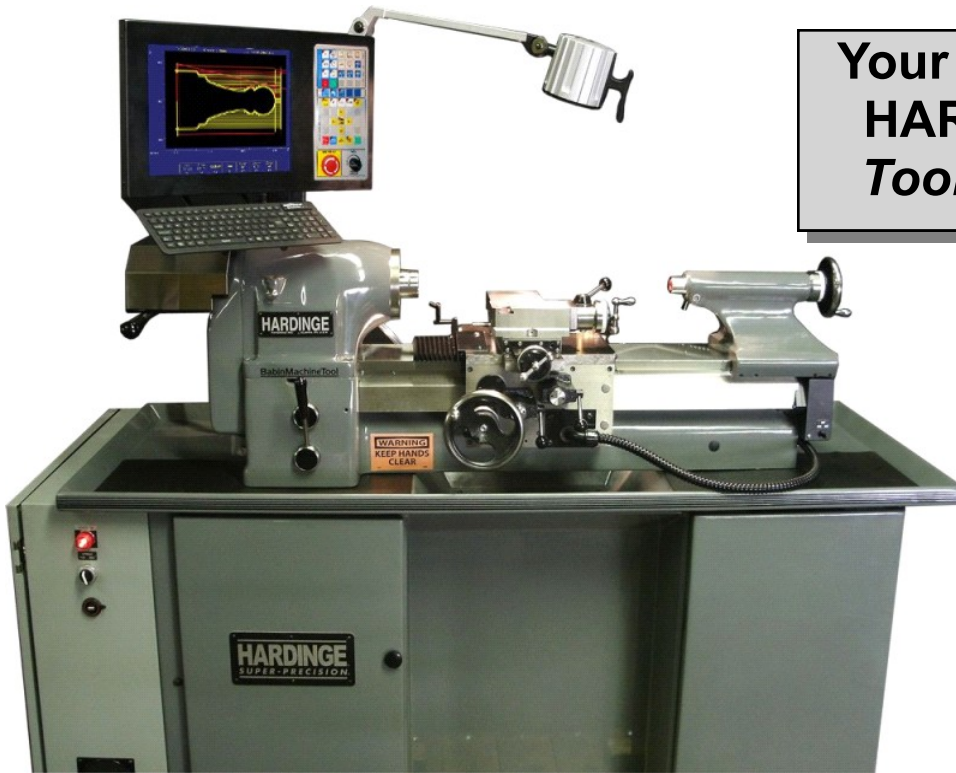
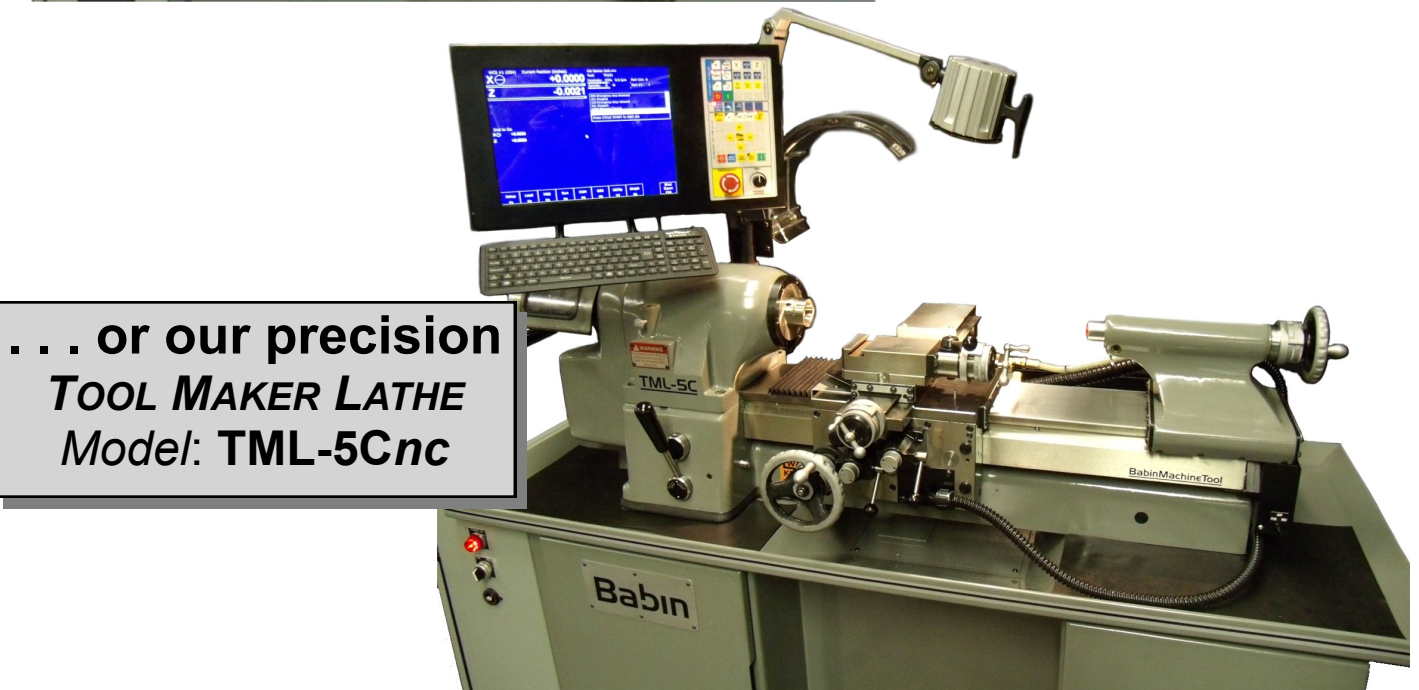


