

N**ORTHTECH**

Machine, LLC

NT-525 Shaper



(Shown NT-525)

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NORTHTECH

Machine, LLC

NT-525 Shaper

- **NT-525** 5HP, 1PH Spindle Shaper with Fixed Table (Factory Ordered)
- **NT-525** 5HP, 3PH Spindle Shaper with Fixed Table

Options:

- NT-525LMC (factory ordered)
- Sliding table with 8 rollers bearings .
- Tilting spindle assembly (-5° -45°) .
- Tilting Spindle / Sliding Table .
- M10 Digital Readout - Height, Tilt , Fence Position .
- Voltage Change
- State side 1PH single rotation voltage change
- (1) Tool box
- Warranty is one year parts
- All machines are tested stateside prior to shipment providing trouble free start up.



(Shown NT-525)

* Any shipping date quoted by Northtech is an estimation based on factory delivery. Northtech cannot guarantee delivery, nor do we assume any liability for delays or non-shipment arising from any cause. Pictures are for reference only, design and specifications of all Northtech Products sold are subject to change without notice.*

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OUTSTANDING FEATURES

INTERCHANGEABLE SPINDLES:

Choice of 3 spindle diameters (3/4", 1", 1-1/4") or choice of metric sizes- 19mm, 25.4mm, 30mm. Spindle has MK5 taper to ensure precision fitting and allow quick change-over.

QUICK CHANGE SPINDLE SPEEDS:

The spindle is driven by a four-speed dynamically balanced pulley for spindle speeds of 3000, 4500, 7500 and 10000 RPM. Change of speed is quick and easily accomplished by simply loosening a lock lever, and shifting the belt to the required speed setting.

REVERSIBLE SPINDLE ROTATION :

The spindle is reversible to ensure safe rotation in clockwise or counter-clockwise direction as well as providing the ability to climb cut glued panels.

SPINDLE RAISING:

The spindle is raised or lowered by a graduated handwheel, providing 1mm elevation per full revolution. Quick clamp lever positively holds spindle at a set height.

TABLE INSERTS:

The spindle is fitted with 2 insert rings (6-3/8" & 8-5/8") permitting for use of a wide variety of shaper cutters and spindle speeds.

FENCE:

The fence assembly is attached with a 4" diameter outlet dust hood. The fence halves can be precision adjusted by micrometric adjustment knob with 0.008" graduation.

TABLE:

The massive table is made from high quality cast iron (FC-25 grade) and undercast ribbing is engineered for maximum strength and long term table stability. Table surface is precision ground and polished.

ROUTING OPERATION:

The MK5 taper on the spindle accepts a router collet system, providing maximum flexibility all in one shaping and routing machine.

SLIDING TABLE:

The sliding table is an integrated system providing maximum accuracy and effortless cutting effect. Tenoning attachment is included as a standard feature.



NT-525

- * Fixed table model
- * Table area 700x900mm (27-1/2"x35-1/2")
- * 5HP 3PH standard



NT-525S

- * Sliding table model
- * Table area 700x900mm (27-1/2"x35-1/2")
- * 5HP 3PH standard

SPECIFICATIONS

	NT-525 / NT-525S		NT-525T / NT-525TS	
Model #:				
Spindle Dia.	3/4", 1", 1-1/4" (19mm, 25.4mm, 30mm)			
Spindle Speed	3000 / 4500 / 7500 / 10000 rpm			
Taper of Spindle	MK5			
Spindle Motor	5 HP (7.5 HP opt.)			
Spindle Travel	130mm (5")			
Spindle capacity under nut	3-1/4", 3-3/4", 4-1/2" (3/4", 1", 1-1/4" spindle)			
Tilting Angle —	-5°~90°~+45°			
Max. Table Insert Diameter	220mm (8-5/8")			
Table Size	700 x 900mm (27-1/2" x 35-1/2")			
Table Height	900mm (35-1/2")			
Sliding Table Size	900 x 230mm (35-1/2" x 9")			
Sliding Table Travel	830mm (32-1/2")			
Fence Size	125 x 900mm (4-15/16" x 35-1/2")			
N.W.	695 lbs(316kgs)	744 lbs(338kgs)	695 lbs(316kgs)	744 lbs(338kgs)
G.W.	854 lbs(388kgs)	915 lbs(416kgs)	854 lbs(388kgs)	915 lbs(416kgs)
Packing Dimensions	42"(L) x 38"(W) x 50"(H)		42"(L) x 42"(W) x 50"(H)	

STANDARD EQUIPMENT:

- Magnetic switch with overload protection
- Reversing switch
- Choice of spindle size: Specify spindle diameter when ordering. (Optional spindles available)
- Spring hold downs:
- Vertical set of two steel shoes.
- Horizontal set of two steel shoes.
- 2 Table inserts-(6-3/8" & 8-5/8")
- Precision fence with 4" cast iron dust outlet
- Service tool kit
- All electrical components are UL/CSA approved for U.S. installation
- Parts & Operation Books

OPTIONAL EQUIPMENT:

- Digital display
- * Routing operation
- * Spindle front guard
- * Optional spindle size available



NT-525T

- * Tilting spindle model
- * Table area 700x900mm (27-1/2"x35-1/2")
- * 5HP 3PH standard



NT-525TS

- * Tilting spindle with integrated sliding table model
- * Table area 700x900mm (27-1/2"x35-1/2")
- * 5HP 3PH standard