



# CENTROID™

## HARDINGE RETROFIT



The **CENTROID** CHNC Retrofit package makes your Hardinge perform better than new!

Each kit comes ready to bolt on and is completely prewired and tested before it leaves the factory. This system replaces all existing electronic components and includes a new 5 HP AC Spindle motor, a new Spindle variable frequency inverter, and new Servo axis motors with encoders. Alternatively, you can reuse your original axis motors.

A typical CHNC retrofit takes only two days to complete.

Give your Hardinge what it deserves . . . a **CENTROID** CNC.



**HARDINGE**  
*SUPER-PRECISION*

### **CENTROID CHNC Retrofit Features:**

- Control of the Hardinge Turret
- Constant Surface Speed
- Threading
- Conversational Programming
- Floppy Drive and LAN Ready
- Color Tool Path Graphics
- One Year Warranty on the Control!



**CENTROID** • 159 Gates Rd. • Howard, PA 16841 • PH: (814) 353-9256 • FAX: (814) 353-9265

[www.centroidcnc.com](http://www.centroidcnc.com)

# Everything You Need

## Comes In One Box

- New 5 HP Spindle Motor
- Encoder and Inverter (with new belt and pulley)
- New Axis Motors or Encoders to reuse old axis motors
- All Adaptor Plates and Miscellaneous Hardware
- Prewired Kit (reduces install time)
- Preprogrammed PLC for all M Functions and Hardinge Turret
- Installs in 2 Days
- Pentium PC Based (dual processor)
- Step by Step Installation Manual and Pictorial

**A complete T-39 CHNC System ready to bolt on!**



**Hand Held Jog Pendant**

### CENTROID Hardinge Retrofit CNC Features:

- Large Built-in Hard Drive
- Floppy Drive
- Pentium PC Based
- Unlimited Part Program Memory
- Fast Smooth Continuous Tool Motion
- Intercon Conversational Programming
- G-code Programming
- Color Graphics
- Cutter Radius Compensation
- Drilling Cycles
- Subprograms and Macros
- Multiple Works Coordinates
- Canned Threading, Turning, Tapering, Grooving, Cut Off, Radius, Chamfer, Blended Chamfer
- Automatic Roughing Pass Cleanout
- Automatic Finishing Pass Generation
- Spindle iSi Function
- Constant Surface Speed
- Programmable Spindle Speed
- Programmable Control of Hardinge Automatic CNC Turret
- G-code Backplot Graphics
- Feed Rate, Rapid Rate, and Spindle Speed Override
- E Stop
- Operator Control Pendant (with dedicated Jog buttons)
- Spindle on/off, cw/ccw, Auto Lube, Auto Coolant



*\* VGA Monitor and PC Keyboard Not Included*



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