

# Northfield

## 3-WHEEL 50" THROAT BAND SAW-BELT DRIVE

### 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.



FRONT VIEW  
with Standard 48" x 96"  
Sheet Steel Table

*Advanced Bandsaws for the Wood,  
Plastic and Metal Industries*

PROFIT THROUGH AMERICAN TECHNOLOGY  
 WOOD MACHINERY  
MANUFACTURERS  
OF AMERICA  
MEMBER

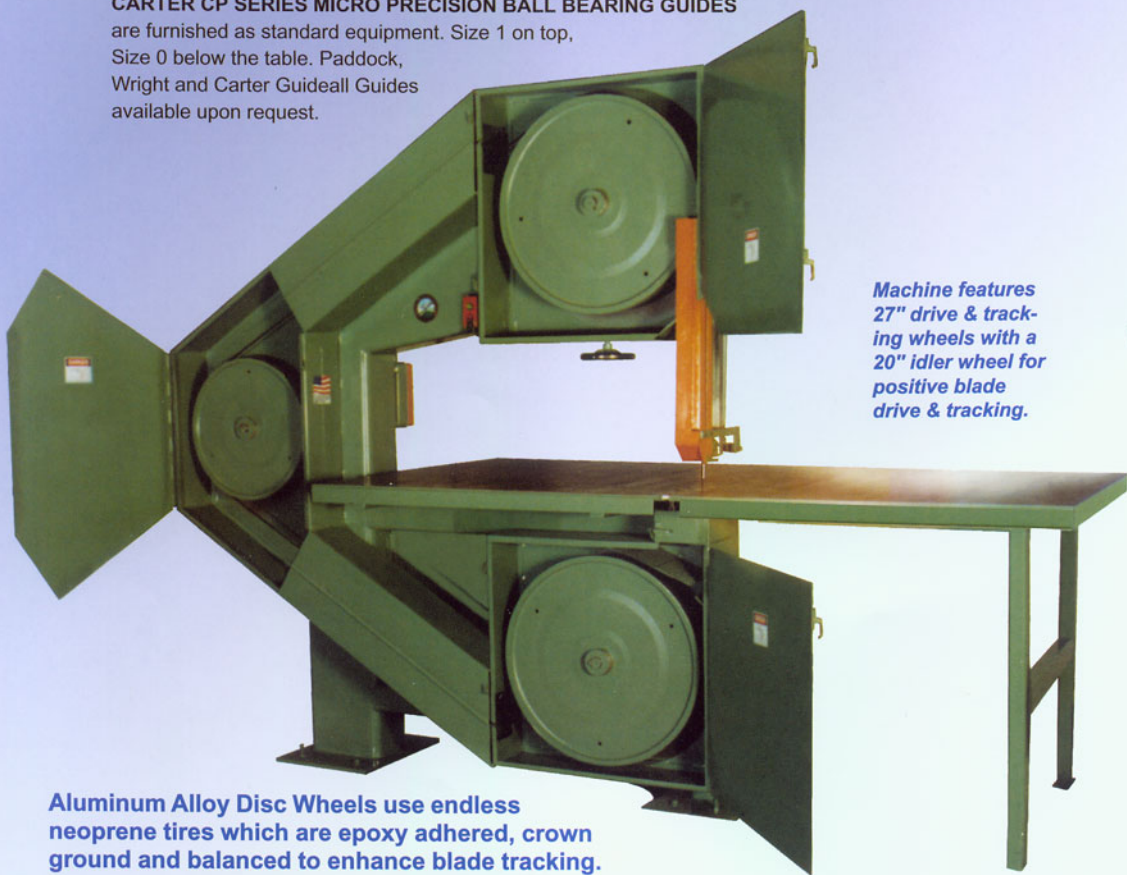
# FEATURE-FULL *Northfield* BAND SAWS

**LONG, RIGID, HEAVY-DUTY QUILLS** use large, sealed-for-life ball bearings and high quality spindle steel. Top quill is adjustable for accurately and easily tracking the blade.

**STREAM-LINED, HEAVY STEEL REINFORCED GUARDS** are of pleasing design and noiseless construction. The guide post guard adjusts with the guide to give maximum protection.

**SENSITIVE, POSITIVE SAW STRAINING DEVICE** consists of a very sensitive knife edge spring lever arrangement which absorbs shock and provides proper tension. Tension indicator is easily read.

