



The World's Finest CNC Combination Lathes



### Alpha XT Range - Fancu Oi Mate - TC

All Alpha XT lathes are fitted with the latest Fancu control available on the market today.

The Fancu Oi Mate TC control gives you the option of manual or automatic operation and includes over 200 standard features including Custom Macro B, Rigid Tapping and 256K Part Program Memory. This control will immediately increase your productivity and will continue to do so year after year.

The manual mode employs Fancu's latest version of Manual Programming Turn Mate i which is acclaimed to be the simplest and most user friendly teach lathe control in the world.

In automatic mode we use Fancu's powerful CNC interface for the simple generation and execution of ISO programs.

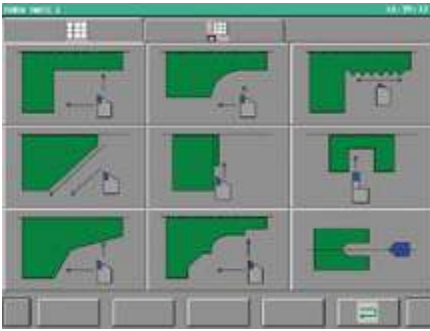
The combination of these two systems on one machine makes the Alpha XT the most capable lathe available in its class.

It will do virtually anything you ask of it!

#### Standard Control Features for Alpha XT - Fancu Oi Mate – TC

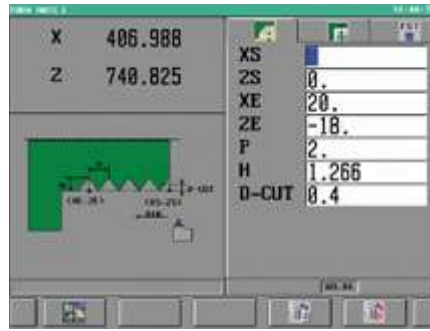
- Thread cutting retract
- Continuous thread cutting
- Rigid tapping
- G code system B/C
- Custom macro B
- Additional custom macro variables
- Chamfering corner R and corner radius
- Inch/metric conversion
- Multiple repetitive cycles
- RS232 interface
- Tool offsets, 64 pairs
- Tool geometry/wear compensation
- Background editing
- Machine alarm diagnostics
- Tool path graphics
- Canned cycles for drilling
- Tool nose radius compensation
- CSS Constant Surface Speed
- Stored stroke limit 2/3
- Stroke limit before move
- Direct drawing program
- Run/hour part count
- Part program memory 256 kB
- Chuck and tailstock barrier
- Optional block skip 9
- Workpiece co ordinate system
- Spindle orientation
- Extended part program edit
- Conversational programming with graphics function
- 10 languages available
- Turnmate i

**Most operators will learn how to use this system in less than half a day!**



**Op. Selection Screen**

The Turnmate i software contains a full range of conversational cycles, (profile, taper, thread, bore, drill, tap etc.) and for the first time you can program full contour machining at the control. What's more, the easy to understand shop floor language coupled with touch screen simplicity means that any operator can learn to machine parts quickly.



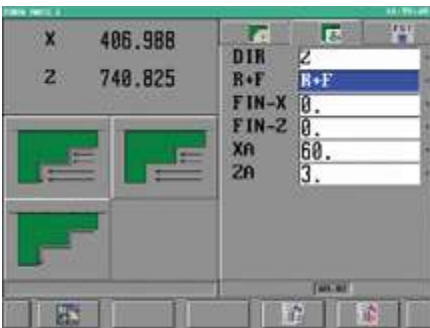
**Op. Execution Screen**

We use a touch screen so you can work directly on screen rather than spend time looking for the right button to press. This system uses easily recognizable screen graphics along with simple question and answer prompts to guide you. During cycle execution, the current cycle is clearly shown on the screen along with speed, feed, tool and axis positional information.