CNC/MANUAL TOOLROOM LATHES

Precision engineered and technologically advanced



Your remanufactured
HARDINGE® HLV-H
Toolroom lathe . . .



. . . or our precision
TOOL MAKER LATHE
Model: TML-5Cnc

BabinMachineTool

Designed and engineered for precision turning in manual or CNC mode

Standard Features . . .

- 3 HP, 3000 RPM spindle with dynamic braking
- USA made CENTROID CNC system
- Dual electronic hand wheels and feed clutch levers
- 15" color LED with graphics and DRO display
- Solid state hard drive, USB and Ethernet ports
- Shop floor type programming that is easy to use
- G-codes accepted from off-line CAM programming
- Programmable spindle speeds with CCS
- Automatic lubrication system to ways & screws
- Spindle encoder for threading operations
- 5C collet closer with lever operation
- Programmable flood coolant pump
- Homing switches and software limit travel stops
- Feed rate and spindle speed overrides
- Spindle start-stop lever for manual operation
- Precision engineered components and brackets
- Coolant and curved chip guard w/ "swing away" design
- 230 volt, 60 cycle, 3-phase operation, **460V opt.**
- Stainless guarding and protection for ball screws

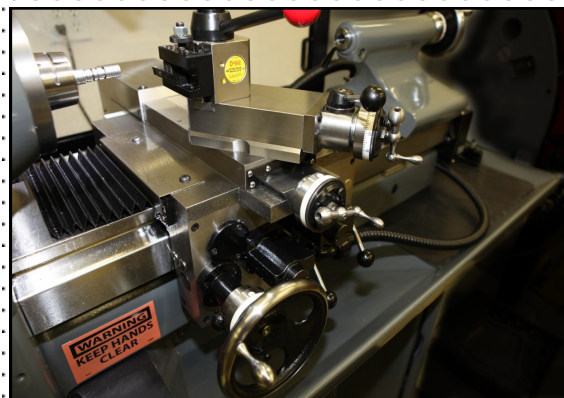
Options . . .

