



## NW Series Technical Specifications

### Tables:

	Axis Travel:		
	X	Y	Z
NW510 - 60" x 120"	113"	128"	14"
NW512 - 60" x 144"	113"	152"	14"
NW516 - 60" x 192"	113"	200"	14"
NW520 - 60" x 240"	113"	248"	14"
NW105 - 120" x 60"	172"	68"	14"
NW125 - 144" x 60"	195"	68"	14"
NW255 - (2) 60" x 60"	172"	68"	14"
NW265 - (2) 72" x 60"	195"	68"	14"
NW266 - (2) 72" x 72"	195"	80"	14"

- Additional worktable sizes, travel, and configurations are available
- Material: Cast, precision machined aluminum

### Axes:

Three (3) linear axis – Single-table models  
 Four (4) linear axis – Twin-table models  
 C-Axis optional

### Feedrate / Traverse:

Up to 3150 ipm

### Machine Tolerances:

Unidirectional Positioning Repeatability:  
 +/- 0.0003"  
 Unidirectional Positioning Accuracy:  
 +/- 0.0008"

### Router Spindles:

13.5 KW (18 HP) Ceramic bearing electro-spindle  
 Cartridge type  
 1,000 to 20,000 RPM  
 HSK-63F—Quick change

### Tool Changer:

Twelve (12) position dynamic ATC

### Indexing Saw:

90° x 90° Indexable  
 7.5 HP, 1" Arbor  
 10" Max. blade diameter  
 1.25" Max. blade width

### Boring Block:

13 Spindle — 5 x 8 (all vertical)  
 19 Spindle — 5 x 8 (vertical)  
 4 + 2 (horizontal)

### Machine Control System:

GE Fanuc 210i or 160i MB with integrated PC  
 10.4" Color "Touch Screen" monitor  
 Windows® 2000 Operating system  
 1.44MB Floppy drive  
 24xCD-ROM  
 10/100 Ethernet adaptor  
 10GB Hard drive

### Vacuum System:

Forty (40) HP Travaini vacuum pump  
 520 CFM @ 29.3 in. Hg.  
 10 Micron inlet filter / Exhaust muffler-filter

### Training:

- Operation, Programming & Maintenance – at Northwood's Machine Technology Center (3 days)
- Northwood Quick-Start On-Site Training (2 days)

### Options:

Matrix (universal) table – Composite or Aluminum  
 Reverse air flotation system  
 360° Fully contouring C-Axis  
 Aggregate retention rings  
 HSK—63F Tool holder w/collet  
 Touch Probe  
 AlphaCAM®  
 (Additional options available – not shown)

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