



# Novamill



- Suitable for all levels of training
- Easy-to-use VR CNC Milling machine software
- Graphical verification of designs prior to machining
  - Complete with manuals and start-up guide
- Cut wax, plastic, acrylic, copper, aluminum, and steel
  - Link to CAD/CAM software





## Novamill

A compact three axis CNC bench milling machine suitable for all levels of training. An optional six station Automatic Tool Changer (ATC) is available.



### **Standard Equipment**

- · VR CNC Milling software
- Machine cable (RS232)
- Manuals
- · Maintenance tools
- Quick Change Tool Holder

#### **Safety Features**

- Emergency stop button
- · Program stop from keyboard
- · Totally enclosed steel cabinet
- · Interlocked guard
- Tool path graphics to verify programs prior to machining
- · Automatic tool retraction and spindle stop for tool changes
- · Axes limit switches

#### **Electrical Details**

Main Supply: 1 Phase, 220/240

or 110/115 VAC

Spindle Motor: 1/2 HP

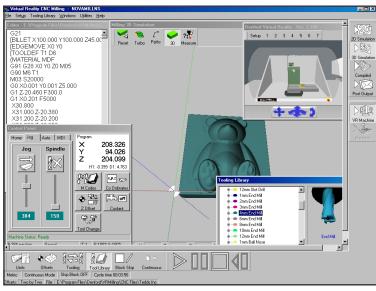
Axes Motors: Stepper Motors 200 steps/rev.

#### **Machine Software Features**

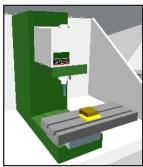
- · Fanuc format programming through a computer keyboard, optional Desktop Tutor, or Fanuc 21i/0-M on-screen operator panels
- 3 axis continuous path
- · Circular & linear interpolation
- Spindle speed override 50-120%
- Feed rate Override 0-150%
- Inch & metric programming
- Subprogramming
- Tool radius compensation
- Circular & rectangular pockets
- Peck drilling cycles
- Manual & programmable machine stops
- · Datum shift
- · Tool Length Offsets
- · Programmable dwell
- Mirror imaging
- Full G & M code and context sensitive help
- Single block or auto execution
- Comprehensive 2D & 3D color simulation, tool path plot, & machining simulation
- · Zoomed or sectional views with rotation
- Programming wizards
- · Virtual CNC machines
- · Virtual measuring tools
- Source Track<sup>™</sup> technology
- · Program merge
- · Full edit mode
- Block skip and search
- Local Area Network integration
- Software can be setup for different languages
- Automatic error checking with messages
- Cycle start/Feed hold
- Absolute or distance-to-go



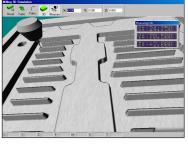
Fanuc 21i-MA & 0-M operator panels



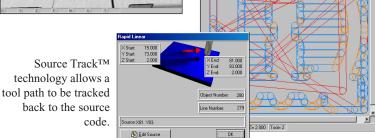




VR CNC Milling machine software offers actual or virtual machine use along with dynamic part simulation.



Virtual measuring tool helps measure the simulated part.



Total Commitment to Manufacturing Technology in Education, Training, and Prototyping Worldwide Denford Inc. • 815 West Liberty Street, Medina, Ohio 44256 • 1-800-886-9750 • Fax: 330-725-3297 Denford Limited • Birds Royd, Brighouse, West Yorkshire, HD6 1NB, England • +44 (0) 1484 712264