

# Northfield

## UNDER TABLE CUT-OFF SAWS

### Models 612 & 1012



Side view showing arbor wrench for tightening the loose saw collar. A pin is provided for arbor lockup during blade changes.

Shown:  
Model 1012  
(right hand)



10" x 12"  
Capacity 32"  
Blade  
(not included)

For cutting lumber,  
non-ferrous metals,  
plastics & composites

PROFIT THROUGH AMERICAN TECHNOLOGY  
 **WOOD MACHINERY  
MANUFACTURERS  
OF AMERICA**  
MEMBER

# Feature-Full *Northfield* UNDER TABLE CUT-OFF SAWS



The Models 1012 & 612 are semi-automatic compressed air actuated under table cutoff saws. The blade remains in the heavy sheet steel base until the guard has the workpiece clamped. The guard remains clamped through the cut cycle until the blade is back in the base. This protects the operator from flying debris and any kickback. These saws are suitable for cutting lumber, non-ferrous metals, plastics, and various composite materials through minor changes in blade speed and feed rate.

## Stabilized Upper Guard

The steel guide and brass bushing stabilized upper guard virtually eliminates workpiece movement during guard clamping. By minimizing guard crab which is common on single cylinder saws, accuracy and repeatability of cut are enhanced.



## 4-Step Cutting Cycle

1. Operator starts cycle via palm air switch, air cylinder on guard clamps stock to table top.
2. Air switch senses guard clamping pressure which sends blade up to make cut.
3. At completion of cut, blade lowers to home position.
4. When blade is in home position, air switch signals guard to unclamp.

*Note: The cutting cycle can be interrupted at any time by removing a hand from a palm button.*

### No Loose Belts

Motor moves with the saw arbor. The motor is mounted on the swing carriage with the saw arbor, eliminating alignment problems and loose belts at the end of cuts that plague machines where the motor is suspended off the bottom of the table top and does not move.

### TEFC Motors

Totally enclosed fan cooled motors, full-size NEMA rated magnetic starters, and 110 volt at push button is standard equipment.

### Stressproof Steel Arbor

mounted in Timken type pillow block bearings to control end play and provide extreme shaft rigidity. Three Vee belts assure full power transmittal and years of maintenance free service.

### Lube System & Air Over Oil Feed

A pump type Lennox™ lube system with two nozzles can be provided for non-ferrous cutting. An air switch permits the coolant to flow only when the saw is cutting, keeping coolant pooling to a minimum. Air over oil feed allows for an infinitely adjustable feed rate via a front panel mounted flow control valve.

### Double Palm

#### Anti-Tie Down Available

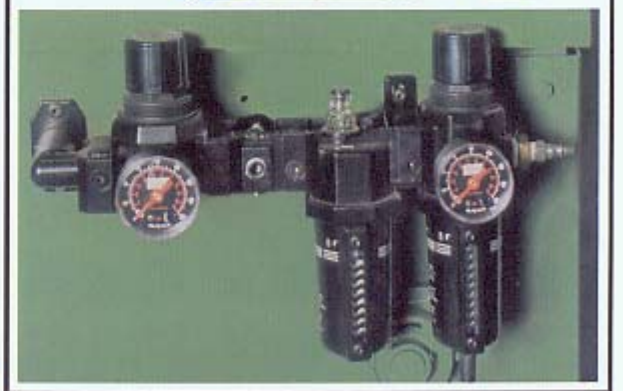
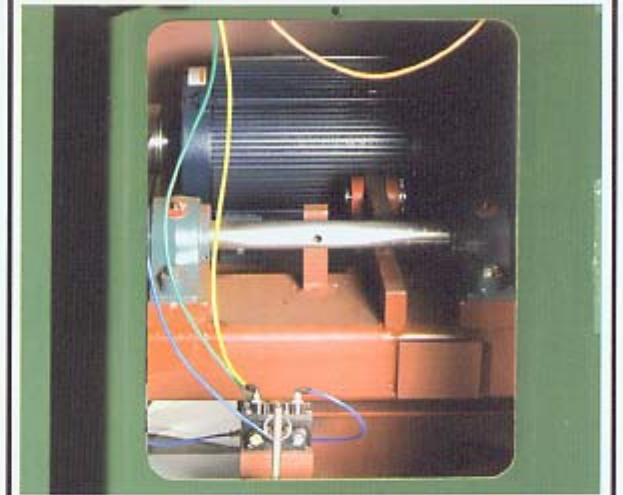
Double palm anti-tie down actuation. This means that both palm buttons must be actuated simultaneously for the clamping-cutting cycle to begin. Eliminates the possibility of an operator mechanically tying down one button and operating single handed. Both hands must be on the palm buttons.