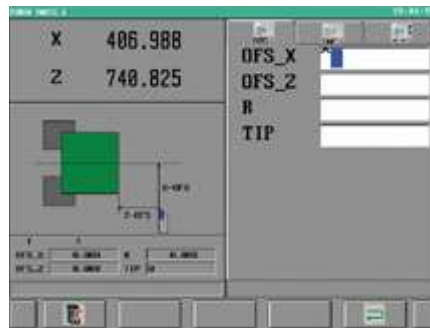
**Data Input Screen**

For ease of programming, cycle data is input from a clearly defined input screen with large text and symbols. To retain continuity with previous Alpha T controls, all cycles can be used in semi-manual mode (cut depth selected by hand wheel) by simply omitting the cut depth from the cycle being used.



**Profile Programming**

Complex contours can be easily produced using clear and understandable icons. Contours are generated using simple elements such as line, arc and chamfer commands.



**Tool Setting**

Tool positions can be easily and quickly set using simple to understand icon driven input screens to assist non-experienced operators.

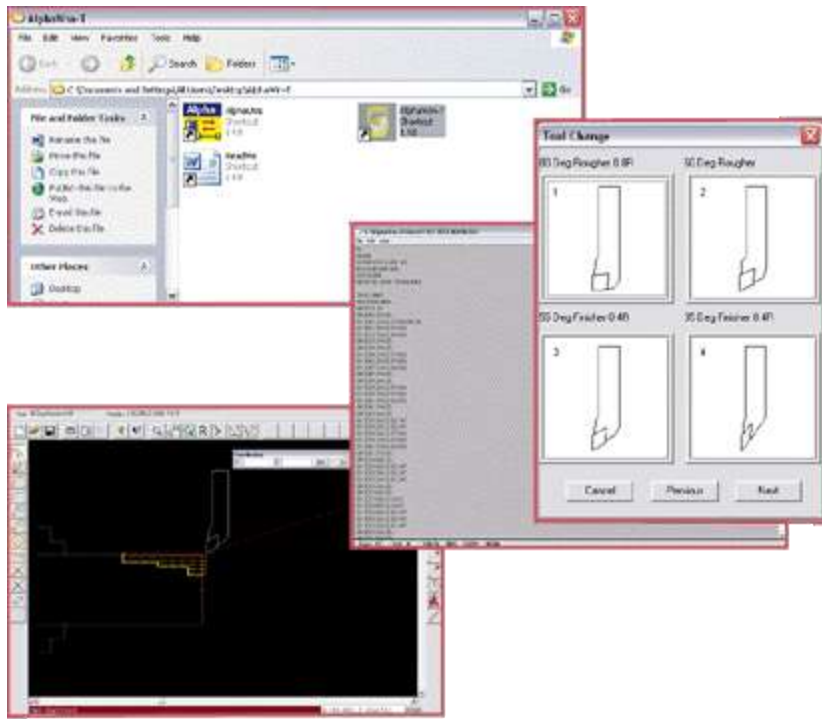


**ISO Programming**

ISO functionality (CNC) allows experienced operators to run programs previously used on other CNC machines and/or generate new programs themselves. An 8 station automatic turret to be offered as an option enabling full automatic machining.

## Alpha Link CAD/CAM For The Alpha X Range

All Alpha lathes are supplied with free Alphaslink CAD/CAM software, a fully Windows compatible system, which greatly increases the flexibility of the lathe. AlphaLink provides a simple yet powerful CAD/CAM system for off-line programming, G code outputting and mass storage back up of programs for all our models. The software is installed onto your own computer for use in the office or home or link directly to the machine.



## ALPHALINK SOFTWARE

1. SIMPLE TO USE
2. FREE WITH ALPHA XT
3. DESIGNED SPECIFICALLY FOR THE ALPHA XT LATHE
4. FULL COMMUNICATION PACKAGE
5. EASY TO USE ISO EDITOR
6. PACKAGE INCLUDES BOTH SOFTWARE DISC AND CABLE
7. FULL ON SCREEN SIMULATION
8. TOOL LIBRARY
9. FULL RANGE OF DRAWING COMMANDS
10. FULL RANGE OF MACHINING CYLES
11. PRINT FACILITY
12. CONVERTS DXF (Data Exchange Format) FILES INTO ALPHALINK DRAWINGS