

## REQUIREMENTS FOR PR#4200265702

3+ axis CNC vertical machining center  
3 axis X,Y,Z with field installable 4<sup>th</sup> axis optional  
High pressure through the spindle coolant (231 psi)  
Chip conveyor left hand side  
Automatic tool length measurement Renishaw TS27R system  
Synchronized tapping  
Spindle load detection  
Cylindrical interpolation  
High speed look ahead.  
Additional 300 pairs of work coordinates  
Detachable manual pulse generator.

Approximate Table Size..... 51" x 22"

X-Axis Stroke..... 14"

Y-Axis Stroke..... 20.0"  
Z-Axis Stroke..... 20.0"  
Spindle Face to Table Surface(Min/Max).... 5.91"/25.98"  
Maximum Table Weight Capacity..... 2,500 LBS  
Spindle Speed ..... 12,000 RPM  
Spindle Motor (5MIN/10MIN/30MIN/CONT.)25/20/15/10.2 HP  
Spindle Taper ..... #40  
Rapid Traverse (X,Y,Z) Min..... 1400 IPM  
Number or Tools..... 30  
Maximum Tool Diameter..... 3.15"  
Maximum Tool Diameter (Adjacent Pockets)... 4.92"  
Maximum Tool Length..... 13.78"  
Maximum Tool Weight..... 17 LBS.  
Tool Select Method..... RANDOM  
Tool Change Time Max.(Chip to Chip).... 3 SEC (1,000 RPM)  
..... 6 SEC (12,000 RPM)  
Power Supply (5 MIN/CONT)..... 41.6/25.9 Kva

### ADDITIONAL REQUIRED FEATURES:

Conversational programming  
G-Code Programming  
2 USB Ports  
Ethernet  
32 Alphanumeric Characters for easy program recognition

Sub-Micron increment Input  
Nano Contour Control  
Virtual Machining  
Voice Advisor  
Intelligent Thermal Shield  
Intelligent Safety Shield  
Tapping / Boring Tornado  
Spindle Cooler  
Power Transformer included  
Auto Pecking with Load Detection  
CD ROM Optimizer