

NXT

GEAR TOOL GRINDING



Since 1927
Star[®]
STAR CUTTER COMPANY

ACHIEVE UNMATCHED FLEXIBILITY AND PRODUCTIVITY WITH THE STAR CUTTER NXT 5-AXIS TOOL GRINDER

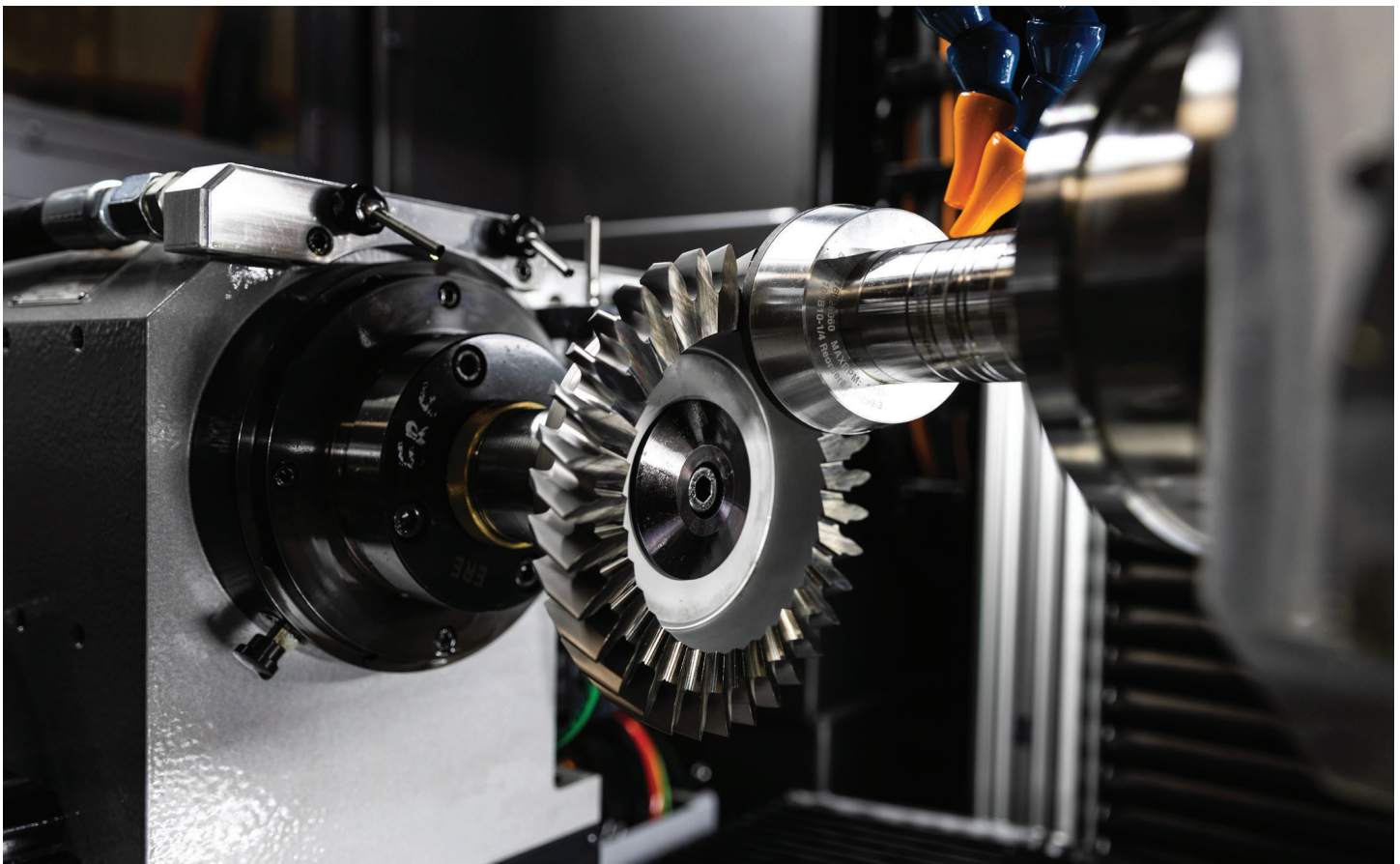
- Cutting-edge machine design offers a compact footprint with a surprisingly large work zone.
- Packaged with industry-leading NUMROTO software
- Modular platform provides unparalleled flexibility—large or small wheels, automatic load and unload, multiple tooling rail options, and more.
- Ideal for high-mix, low-volume shops but quickly and easily adapts to those with higher production needs.
- Real-time tracking of component temperature, axis travels, spindle hours and other critical machine metrics means predictable operation and maximum uptime.
- Hydraulic steady rest, auxiliary W-axis, and five-station wheel changer maximize throughput and part quality while an optional 12,000 RPM dresser keeps wheels sharp and accurate.
- 24-hour service response time
- Manufactured in the USA



SPECIFICATIONS

- Machine dimensions: 7'6" L x 6'6" W x 7'5" H
- Travel: X: 19.7" [500mm], Y: 25.6" [650mm], Z: 29.5" [750mm]
- Capable of 15" end work, 10" diameter parts, utilizing up to 8" wheels





THE PRECISION TOOL FOR GEAR MANUFACTURING

When it comes to gears, even minor discrepancies can lead to significant problems such as reduced efficiency, increased wear and tear, and eventually failure of the device itself. So, where does the need for precision start? With the tool grinder.

Enter the Star Cutter 5-axis NXT CNC Tool Grinder

In the world of gear manufacturing, tool grinders play a critical role in ensuring that gears are produced with high precision and accuracy. They also help to improve the efficiency of gear manufacturing by reducing downtime due to broken or worn-out tools.

The Star Cutter NXT is extremely well-suited for sharpening and shaping complex gear cutting tools like helical hobs, helical shapers, stick blades, dish shapers, and other tools to perform optimally during production. The precision and reliability of these machines cannot be overstated

as they ensure that gear tools can produce gears that meet the required specifications such as tooth profile, pitch circle diameter (PCD), helix angle, and surface finish.

Advanced Software and Application Support

The NXT delivers advanced features that further contribute to efficient and precise gear manufacturing. Featuring the latest in CAD/CAM software, the NXT offers automated programming that enables operators to produce complex geometries more efficiently while maintaining quality standards.

A key advantage of working with the Star Cutter team is our ongoing application support. Star application engineers are here to design, develop and implement programs and processes that are fine-tuned to your particular application. Whether you are a first time customer to Star or a long term user, our team is here to help.



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