

NORTHTECHTM
Industrial Machinery

Single End Tenoning Machine

NT-152 Series:

•NT-152A •NT-152B •NT-152C •NT-152P



Single End Tenoning

FEATURES:

TENON CUTTER HEAD

Both top and bottom tenon heads can be individually or simultaneously vertically adjusted. Individual cross adjustment in 1" distance. Helical and straight tenon cutter heads on the 152 series provide excellent quality results on a range of materials.

COPE HEAD

For fitting with pattern cutter producing various end patterns. Cope spindle may be vertically or crosswise adjusted. Vertical movement distance is 140mm, Forward and backward movement distance is 100mm.

CUT OFF SAW

The saw mechanism is mounted in front of tenon heads for cutting stock to the desired length. Sawblade may be vertically adjusted. Saw head accepts 12" maximum blade diameter.

SLIDING TABLE

Table slides on precision machined "V" ways, precise sliding accuracy is assured. The bearing support permits for effortless hand moving of table.

EXTENDABLE ALUMINUM RULER

Equipped with two work stops for convenient repetitive cutting.



NT-152A

- Especially suited for cutting tenons for window and door frames, chairs, but not ideal for cutting general joint tenons.
- Cope spindle is directly driven by motor, 3600 RPM spindle speed.
- Handles maximum 10" diameter cutter



NT-152B

- The ST-152B tenoner is similar to ST-152A, but features a cope spindle.
- Suited for cutting tenons for window and door frames, and cutting general joint tenons.
- Cope spindle is driven by pulley providing 6000 RPM, allowing for faster spindle shaper production.
- Cope spindle accepts general shaper cutters.



NT-152C

- The most powerful feature of the 152C is the two cope spindles fitted with a cope cutter head.
- Upper and lower cope cutterheads included standard, fitted with four 60° corrugated stock knives.
- Permits for cutting long and complex tenons, such as door casements.

Machine



NT-152C

Choice of cutter heads for best results:

- **Helical cutterhead is best for hard materials.**
- **Straight cutter head is best for soft materials.**



HELICAL TENON CUTTER HEAD

- With scribing saw



STRAIGHT TENON CUTTER HEAD

- With scribing knives



NT-152P

- The two tenon spindles are offset arranged for upgrading cutting accuracy.
- No cope spindle
- Excellent for picket fence production
- Heavy cutting capacity



EXTENDABLE ALUMINUM RULER

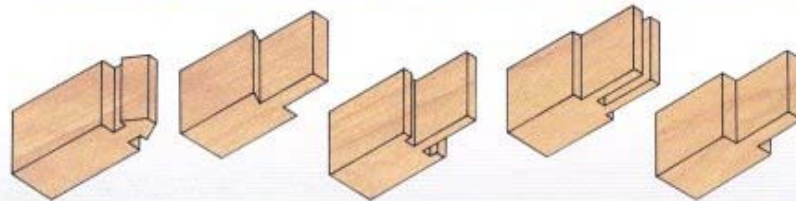
Use the extendable aluminum ruler to measure the required length of the workpiece. Two work stops are used to set the desired length.



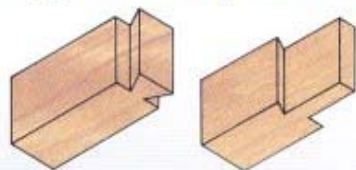
SAWBLADE GUARD & DUST FILTER

An added sawblade guard offers added safety for the operator. A filter screen is provided in front of the dust hood to prevent chips from entering into the dust collector.

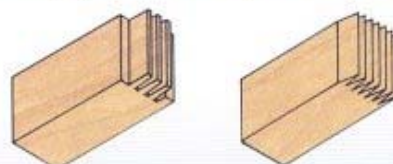
Entire Series can Produce Following Tenons...



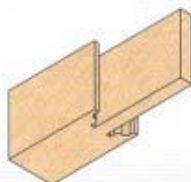
Specially produced by NT-152A



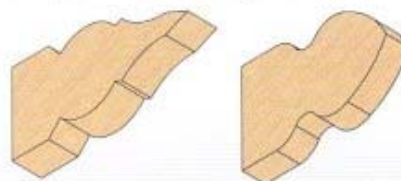
Specially produced by NT-152B



Specially produced by NT-152C



Specially produced by NT-152P



SPECIFICATIONS:

MODEL		NT-152A	NT-152B	NT-152C	NT-152P
Maximum tenon cut	Length	152 mm	152 mm	152 mm	152 mm
	Width	370 mm	370 mm	370 mm	370 mm
	Thickness	127 mm	127 mm	127 mm	127 mm
Max. tenoning cutterhead size		Ø110 mm (dia.) 152 mm (long)	Ø110 mm (dia.) 152 mm (long)	Ø110 mm (dia.) 152 mm (long)	Ø110 mm (dia.) 152 mm (long)
Max. shaping cutter size		Ø10"	Ø6 3/8"	Ø6 3/8"	-
Max. sawblade diameter		Ø12"	Ø12"	Ø12"	Ø12"
Spindle diameter	Tenon spindle	Ø1 1/4"	Ø1 1/4"	Ø1 1/4"	Ø1 1/4"
	Cope spindle	Ø1"	Ø1 1/4"	Ø1 1/4"	-
	Saw spindle	Ø1 1/4"	Ø1 1/4"	Ø1 1/4"	Ø1 1/4" or 40 mm
Spindle speed	Tenon spindle	3400 RPM	3400 RPM	3400 RPM	3400 RPM
	Cope spindle	3600 RPM	6000 RPM	6000 RPM	-
	Saw blade	2800 RPM	2800 RPM	2800 RPM	2800 RPM
Motor horsepower	Saw & tenon head	5 HP	5 HP	5 HP	7.5 HP
	Cope head	5 HP	7.5 HP	5 HP x 2	-
Sliding table area		1280 x 450 mm	1280 x 450 mm	1280 x 450 mm	1280 x 450 mm
Net weight		530 kgs	600 kgs	780 kgs	460 kgs
Gross weight		650 kgs	720 kgs	870 kgs	580 kgs
Machine dimensions (L x W x H)		1680 x 1840 x 1150 mm	1680 x 1840 x 1150 mm	1680 x 1840 x 1150 mm	1680 x 1840 x 1150 mm
Packing dimensions (L x W x H)		1700 x 780 x 1400 mm	1700 x 780 x 1400 mm	1700 x 780 x 1400 mm	1700 x 780 x 1400 mm

• All specifications and design characteristics shown in this catalogue are subject to change without prior notice.

NORTHTECH
Industrial Machinery

844 East Jefferson Street Louisville, KY 40206

TEL: (502) 719-0015 FAX: (502) 719-0014

Web site: www.northtechmachinery.com

E-mail: sales@northtechmachinery.com

Exclusive Importer / Distributor
Northtech Industrial Machinery

Sold & Serviced by: