

## **Mazak Cybertech Turn CT-4500M CNC Turning Center**

Powerful, heavy-duty CNC turning center with (M) milling capability is achieved through a live rotary spindle in the machine's 12-position upper turret. Multi-Tasking capabilities allow for turning, milling, drilling and tapping, as well as deep boring up to 40", in a single setup.

Designed for large-diameter, long shaft workpieces, the CYBERTECH TURN 4500M has the rigidity and horsepower for extremely aggressive levels of metal removal. With an ergonomic design, the CYBERTECH TURN 4500M is highly visible, and part setups and programming are fast and easy. There is also a pipe re-threading program option that calculates positions and performs re-threading in a few simple steps.

### **MACHINE CHARACTERISTICS:**

12-position drum turret with 12-turning and/or 12-rotary tools

Built-in premium threading function

Deep hole boring with automatic changer

Fully programmable servo driven tailstock

Mazatrol conversational CNC and/or G code format

Mazatrol PC-Fusion-CNC 640MT Pro Control

3 Jaw Hydraulic Chuck

N-EIA/ISO Option Package

12.1" Color LCD

Milling-Spindle Synchronous Tapping

PCMCIA I/F (2 Slot, Cardbus)

3.5 FDD Unit

Network Interface

Operator Door Interlock with Lock-Switch

Hydraulic Pressure Interlock

Rotary Tool Spindle Speed 3000RPM

C-Axis 0.001 Degree Incr.

Programable Tailstock

Spindle Bore: Dia.320mm(12.5")/750RPM

Windows 2000 Operating System for Mazak Machine Control

High Power Coolant 113psi

Chip Conveyor Side Disposal

Tool Eye (Automatic)

Preparation for rear mtd chuck (21" max dia)

Re-Threading

ENG#29165 Modification to Change 113 psi to 213psi.

new 2006

s/n 185254

## **Machine Specifications**

### **Capacity:**

Maximum Swing: 860 mm / 33.86 in

Maximum Machining Diameter: 810 mm / 31.890 in

Maximum Machining Length: 3107 mm / 122.320 in

### **Main Spindle:**

Maximum Speed: 2400 rpm

Motor Output (30 minute rating): 37 kw / 50.0 hp

### **Turret (Upper):**

Number of Tools: 12

Maximum Speed: 3000 rpm

Motor Output (30 minute rating): 11 kw / 15.0 hp

**Feed Axes:**

Travel (X Axis): 540 mm / 21.26 in

Travel (Z Axis): 3130 mm / 123.23 in

Travel (W Axis): 3050 mm / 120.08 in