**CARTER CP SERIES MICRO PRECISION BALL BEARING GUIDES** are furnished as standard equipment. Size 1 on top, Size 0 below the table. Paddock, Wright and Carter Guideall Guides available upon request.



*Machine features 27" drive & tracking wheels with a 20" idler wheel for positive blade drive & tracking.*

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

PROFIT THROUGH AMERICAN TECHNOLOGY



**WOOD MACHINERY  
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## DRIVE PACKAGES All motors TEFC

### Belt Driven Single Speed

3, 5, 7-1/2, 10 & 15 HP – Minimum 300 RPM,  
Maximum 1200 RPM

For speeds lower than 300 RPM contact factory.

### 3:1 Variable Speed Drive Assembly

3, 5, 7-1/2, 10 & 15 HP available in the following ratios:

200 to 600 RPM

300 to 900 RPM

400 to 1200 RPM

### 6:1 Variable Speed Drive Assembly

3, 5, 7-1/2, 10 & 15 HP available in any 6:1 range below  
1200 RPM

### 40:1 Variable Speed Drive Assembly

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



Rear view  
Constant Speed  
Belt Drive

## *Right and Left Hand Band Saws*

NORTHFIELD 3-Wheel Band Saws are available in RIGHT and LEFT HAND configurations.

This allows you to solve any flow of material problems your facility layout or product design may pose.

In addition, under guide heights of up to 36" make NORTHFIELD  
the most adaptable band sawing machine on the market.

### Braking Options

#### Upper Wheel Auto Electric Brake (STANDARD)

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.

Two Wheel Auto Electric Brakes provide the finest fail safe braking system used on any Band Saw. This is available on any Band Saw with a factory installed motor. Both wheels automatically brake when 1) stop button is pressed, 2) blade breaks, or 3) blade runs off wheel.

*Drive Assemblies for Cutting Wood,  
Metal, Plastics, Etc.*





Saw shown with no table.

## TABLE OPTIONS

The saw can be ordered with various table options such as:

**NO TABLE:** for integration with custom table/conveyor systems.

**MIK6 48" x 96" ALUMINUM TABLE:** in which miter gauge or tracking grooves can be machined for alignment of fixturing.

**LARGE 50" X 50" CAST IRON ROLLING TABLE:** This table mounted to the right of the blade allows large or heavy workpieces to be accurately supported and cut. A stationary 48" x 48" sheet steel table is provided to the left between the blade and column.

*An optional hydraulic feed with infinitely adjustable feed rates to 50 fpm is available to provide push-button controlled cutting of the most unweildly workpieces. Large fences and hold down clamps can be provided.*

## SPECIFICATIONS

Wheel Face .....	1-1/2
Table Size .....	48 x 96 Sheet Steel
Front Edge of Table to Teeth of 3/8" Blade .....	12"
Capacity Under Guard .....	15"
Horizontal Capacity .....	50"
Table Height .....	42"
Wheels .....	Aluminum Disk 27"
Brake .....	Upper Wheel Auto Elec
Guides .....	Carter CP Size 0
Blade .....	One 3/8" Furnished
Voltages .....	208-230 / 460-575
Circumference of 27" Wheel is 7.068'	
Height .....	95"
Floor Space .....	50" x 125"
Domestic Shipping Wt .....	3500 lbs.
Export Shipping Wt .....	4000 lbs.
Cubic Export Crate Size .....	480 cu. ft.
3-phase standard, 110 volt at push button standard	

## To calculate blade speed in FPM:

Multiply RPM x 7.068'  
 1200 RPM x 7.068 = 8481 FPM  
 900 RPM x 7.068 = 6361 FPM  
 300 RPM x 7.068 = 2120 FPM

## EXTRAS

Left-hand machines, 24" and 36" under guide, constant speed belt drive assemblies, 3:1 variable speed drive assemblies, 40:1 variable speed drive assemblies, Nema 12 electric, work light, miter gauge with square slot, miter gauge with dovetail slot, single face rip fence, double face rip fence, blade welders, air nozzles, hand resaw attachments, Paddock guides, Wright guides, rolling tables, circle cutting attachments, single phase belt drive motors, aluminum tables.

# Northfield

## FOUNDRY & MACHINE CO.

320 North Water Street  
 P.O. Box 140  
 Northfield, Minnesota 55057 USA

PHONE: 507-645-5641  
 FAX: 507-645-4005  
 E-mail: northfield@rconnect.com



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