



PTG-6

Star CNC Tool and Cutter Grinder

TOOL AND CUTTER GRINDER



PTG-6 Six-Station Wheel Pack and Manifold Changer

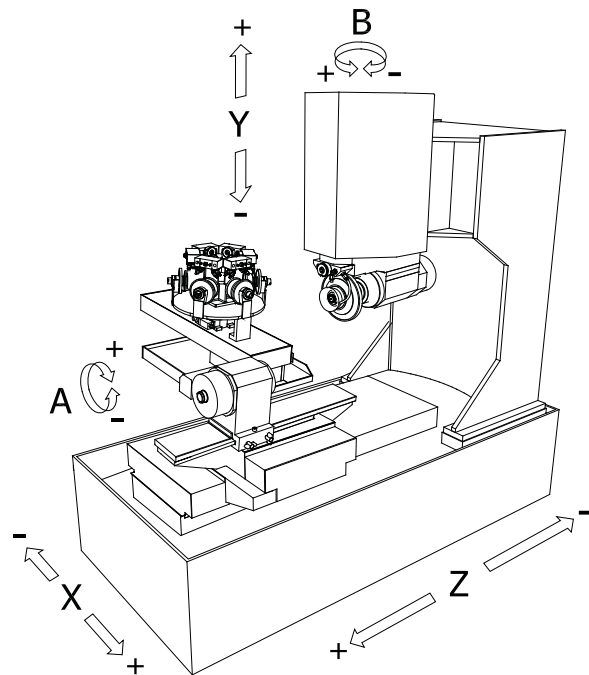


STANDARD MACHINE SPECIFICATIONS

The Star PTG-6 is a six (6) axis CNC controlled cutter grinder for grinding, sharpening and reconditioning a wide variety of tools and orthopedic devices. The machine is equipped with a six-station wheel pack changer for high productivity and precision.

Technical Data - Capacities & Limits	
Maximum Workpiece Diameter	170 mm
Maximum Workpiece Length	520 mm
A - Axis Workhead Spindle Rotation	1000 rpm
B - Axis Workhead Spindle Swivel	75° per second
X - Axis Travel Speed	10 mpm
Y - Axis Toolhead Slide Vertical Travel	220 mm
Z - Axis Axial Travel Tool Spindle Slide	350 mm
Grinding Spindle Power (Peak)	30 kw
Maximum Grinding Spindle Speed	10000 rpm
Maximum Grinding Wheel Diameter	150 mm
Width (Approximate)	2300 mm
Height (Approximate)	2500 mm
Length (Approximate)	2900 mm
Weight (Approximate Net)	5400 kg

Working Range Kinematics



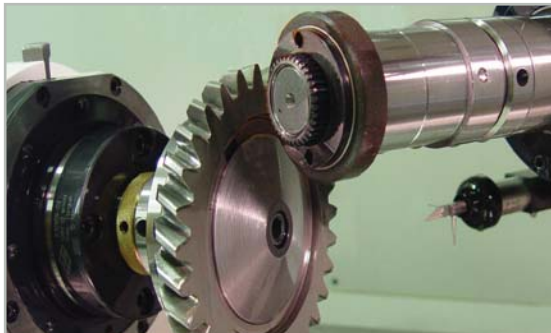
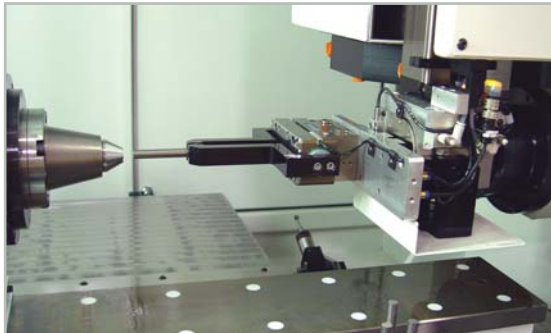
Actual machine W-H-L and Weight depend on ordered configuration. Technical data is subject to change without notice and may vary according to the options purchased with machine.

Technical data in quote supersedes published information.

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Standard Equipment	
Description	
6 position wheel changer	
Adjustable A-axis headstock for tools up to 21 inch OAL	
Adjustable arm for the operator center	
Anti-backlash headstock with rotary glass scale positioning	
Automatic HSK wheel pack mousing	
Direct drive A-axis headstock	
Grinding wheel probing system	
Heidenhain glass scales on linear axes	
HSK quick-release grinding wheel pack. Change time < 1/2 second	
Num Axium (5) axis CNC controller with digital servo motors	
PC with basic NUMROTOplus software	
Part probing system	
Thermally stable with stand alone closed-loop chiller for grinding spindle and headstock	
Zoned high pressure coolant delivery ready	
460 Volts / 3 Phase / 60 Hertz	
Documentation	
Manufactured in USA	
Standard Equipment Total (\$):	



Optional Equipment	
Description	Price (\$)
High speed truing spindle for truing grinding wheels	
Tooling for sharpening hobs, shapers disc shaper cutters	
Capability of sharpening tools such as gundrills and gun reamers	
Headstock work holding options: Nikken, Schunk, Schaublin, and Briney	
Manual hydraulic and nutted arbors	
Manual and pop-up tailstocks	
Tool support options	
Automated part loading systems	
NUMROTO-3D grinding simulation	
Automatic fire suppression system	
Standard or custom designed coolant and filtration options	
Custom coolant systems available from Transor	
Custom designed tooling	
Optional Equipment Total (\$):	

Total Cost:	
Standard Equipment Total (\$):	
Optional Equipment Total (\$):	
TOTAL (\$):	

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