- Halogen work light
- Rear chip and coolant shield
- 5HP spindle motor
- Off-line software
- Quad indexing toolpost and tool holders
- Gang tooling setup
- 5C collets and precision work holding chucks
- Single phase 220v power input
- Tooling, chucks, 5C collet sets
- Mist control and Fog Buster or AcuLube mist units
- Extended parts and service warranty

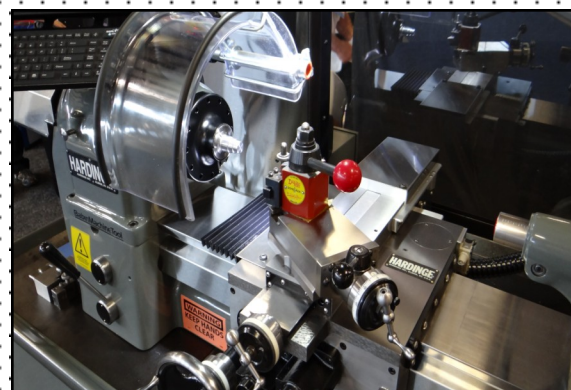
CNC & Programming Features . . .

- Full manual operation with DRO position display
- .0001" resolution display
- Interactive conversational programming (Intercon)
- Icon help features with *fill in the blank* inputs
- Full color real-time graphics on 15" LED display
- Distance to go display
- Large capacity and reliable solid state hard drive
- Canned cycles for: turning, threading, boring, profile, grooving, cut-off, drilling, roughing and finish cuts
- Digital servo drives and high torque servo motors
- Modular type components

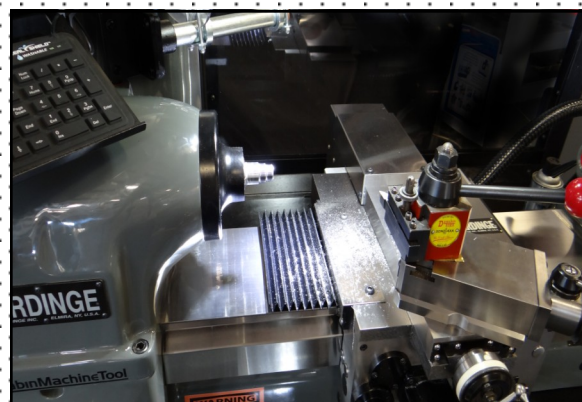
On-site training available throughout the USA



Original style handwheels that give "true" feel in the manual mode.
Clutch levers for simple manual feeds.



"Swing away" curved coolant and chip guard protects from flying chips & moves up and out of the way when work is completed.



High accuracy ball screws for both axes and stainless steel cover guards to help protect them and assure long life.

Toolmaker Lathe Advantage . . .

You can expect toolroom precision and versatility from your choice in our *Toolmaker Lathe Series* with our new TML-5Cnc toolroom lathe design or with your precision remanufactured HARDINGE HLV-H[®] lathe.

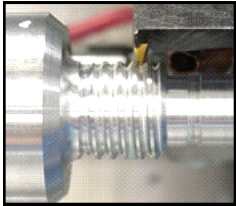
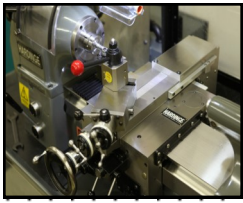
Babin Machine Tool has engineered and built a toolroom lathe system that allows the machinist to perform to a greater level by combining the simplicity of a manual toolroom lathe with the speed, ease, accuracy, and functionality of a CNC.

Easily create programs for single or multiple parts using canned cycles for taper turning, metric or English threading, profile shapes, grooving, boring, deep hole drilling, & more with simple fill-in-the-blank inputs. Tool set-ups are quick with a simple skim cut or tool touch-off.

You may also check your programmed part first using a graphics dry-run on the large 15" color LED display with zoom feature.

Conveniently use the *Toolmaker Lathe* in manual mode with the .0001" resolution DRO display and our innovative dual manual handwheels and feed (jog) clutch levers.

Proven design, standard 5C spindle, tooling, quality components and ease of use all combine to become your perfect *Toolmaker's Lathe*.



15" LED full color display with help icons and dry-run graphics.