### Plate Steel Base

with cast iron table & aluminum throat plate provide maximum blade containment.

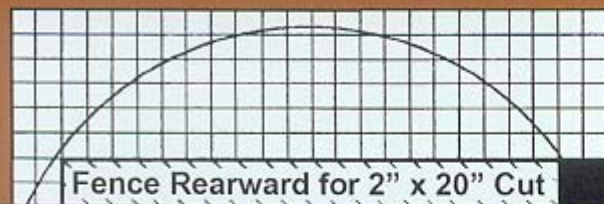
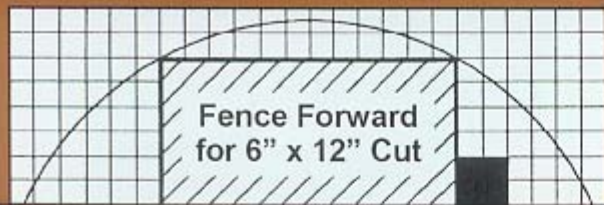
### Dual Regulators

to control clamping and cutting pressures are provided along with a filter/water trap and drip type lubricator.

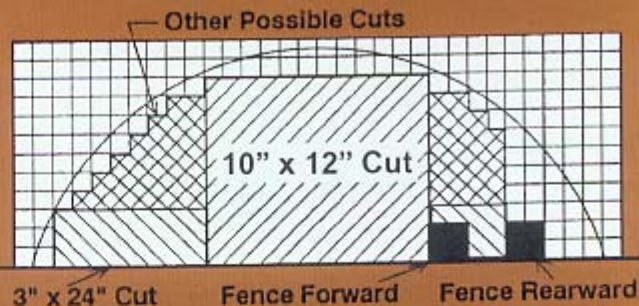


Rolling Tables and  
Drop Off Tables with  
Graduated Stop Bar  
are available.

### 612 Cut Combinations (24" blade)



### 1012 Cut Combinations (32" blade)



## SPECIFICATIONS

## MODEL 612

## MODEL 1012

Table Height .....	36"	36"
Table Top .....	34" x 49"	34" x 49"
Arbor Motor .....	15 hp 1800 RPM TEFC 230/460/60/3 .....	15 hp 1800 RPM TEFC 230/460/60/3 .....
Electrical .....	Magnetic Starter with 110 volt at push button in NEMA 1 enclosure .....	Magnetic Starter with 110 volt at push button in NEMA 1 enclosure .....
Air Equipment .....	3" x 8" stroke cylinder Filter, Regulator & Lubricator single palm switch—Air operated .....	3" x 8" stroke cylinder Filter, Regulator & Lubricator single palm switch—Air operated .....
Saw Arbor .....	1-1/4" Stress-proof steel with 6" saw collars 1800 RPM, Timken Bearings, Vee Belt Drive .....	1-1/4" Stress-proof steel with 6" saw collars 1350 RPM, Timken Bearings, Vee Belt Drive .....
Saw Blade .....	24" Diameter, 1-1/4" Bore .....	32" Diameter, 1-1/4" Bore .....
Cut Capacity .....	6" Thick x 12" Wide fence forward 2" Thick x 20" Wide, fence rearward .....	10" Thick x 12" Wide, fence forward 2" Thick x 14" Wide, fence rearward .....
Operating Speed .....	15 CPM at max blade elevation .....	10 CPM at max blade elevation .....
Sawdust Outlet .....	4" Diameter, Rear exit 400 CFM .....	4" Diameter, Rear exit 400 CFM .....
Shipping Weight .....	1600 lbs. (1850 lbs. export, 105 cu. ft.) 44" x 55" x 74"H .....	1700 lbs. (1950 lbs. export, 115 cu. ft.) 44" x 55" x 80"H .....

## EXTRAS – For Both 612 & 1012

Two palm control—anti tie down  
 NEMA 12 Electrics with fusible disconnect  
 Infeed roller table 10 ft. long  
 Outfeed graduated stop bar with four stops 8 ft. long  
 Additional stops  
 Air over oil feed for non ferrous cutting  
 Lennox™ lube coolant system for blade, pump type, two nozzles  
 Pressure switch on upper guard cylinder - replaces mechanical switch  
 24" Blade 80 tth 10° hook ATB 1-1/4" Bore  
 32" Blade 60 tth 15° hook ATB 1-1/4" Bore  
 Outfeed dropoff table 10 ft. with 1" graduated stop bar & four stops

2" high plain fences  
 5" high plain fences  
 Steel decks on Tables  
 10° tilt base for upcut saw  
 10° tilt brackets for tables  
 Mount ledges for TigerStops™  
 Special Voltages & Hz  
 Custom Roller Conveyors

# Northfield

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