



THE MACHINE:

HARDINGE SUPER-PRECISION® QUEST CHNC 42

MACHINE SPECIFICATION

- A2-5/16C Collet Ready
- 5,000 RPM Main & Sub Spindle
- Interchangeable Turret Top Plates (uses all older existing plates and holders)
- Continuous Accuracy .0002/5 micron
- Part Roundness .000015"/.38 micron
- Surface Finish 8 micro-inch/.20 micron
- Made in the USA

THE INDUSTRY:

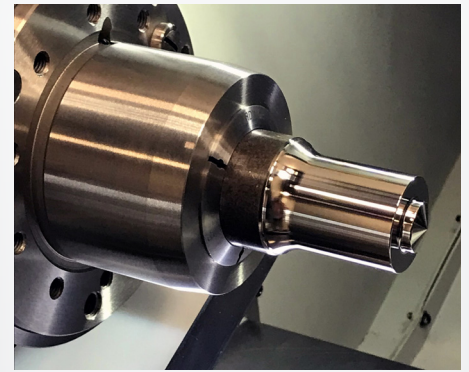
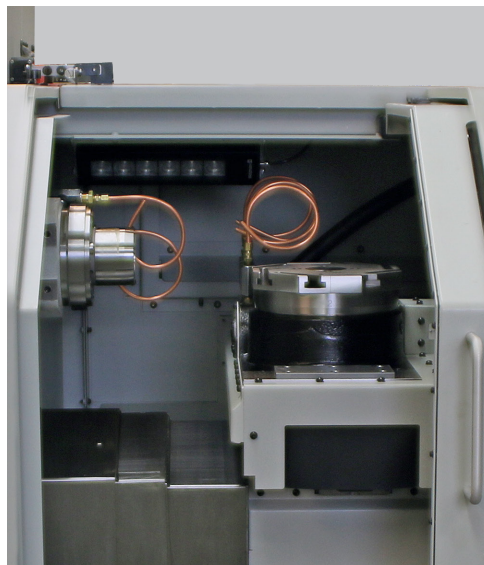
HARDEN TOOL STEEL & TOOLING

Hardened Tool Steel is used heavily in the canning, bullet, punch, and other precision machining applications across the globe. Traditionally intricate profile and radius requirements were reserved for more costly and complicated manufacturing techniques. With the demand for Harden Tool Steel Punches spiking globally manufacturers are looking for more efficient and cost-effective solutions to install.



FOR MORE INFO
SCAN THE QR CODE

HARDINGE.COM | 800-843-8801



THE APPLICATION:

HARD PUNCH

A2 Tool Steel 60-62 Rc

FEATURES BEING MACHINED

- Tapered face to centerline, OD and Radius

PART TOLERANCES

- Roundness: .000035"
- Size: +/- .00015"
- Finish: 12 micro-inch

CYCLE TIME

- Complete part done in 45 sec.

This solution has the advantage of holding part tolerances without the need of grinding. This application can be done quickly and simply with the use of one single point turning tool.

