

Computer Integrated Manufacturing

Virtual Reality

CNC Software

Technical support

Virtual Reality

DENFORD

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# Triton and Triton Pro



- High powered milling machine for rapid prototyping
- Cut wax, plastic, acrylic, copper, aluminum, and steel
  - Easy-to-use VR CNC Milling machine software
- Graphical verification of designs prior to machining
  - Complete with manuals and start-up guide
  - Link to CAD/CAM software

# Triton and Triton Pro

The Triton and Triton Pro are versatile 3 axis CNC milling machines designed for improved feed rates to meet the increasing demands of 3D machining. Servo and stepper models are available.



## Triton

The standard Triton is a 3 axis CNC Milling machine featuring Stepper motors.

System resolution: .000197 in. (0.005 mm)  
Rapid feed rate: 75 in./min (2000 mm/min)  
Contouring feed rate: 30 in./min (800 mm/min)

## Triton Pro

With the addition of Servo motors, the Triton Pro offers rapid profiling feed rates.

System resolution: .000246 in. (0.00625 mm)  
Rapid feed rates: 200 in./min (5000 mm/min)  
Contouring feed rate: 200 in./min (5000 mm/min)

## Mechanical Details

Working table size ..... 19.7 in. x 6.3 in. (500 mm x 160 mm)  
Longitudinal travel (X axis) ..... 11 in. (280 mm)  
Cross travel (Y axis) ..... 6.3 in. (160 mm)  
Head travel (Z axis) ..... 9.25 (235 mm)  
Spindle to table ..... 16.8 in. (275 mm)  
Spindle to column ..... 7.6 in. (194 mm)  
Spindle taper ..... ISO30  
Tooling ..... BT30  
Spindle Speed (programmable) ..... 250-4000 rpm  
Spindle speed override potentiometer ..... 50-120%  
Feed rate override potentiometer ..... 0-150%  
Machine Length ..... 57 in. (1450 mm)  
Machine Depth ..... 32.3 in. (820 mm)  
Machine Height ..... 38.3125 in. (930 mm)  
Machine Weight ..... 517 lbs. (235 kilos)

## Standard Equipment

- VR CNC Milling software
- Software & Machine Manuals
- Machine Cables
- Interlocking guard
- Spindle and feed override
- Tool kit
- Spare Fuses

## Safety Features

- Emergency stop button
- Program stop from keyboard
- Totally enclosed steel cabinet
- Enclosed & interlocked guard
- Tool path graphics to verify programs prior to machining

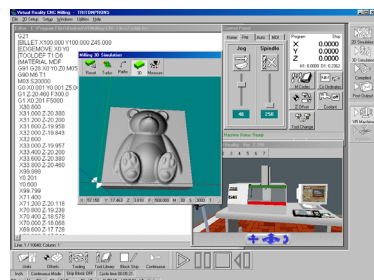
## Electrical Details

Voltage: 110 volts 60 Hz  
Electric Current: 15 Amps  
Spindle Motor: 1.1 kW DC  
1.5 HP

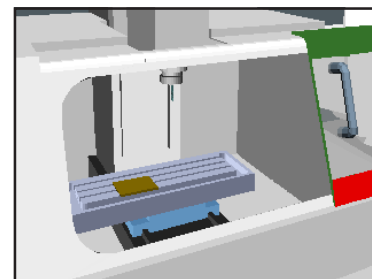
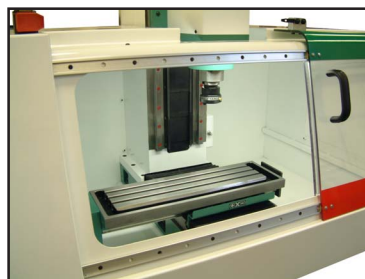


Dynamic 2D & 3D simulation

Fanuc 21i-MA & 0-M operator panels



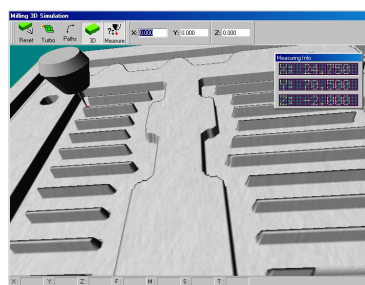
Computer and machine bench sold separately. Please refer to the VR CNC Milling literature for more information on the machine software.



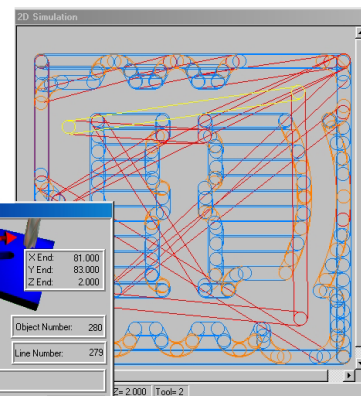
VR CNC Milling machine software offers actual or virtual machine use.

## Controller Features

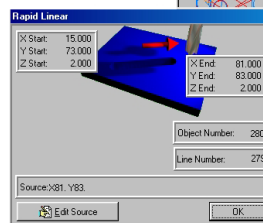
- True emulation of control including Editor, offsets, manual control, jogging, and homing
- Standard windows or Fanuc 21i/0-M control interface
- Full CNC file editing
- 2D and 3D simulation
- Virtual reality mode
- Tooling library



Virtual measuring tool helps measure the simulated part.



Source Track™ technology allows a tool path to be tracked back to the source code.



## To get you up and running...

Denford also offers a range of tooling packaging, workholding kits, and machining material such as aluminum, steel, signfoam, MDF, and plastic.

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