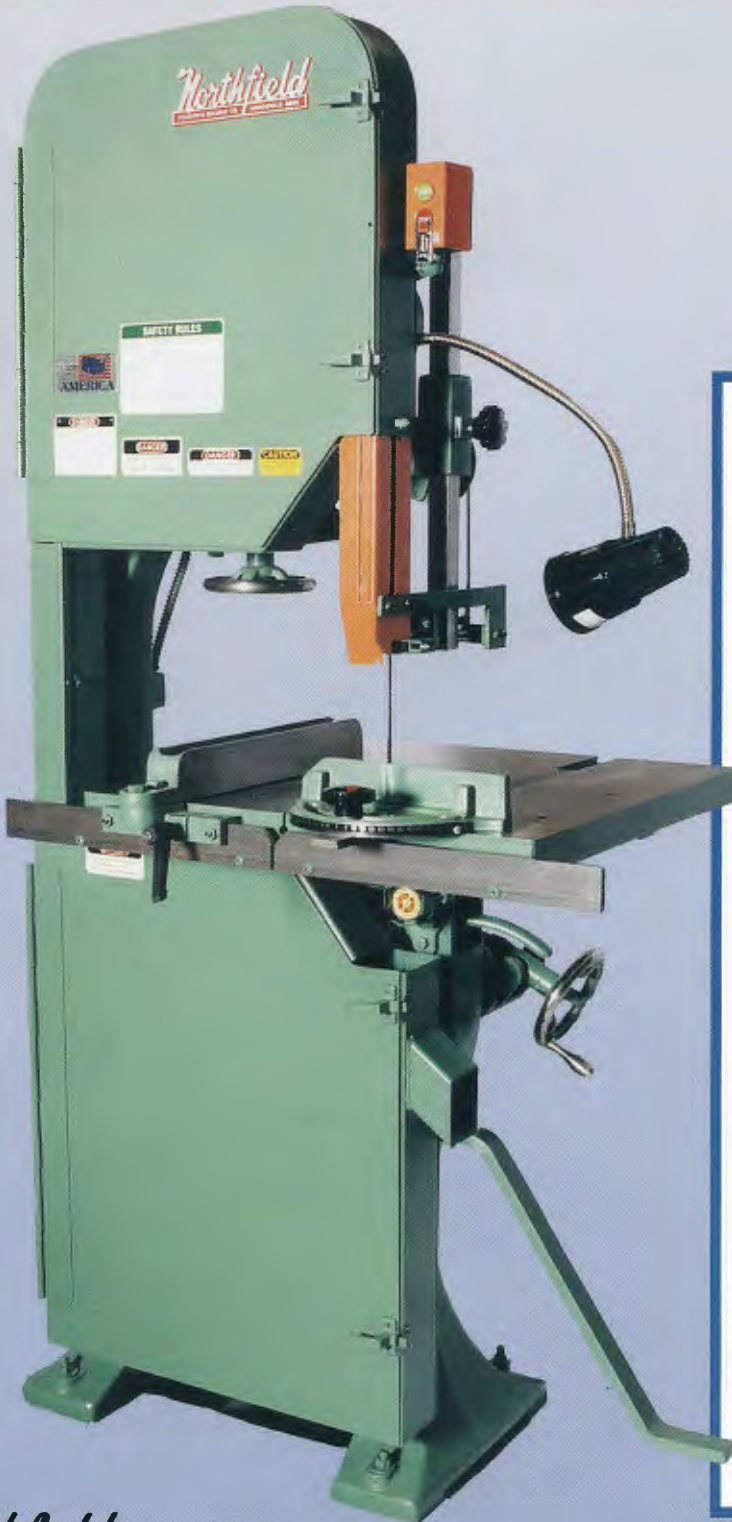


# Northfield

# Heavy Duty 20" BANDSAW



### Advanced Design

NORTHFIELD Bandsaws undergo a constant process of testing and refinement to maintain the highest standards of precision, speed, dependability, appearance and value.

### Quality Manufacture

NORTHFIELD Bandsaws are built to exacting quality standards in every detail. They are solid, smooth-running machines. Each Bandsaw is electronically balanced for vibration-free performance.

### Heavy Duty Frame

High strength cast iron frames with wide, ribbed feet give a solid stance and absorb vibration.


### Machined and Ground Tables

Tables are thick and also heavily ribbed – machined and ground – and are equipped with removable, replaceable table inserts.

### Heavy Table Rocker

Oversize cast iron table rocker assures positive locking at any angle. Table tilts by means of screw and nut tilting device.

**Northfield** Direct Motor Drive  
20" Bandsaw with double face rip fence,  
Miter Gauge with Dovetail slot and worklight.

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

# Northfield STATE-OF-THE-ART FEATURES

**Heavy One Piece Cast Iron Frame** is hollow cored for strength and rigidity.

**Aluminum Alloy Disc Wheels** use endless neoprene tires which are epoxy adhered, crown ground and balanced to enhance blade tracking.

**Long, Rigid Heavy Duty Quills** use sealed for life bearings and stressproof steel shafts. The top quill is adjustable to easily control blade tracking.

