

Specifications

Grinding Capacity

Max. tool Ø (production)	32 mm	1.26"
Max. tool Ø (resharpening)	170 mm	6.70"
Max. tool length	700 mm	19.70"
Max. fluting length	425 mm	16.73"

Workpiece Spindle

Clamping / Unclamping	pneumatic
Attachment	ISO 50 (SK 50)

Grinding Spindle

Attachment	HSK 63F (HSK 50E)	
SMax. speed	12 000 min ⁻¹	
Power (S1)	10 (24) kW	14 (32) HP
Torque (S1)	12 (28) Nm	9 (21) ft-lbs
Grinding wheel Ø	150 mm	6"

Machine

Dimensions (L x W x H)	1,7 x 1,7 x 2,0 m	
Weight	3 700 kg	8,140 lbs

Rotary Axes

B-axis range	340°
C-axis range	∞
C-axis rotation speed	2 000 min ⁻¹
Resolution	± 0.002 °

Linear Axes

Rapid feedrate	30 m/min
Acceleration	5 m/s ²
Resolution	0.00001 mm

CNC-Control

Type	NUM Flexium+
Software	NUMROTOplus ®

Wheel Changer

Capacity	4x (8x / 12x)
Attachment	HSK 63F (HSK 50E)

STRAUSAK reserves the right to change these data without notice

strausak

The new Strausak ONE

Adapted to the unpredictable

Next-generation CNC tool grinder designed for small batches, special tools or resharpening

Adaptive Grinding Solutions



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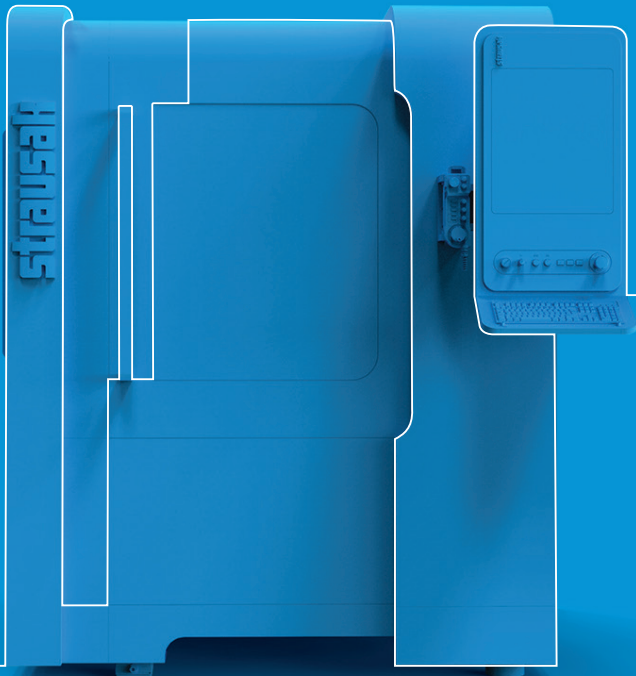
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Strausak ONE

Versatile Swiss Precision



STRAUSAK ONE

Adaptive Grinding Solutions

Strausak produces scalable grinding equipment for tool production & resharpening professionals.

Designed to combine precision and efficiency, Strausak machines help their owners stay competitive in a dynamic and unpredictable environment.



Smart design

The STRAUSAK ONE is the ultimate 5-axis CNC-tool grinder for high quality production or resharpening of cutting tools.

- full direct drive axes
- actively cooled cast iron frame
- compact footprint
- outstanding ergonomics
- powerful spindles
- integrated automation

Easy programming with numroto

NUMROTO is the preferred solution for tool programming for more than 25 years.

- unlimited programming possibilities
- accurate 3D simulation
- reliable performance prediction

Wide Application range

The high versatility provided by the large selection of equipment allows for the efficient grinding of a large variety of tools.

- efficient up to Ø32 mm
- production or resharpening
- HSS, carbide, or ceramic



Best ergonomics

Setup times are reduced to their minimum thanks to the unmatched access to the embedded equipment.

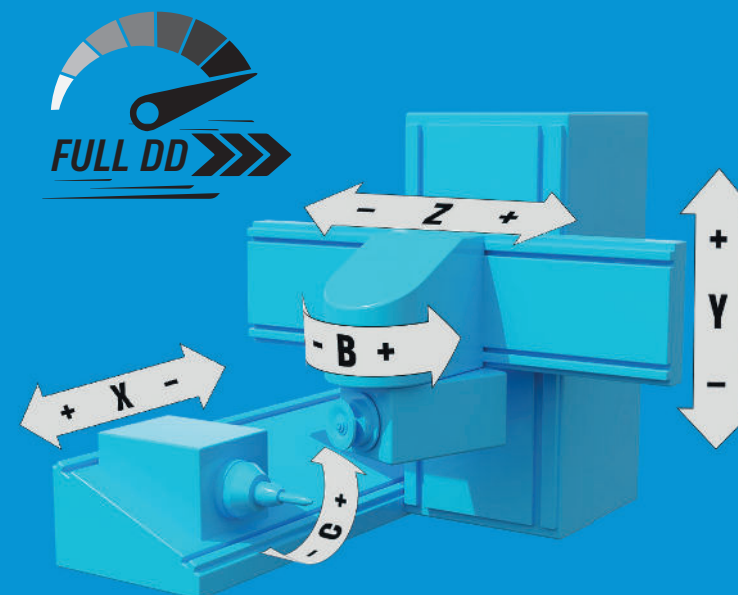
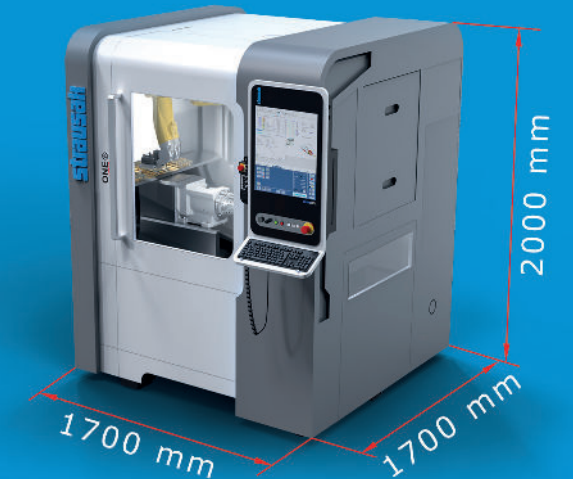
- large door access
- easy to reach components
- adjustable operating panel
- mobile machine pendant control

Big achievement in a small footprint

Modern workshops need flexibility, efficient floorspace use, lean processes, short setups, and small machines.

However, compactness will not impact capacity.

- fluting length up to 425 mm (16.73")
- cylindrical grinding up to Ø170 mm (6.7")
- 24 kW (32 HP) spindle
- integrated tool loader
- integrated wheel changer



Perfect finish at high accuracy

Full direct drive on all 5 axes for unique performance and reliability.

- outstanding surface quality
- accurate path control
- fast positioning
- fast wheel and tool changes
- no wear, no backlash



Modular equipment upgrades

When the needs changes, the equipment has to adapt.

- (R) robot loader**
Add an integrated pickup or robot loader to enhance your productivity
- (W) wheel magazine**
Integrate higher wheel capacity to allow for more flexibility
- (P) pallet magazines**
Add an automatic pallet magazine to grant more autonomy