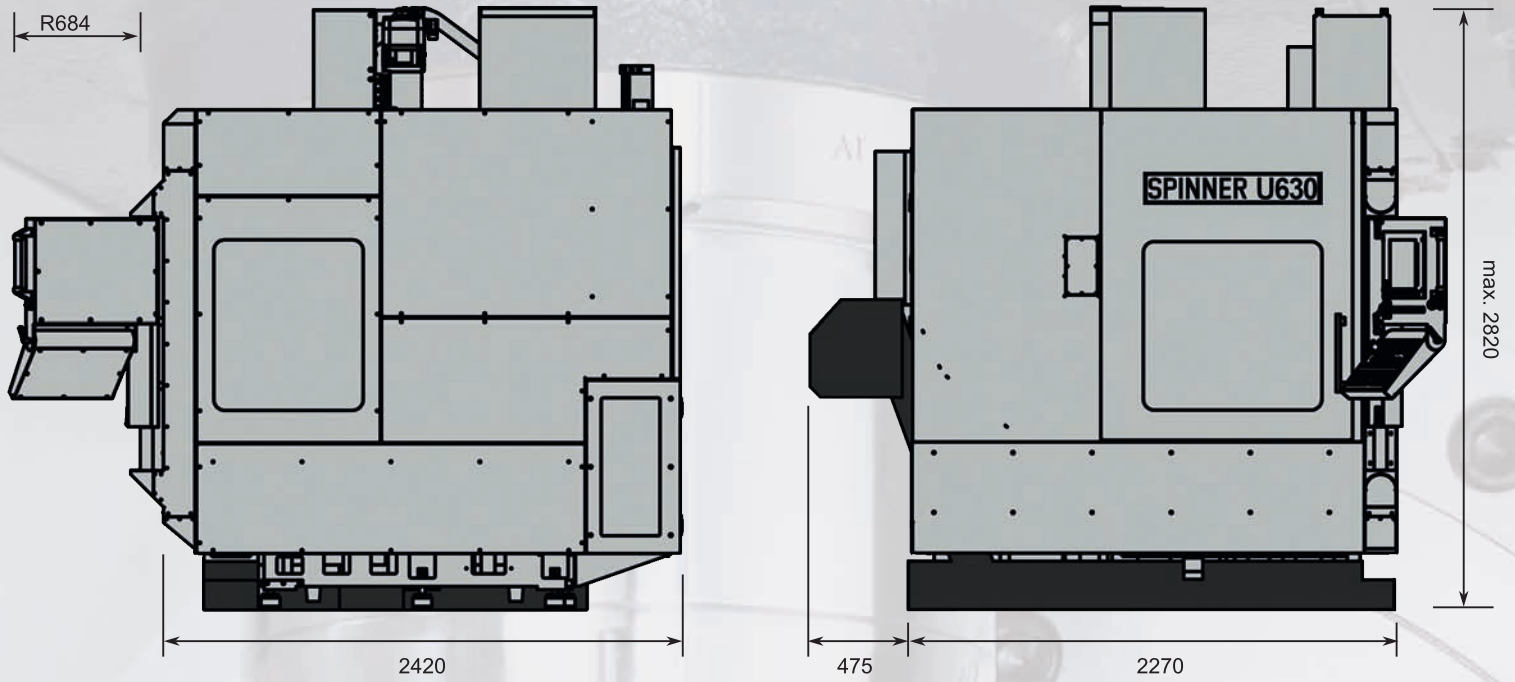
Clamping table for U4-630

Siemens 840D-SL
Heidenhain TNC620/640

Coolant pistol in the working area

Direct measuring systems





Compact dimensions for low space requirement

Version with standard chip conveyor



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