**Sensitive Saw Straining Device** is of knife edge spring lever design which absorbs shock and provides proper tension. An easily read tension indicator is provided.

**Heavy Steel Wheel Guards** provide maximum blade containment yet allow fast and easy blade changes. The guide post guard adjusts with the upper guide.

**Ball Bearing Guides** are used both above and below the tables.

## **Braking Options**

- 1. Lower Wheel Foot Brake** is standard equipment. A switch can be added to turn off the drive motor upon application of foot brake.
- 2. Two Wheel Mechanical Brakes** are also available.
- 3. Upper Wheel Auto Electric Brakes** can be added that automatically shuts down the drive motor and applies a fail safe brake to the upper wheel in the event of blade breakage or the blade running off the wheels. This braking action also activates from the stop station or application of foot brake.
- 4. Two Wheel Auto Electric Brakes** provide the finest failsafe braking system used on any Bandsaw. This is available on any Bandsaw with a factory installed motor. Both wheels automatically brake when 1) stop button is pressed, 2) foot pedal is activated, 3) blade breaks, or 4) blade runs off wheel.

**Single Roller Resaw Fence**

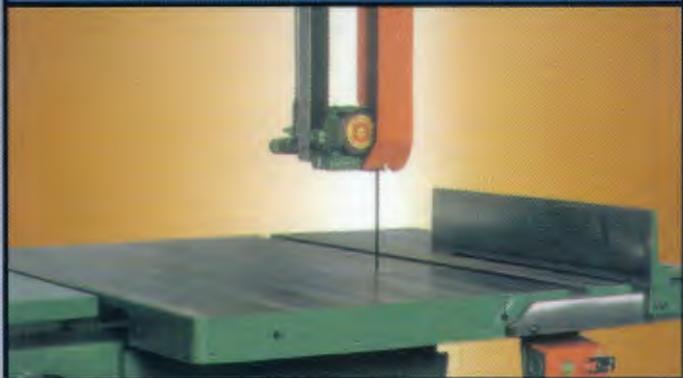


**11 - Roller Resaw Fence**

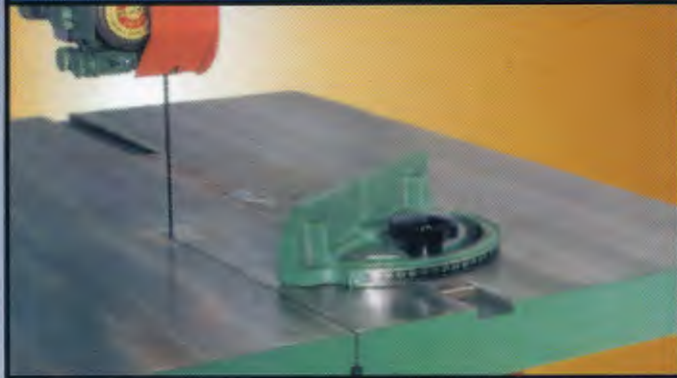


**Constant  
Speed Belt  
Drive with 24"  
Underguide  
Capacity**

**Single Face Rip Fences (left & right)**



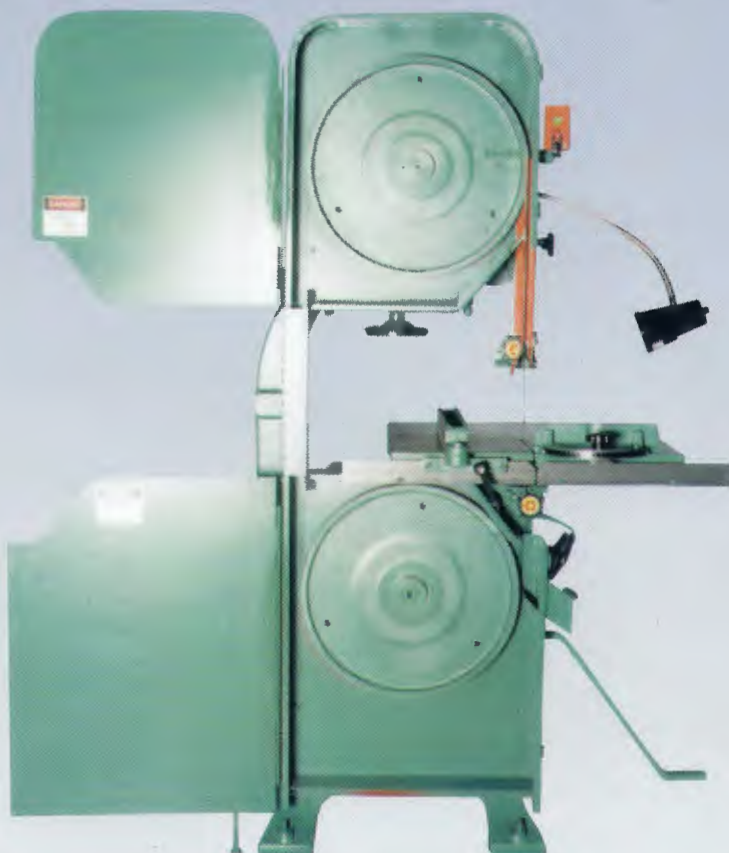
**Miter Gauge with Dovetail Slot**



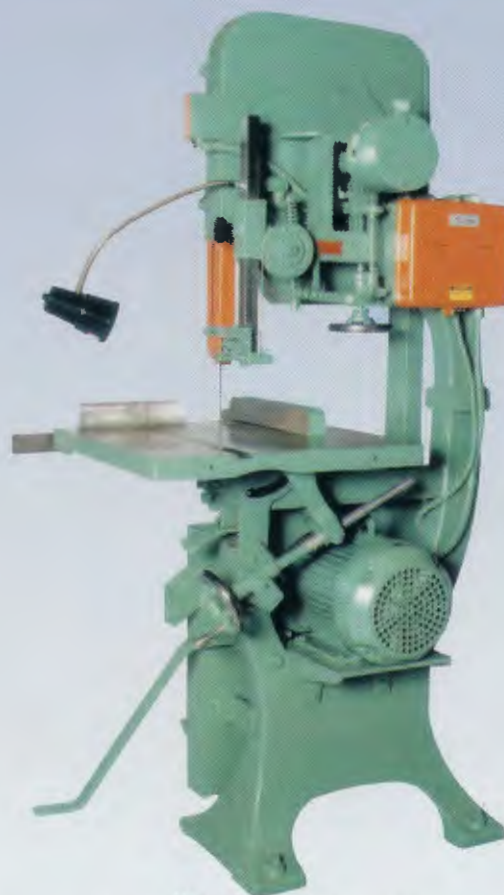
**Double-Face Rip Fence**



**Circle Cutting Attachment**



**Front view of 20" Heavy-Duty Bandsaw showing wheels & guard interiors.**



**Rear view of 20" Heavy-Duty Bandsaw showing Direct Motor Drive configuration.**

## SPECIFICATIONS

Wheel Face .....	1-3/8"
Table Size - cast iron .....	25" x 25"
Front Edge of Table to Teeth of 3/8" Blade .....	9-1/2"
Cap. Under Guide .....	14"
Table Tilts to Right .....	45°
Table Tilts to Left .....	5°
Horizontal Cap. ....	19-1/2"
Table Height .....	39-1/2"
Wheels .....	Aluminum Disc with Neoprene Tires
Brakes .....	Lower Wheel, Foot- Operated
Guides .....	Carter CP Size # 0
Voltage .....	208, 230/460, 575, 60 HZ 3 Phase