Jog panel features: tool check button, axis jog controls, manual or CNC spindle control, feed rate over ride knob & more

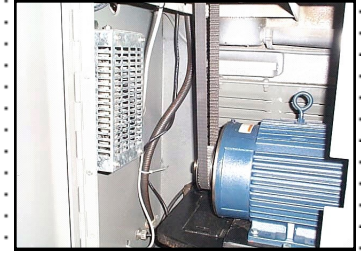
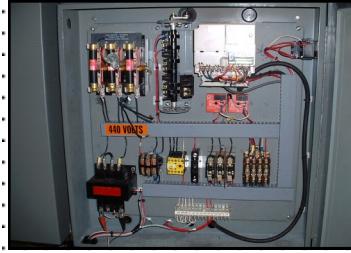


Babin *Toolmaker Lathe Series*

Designed and built in the USA



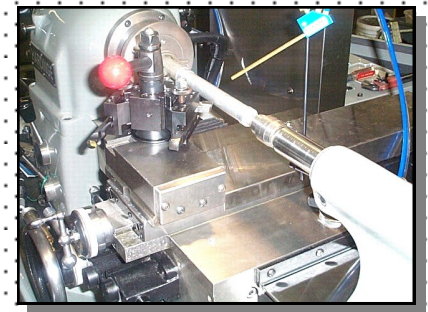
The HARDINGE HLV-H retrofit undergoes a complete rebuild and remanufacture before the major CNC components are fitted. Includes: 3HP EVS spindle drive, new spindle bearings, bedplate reground, hand scraped slideways and gibs, quality paint finish, dual electronic handwheels, precision ball screw assemblies, automatic lubrication system, custom brackets, stainless steel cover guards, limit switches, and much more!



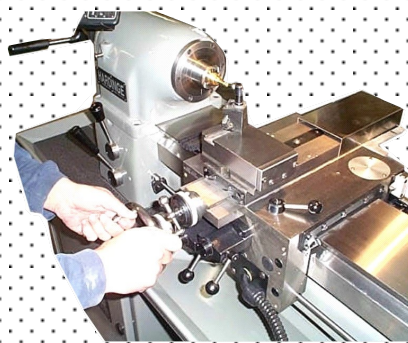
Canned cycles with fill-in-the-blank programming. Large easy view 15" LED display and color graphics.

Specifications . . .

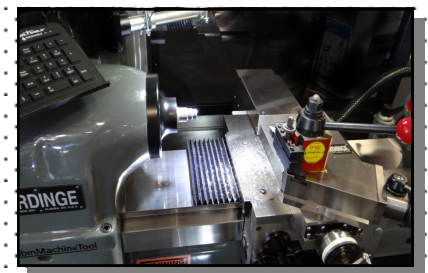
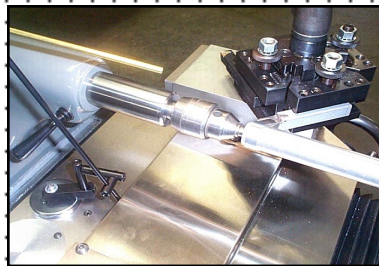
- 3000 RPM, 3HP EVS spindle drive, 5HP opt.
- 11" swing x 16" between centers
- 7" cross slide travel
- #2 Morse taper tailstock
- Precision ground ball screw assemblies
- 5C spindle tooling
- Tapered spindle nose style
- Manual carriage & cross slide handwheels
- Manual snap-up clutch levers for feeds
- Standard and fine hand wheel resolution
- Spindle encoder for threading operations
- Electronic dynamic spindle braking
- Turcite lined carriage and gib surfaces
- USA made CENTROID CNC system
- .0001" resolution programming inputs
- Digital servo drives
- Auto lubrication pump w/low level alarm
- Limit switches for homing sequence



Full bearing tailstock with #2 Morse taper standard



Operation of the Toolmaker Lathe is simple and intuitive in the manual mode. Hand wheels, clutch levers & spindle start/stop lever are all positioned for ease of use.



**High accuracy and quality built into our toolroom lathes. Single piece jobs to 50...
Fast and precise!**

BabinMachineTool

Rebuilding ♦ Retrofitting ♦ Sales ♦ Service
Toolroom - Prototype - Production

14 Upland Road Brockton, MA 02301- 2326
(508) 588-9189 Fax: (508) 588-9121
Email: sales@babinmachine.com
www.babinmachine.com

"You are the only person on this earth who can use your ability."

"If you need a machine and don't buy it, then you will ultimately find you have paid for it, but don't have it" Henry Ford

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