



G&M Distributor LLC **The CNC Model TC650E Lathe**

Machine Specifications:

- ◆ CNC Controlled Turning Lathe
- ◆ 50" Between Centers
- ◆ MachMotion CNC Control for Lathes (can run on 15 amp 110 vac household power)
- ◆ Thomson Precision Rails and Ballscrews
- ◆ 2 Axis System
- ◆ Teco 30 in/lb class AC Servo Motors
- ◆ 3 HP spindle motor; 220 single phase soft start motor
- ◆ Air actuated tailstock
- ◆ Headstock centering device for easy centering
- ◆ Centering punch mounted on side of machine for easy center punching of blanks
- ◆ Double sided carbide blades for easy blade replacement
- ◆ Micro adjustment of steady rest blade
- ◆ Flip up safety guard
- ◆ Heavy steel construction to control vibration
- ◆ Optional square steady rest
- ◆ Vacuum Concentrator hood
- ◆ BobCAD CAD/CAM Design Software Packag

MachMotion CNC Control:

- ◆ X15-250 Model
- ◆ Black Steel Enclosure
- ◆ 17" Color LCD Flat Panel monitor
1024 x 768 with touch screen
- ◆ 160 GB Hard Drive
- ◆ Retractable Keyboard & Track Ball
Mouse
- ◆ 5v and 12v DC Power Connectors
- ◆ MachMotion Switch Panel (Handwheel,
E-stop, Cycle Start/Stop, Feed-rate
Override, Axis Selector)

- ◆ 1 GB RAM
- ◆ Microsoft Windows 7 Operating System
- ◆ Mach3 CNC Software
- ◆ 4 USB Ports



Notes:

- 1-2 days hands on training at CNC facility included in purchase price.
- Freight included in the purchase price. Factory will do loading of machine but customer must have appropriate lifting equipment available to unload machine from truck upon arrival.

Sincerely, Sales Agent: [Geno Vitagliano](#) [G&M Distributor LLC](#) Distributors of Specialty Woodworking Lathes Machinery

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MACHINE SPECIFICATIONS 2 Axis CNC controlled turning lathe 50" maximum capacity between centers 7" maximum turning diameter of round stock 5" maximum turning diameter of square stock 4" maximum turning diameter of stock with steady rest 3 HP spindle motor, 220V single phase Air actuated tailstock Headstock centering device for easy centering Centering punch mounted on machine for easy center punching of blanks Double sided carbide blades for simple blade replacement Micro adjustment of steady rest blade Flip up safety guard Dust extraction hood Heavy steel construction to control vibration Thomson precision linear rails and ball screws Square steady rest (optional) Mach3 control system including flat panel LCD monitor with touch screen (optional) CAD/CAM design software PRE LOADED PROGRAM FOR BATS ,and set up your own in min.

TOOLING INFORMATION : THE KNIVES ARE PLAIN M2 CUTTERS FOND ON COMMON INEXPENSIVE METAL WORKING LATHES Make Baseball Bats or furniture parts in 2 min or less in one pass, CALL OR EMAIL US THE THE SALE PRICE ITS MORE AFORDABLE THEN YOU THINK DELIVERS IN TWO WEEKS OR LESS.

DESCRIPTION

The TC650E MADE IN USA is a 2-Axis CNC controlled wood turning lathe designed for turning spindles, posts, columns, and even baseball bats if that is your finished product. Profiles are designed in CAD/CAM software provided with the machine and stored on the control computer for easy recall. This eliminates the need for changing templates between jobs which can be time consuming and expensive. The lathe can run on three ph or single phase power so it can even run in small workshops or a garage. Standard features include a flip up safety guard and dust extraction hood as well as center punch mounted on the machine.

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F.A.Q.

Question:

1. Can I use cadd files drawn in any program?. I'm assuming as long as you can save them as .dwg or .dxf files you do not need to draw them on the program that comes with the machine. as if we already make cadd drawings and 3d models of all of our bats and I would hate to have to re-draw all of our profiles.

1.Answer:

We have not any had problems transferring dxf files into our cad program works great!

Question:

2. What type of maintenance is needed to keep the machine up and running? An approximate maintenance schedule would be great.

2.Answer:

The only item on the machine that requires any regular maintenance would be the steady rest bearing insert which can be removed, cleaned, and greased periodically. Most customers do this once a week.

Question:

3. What is the cost to replace the cutting knives and approximately how long do they last? (hours of use, or numbers of bats would be great)

3.Answer:

Each cutting knife insert is capable of turning approximately 2500 bats per edge, or 5000 in total if you flip the insert around after one side is worn.

Question:

4.Does that 2500 bat per edge capacity involve manual sharpening of the cutters, or are they carbide or some other type of self sharpening material? Also, How many knives are on the lathe? I'm assuming there has to be at least one before and one after the steady rest? Also what is the cost of a complete set of replacement cutters?

4.Answer:

They are carbide inserts, so when one edge is worn you turn it around and use the other edge. Once both edges are worn you just throw it away and put in a new insert. There are two knives on the lathe, one before and the other after the steady rest just like you mentioned. Each insert is \$20, so you can get a box of 10 for about \$200.00.that comes in at under a penny per bat in cutter costs!