Floor Space .....	40" x 30"
Domestic Shipping Wt. ....	950 lbs.
Export Shipping Wt. ....	1200 lbs.
Cubic Export Crate Size .....	74 cu. ft.
Wheel Circumference .....	20" wheel dia.= 5.236 ft.
Dust Outlet .....	3" W x 3-3/4" H Use 4" pipe
Machine requires approx. 400 CFM air flow for dust collection	

### DRIVE PACKAGES - All motors TEFC

#### Direct Motor Drive, 3-phase only

2 HP -	900 RPM
2 HP -	1200 RPM
3 HP -	900 RPM
3 HP -	1200 RPM
5 HP -	900 RPM
5 HP -	1200 RPM

#### Belt Drive Single Speed

2, 3, 5, & 7-1/2 HP - Minimum 300 RPM, Maximum 1500 RPM  
Speeds lower than 300 RPM contact factory  
Single phase, 220 volt available in belt drive only

#### 3:1 Variable Speed Drive Assembly

3, 5 & 7-1/2 HP available in the following ratios:  
200 to 600 RPM  
300 to 900 RPM  
400 to 1200 RPM  
500 to 1500 RPM

#### 6:1 Variable Speed Drive Assembly

3, 5 & 7-1/2 HP available in any 6:1 range below 1500 RPM

#### 40:1 Variable Speed Drive Assembly

3 & 5 HP available in any 40:1 range below 1200 RPM

### To Calculate Blade Speed in FPM

Multiply RPM x 5.236'

1200 RPM x 5.236' = 6283 FPM

900 RPM x 5.236' = 4712 FPM

300 RPM x 5.236' = 1570 FPM

### Standard Equipment

Foot brake, magnetic starter, 110 volt at push button,  
3/8" blade, Carter size #0 guides, neoprene tires, table  
alignment pin, 2 manuals

## Extras for all 20" Band Saws

- Hand Resaw Attachments
- Work light, 110V, plugs into customer's 110V receptacle,  
or work light 110V - 100W using transformer in  
starting box.
- Miter Gauge with straight slot
- Rip fence, single face (specify right or left side of blade)
- Large crosscut gauge with dovetail slot
- Rip fence, double-face for use on both sides of blade
- Switch for stopping power on application of foot brake
- NEMA 1 & NEMA 12 electrics with fused disconnect
- Blade welders
- Air nozzle assembly, connects to customer's airline
- Paddock Guides, Wright Guides, Guideall 400 Guides
- Two-wheel foot operated mechanical brakes
- Circle cutting attachment
- Left-hand machines
- 18", 24" & 36" under guide
- Upper wheel automatic electric brake includes  
automatic tension control
- Lower wheel automatic electric brake

# Northfield

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