



NW Custom Series Technical Specifications

Tables:

	Axis Travel:		
	X	Y	Z
NW510CS - 60" x 120"	113"	128"	14"
NW512CS - 60" x 144"	113"	152"	14"
NW516CS - 60" x 192"	113"	200"	14"
NW520CS - 60" x 240"	113"	248"	14"
NW105CS - 120" x 60"	172"	68"	14"
NW125CS - 144" x 60"	195"	68"	14"
NW255CS - (2) 60" x 60"	172"	68"	14"
NW265CS - (2) 72" x 60"	195"	68"	14"
NW285CS - (2) 96" x 60"	240"	68"	14"
NW2105CS - (2) 120" x 60"	240"	68"	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
 Center Adjusting 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

Molder / Shaper:

Infinitely Variable Rotation
 7.5 HP

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
 Servo-Controlled Saw
 Touch Probe
 AlphaCAM®
 (Additional options available – not shown)

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