



CTG-3

Star CNC Tool and Cutter Grinder

STANDARD MACHINE SPECIFICATIONS

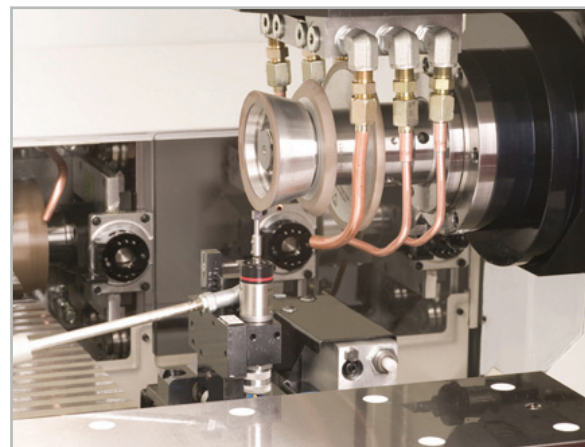
The Star CTG-3 is a tool and cutter grinder featuring a small foot print for manufacturing or reconditioning cutting tools, part programming through NUMROTOplus Software, flexibility via a three-station HSK grinding wheel pack and coolant manifold change system. An auto loading system is also available for unattended operation.

Technical Data - Capacities & Limits

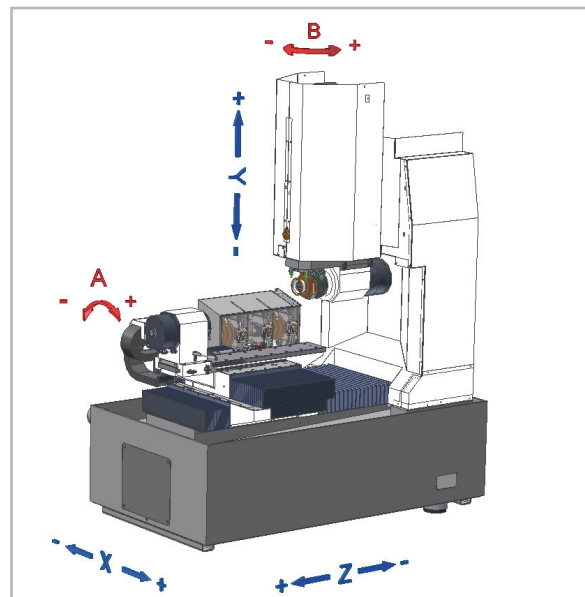
Maximum Workpiece Diameter	100 mm
Maximum Workpiece Length	530 mm*
A - Axis Workhead Spindle Rotation	1000 rpm
B - Axis Workhead Spindle Swivel	75° per second
X - Axis Travel Speed	10.16 mpm
Y - Axis Toolhead Slide Vertical Travel	220 mm
Z - Axis Axial Travel Tool Spindle Slide	350 mm
Grinding Spindle Power (Peak)	14 kw
Maximum Grinding Spindle Speed	10000 rpm
Maximum Grinding Wheel Diameter	150 mm
Width (Approximate)	1900 mm
Height (Approximate)	2300 mm
Length (Approximate)	2400 mm
Weight (Approximate Net)	4082 kg

*Dependant on grinding operation being performed.

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.



WORKING RANGE KINEMATICS



Technical data in quote supersedes published information.



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Standard Equipment	
Description	
3-Station wheel pack/manifold changer	
Adjustable A-axis headstock for tools up to 21 inch OAL	
Adjustable arm for the operator center	
Anti-backlash headstock with rotary glass scall positioning	
Automatic HSK wheel pack mousing	
Direct drive A-axis headstock	
Grinding wheel probing system	
Motorized grinding spindle - 19 HP ~ 14KW	
Auto HSK wheel pack mounting	
Cat 50 headstock spindle with 40 mm thru hole	
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	
NUMROTOplus 2D grinding simulation	
Part probing system	
Closed-loop chiller on grinding spindle & headstock for thermal stability	
Zoned high pressure coolant delivery ready	
460 Volts / 3 Phase / 60 Hertz	
Machine setup package	
Five-day training package	
Documentation	
Manufactured in the 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 gun drills 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	
Dressers & diamond rolls	
Grinding wheels	
Extended warranty	
Optional Equipment Total (\$):	

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

Submit a QUICK QUOTE Request



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