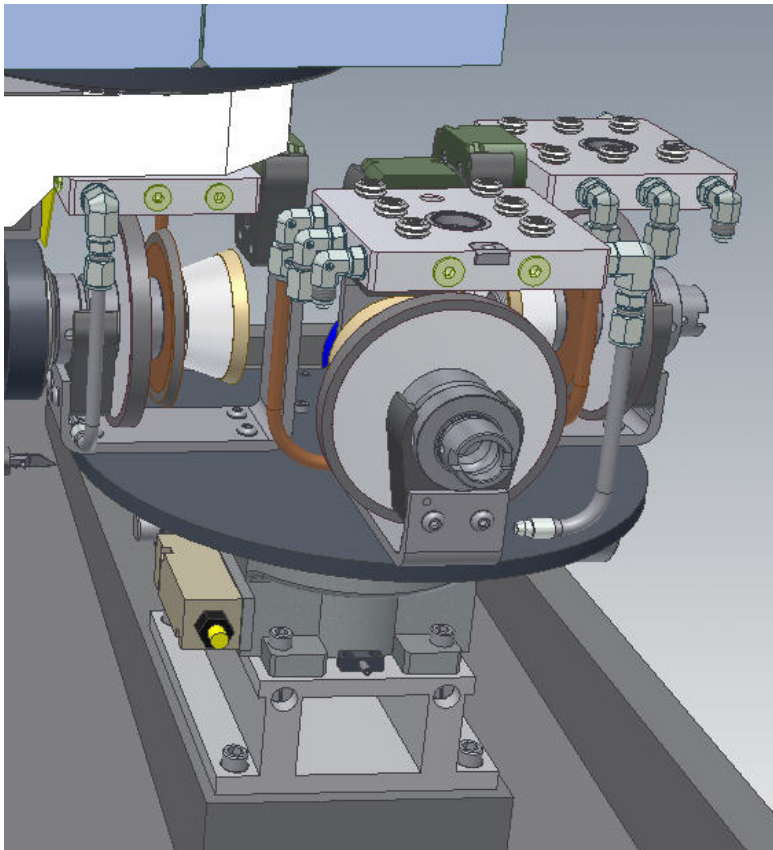




NTG
tool and cutter grinding machine
with three-station grinding wheel and coolant manifold system

NTG

Compact, fast and reliable



Manufacture or recondition a wide range of complex cutting tools.

Armed with NUMROTOplus software, the NTG is designed for manufacturing and reconditioning end mills, drills, step drills, taps and form cutters quickly and precisely.

NTG's 3-station wheel and manifold changer switches grinding wheels in 10 to 15 seconds.

The high volume auto load/unload system holds up to 288 parts, and loads and unloads tools .5" in diameter by up to 8" long to an automated tailstock center in 15 seconds or less.

Linear motors on 2 horizontal axes rather than ball screws reduce the

Your advantages

+ Accuracy

Precision grinding spindle
HSK grinding wheel mounting
Glass scales on all linear axes

+ Flexibility

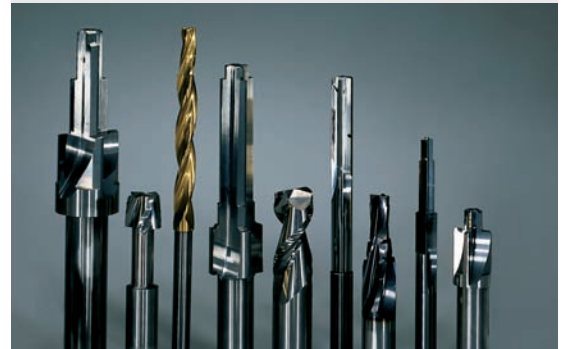
User-friendly software
Speedy 3 station wheel changer
High volume auto load /unloader

+ Reliability / Maintainability

Air purge eliminates contaminants.
Linear motors mean fewer moving parts.

+ Stability

Engineered for structural and thermal stability, NTG has mineral cast base and column that dampens vibrations.



number of moving parts, lowering maintenance costs and improving surface finishes. And since the loader is integrated in the standard enclosure, the NTG takes up 30% less floor space than earlier generation machines.

Technical data NTG

Specifications

Main dimensions: base machine LxWxH
Total weight: base machine
Maximum work piece diameter
Maximum work piece length
A axis workhead spindle 360°
B axis grinding spindle swivel +/- 110°
X axis slide travel
X axis speed
Y axis slide travel
Y axis travel speed
Z axis slide travel
Z axis speed
Grinding spindle speed
Grinding spindle HP
Maximum grinding wheel diameter

Metric

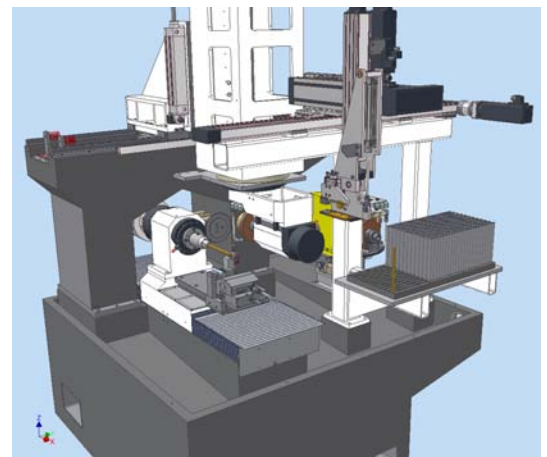
2400 x 2800 x 2600
4500 kg
100 mm
200 mm
1,000 rpm
75 dps
800 mm
50 m/min
220 mm
10 m/min
53 mm
50 m/min
10,000 rpm
10 Kw
152 mm

English

95 x 110 x 102
9,990 lbs
4.00 in.
8.00 in.
1,000 rpm
75 dps
31.5 in.
2000 in/min
8.7 in.
400 in/min
20.9 in
2000 in/min
10,000 rpm
10 Kw
6 in.

Standard Features

- NUM Axium five axis CNC Controller with a combination of linear motor and digital servo motors.
- Mineral cast base and column
- Three-station grinding wheel pack and coolant line manifold changer
- Direct drive grinding spindle
- HSK quick change wheel pack mounting system
- Direct drive headstock for tools up to 8" long
- Air purged headstock and grinding spindle
- Standalone closed-loop chiller for headstock and grinding spindle
- Glass scales on all linear axes and rotary axes
- Part probing on grinding spindle
- Grinding wheel probe
- Standard 2D NUMROTOplus® simulation
- PC interface with flat screen
- Pivoting operator console
- Ergonomic design for the operator
- Air conditioned electrical magnetic enclosure
- Vibration dampening leveling pads
- On-line maintenance and alignment procedures
- Full disclosure of machine drawings
- 12 month warranty
- Service response within 24 hours



System technology from one source



CNC Hob sharpening machines
CNC Shaper cutter sharpening machines
CNC Broach grinding machines

CNC Universal tool grinding machines
CNC Spline grinding machines

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