

**SUPPLY, DELIVER & INSTALL CTE LARGE EQUIPMENT  
ADDENDUM NO. 1****Project:** Waltham High School **Project No.** 16030**Owner:** City of Waltham  
610 Main Street  
Waltham, MA 02452**Architect/Equipment Consultant:**Symmes Maini & McKee Associates (SMMA)  
1000 Massachusetts Avenue  
Cambridge, MA 02138  
617-547-5400; FAX 617-354-5758**Date:** 02/14/2024

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This addendum forms a part of the Contract Documents and modifies the original Invitation to Bid (BID #BD-24-1169-WLTHM-97885) dated 02/05/2024. Portions of the Invitation to Bid not altered by this addendum remain in full force.

Changes are indicated in the text below.

Acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

**CHANGES TO INVITATION TO BID**

1. Page 2
  - a. Bid address, bold in third paragraph: CHANGE the following text from: “1/12, 2024” to “**02/20/2024**”
2. Page 14
  - a. INSTRUCTIONS TO BDIDERS Paragraph 1.2
    - i. ADD the following text at the end of the paragraph: “The following Equipment Sections will be delivered to and installed in program spaces that are located on Level 3, which will require carrying equipment up one level of stairs: **Health**. No large equipment is required to be delivered to and installed on Level 4. All other Equipment Sections in this bid package will be delivered to and installed on Levels 1 or 2, both of which are accessible from grade at one end of the building or the other and will not require carrying up stairs. A loading dock will be available only at Level 1, where the following program spaces are located: **Auto Collision, Auto Tech, Cosmetology, Graphics, HVAC**”

**CHANGES TO EQUIPMENT BID FORMS**

3. Auto Technology
  - a. AT-25
    - i. CHANGE Make & Model from “8945008-8” to “8945008”
4. Carpentry
  - a. CC-23 / CC-23A
    - i. CHANGE Make & Model from “CRMHDSK001” to “CRMHDSK001 – 10’ TOWER, 36” BASE, 36” ARM, 36” XBRACE HORIZONTAL”
  - b. CC-29
    - i. CHANGE Make & Model from “S612” to “S612-1”
5. Electronics
  - a. EL-01
    - i. CHANGE Manufacturer from “Diversified Woodcrafts” to “Little Giant”
  - b. EL-08
    - i. CHANGE Make & Model from “Delux” to “Deluxe 2 Door Cabinet, 36”W x 24”D x 78”H, Unassembled, Medium Grey”
  - c. EL-11
    - i. CHANGE Make & Model from “APRS - 30110 Bins” to “APRS - 30110 Bins, 36.75W x 12”D x 60.25”H”
  - d. EL-12
    - i. CHANGE Item Description from “PORTABLE EXHAUST” to “PORTABLE EXHAUST – SOLDERING”
6. Graphics
  - a. GC-22
    - i. ADD Quantity “1”
  - b. GC-27
    - i. CHANGE Manufacturer from “MBM” to “Knight”

- ii. CHANGE Make & Model from “FC 10” to “DK3 Mug Press”
- c. GC-34
  - i. CHANGE Make & Model from “H-1138” to “H-1138, Maple Top – Round Edge”
- d. GC-35
  - i. CHANGE Make & Model from “H-1137” to “H-1137, Maple Top – Round Edge”
- e. GC-36
  - i. CHANGE Make & Model from “H-6864” to “H-6864, Maple Top – Round Edge”
- f. GC-37
  - i. CHANGE Item Description from “PORTABLE EXHAUST” to “PORTABLE EXHAUST – LASER ENGRAVING”

**ADDITIONAL ATTACHMENTS:**

1. AT-24 New Oil Dispensing Bar System – Detailed Cut Sheet provided for reference. Append to the end of Equipment Section – Auto Tech.
2. AT-25 Flammable Storage Cabinet – Detailed Cut Sheet provided for reference. Append to the end of Equipment Section – Auto Tech.
3. CC-03 Band Saw - Detailed Cut Sheet provided for reference. Append to the end of Equipment Section – Carpentry.
4. CC-08 Jointer - Detailed Cut Sheet provided for reference. Append to the end of Equipment Section – Carpentry.
5. CC-27 Table Saw - Detailed Cut Sheet provided for reference. Append to the end of Equipment Section – Carpentry.
6. MS-07 Wire Bender – Detailed Cut Sheet provided for reference. Append to the end of Equipment Section – Makerspace.

END OF ADDENDUM NO. 1



\*Image of product is representative only and may not depict actual product shipped.

## **Samson** 454100 "Beer-Tap" Style Oil Pump for 55 gallon drum

### Description

Special 2:1 pressure ratio air operated Oil dispensing pump with outlet spigot for dispensing lubricants from 55 gallon drums.

### Includes:

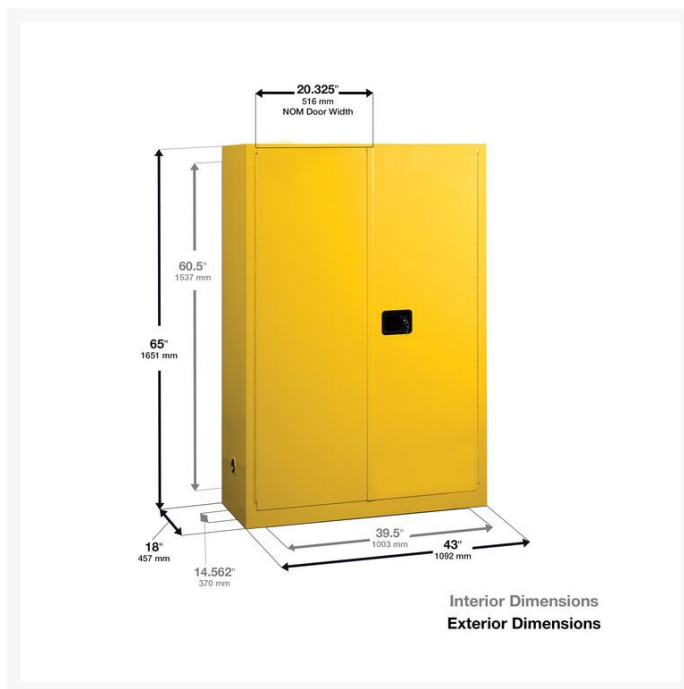
- 352 220: 2:1 pressure ratio pump.
- 368 108: Suction tube for 55 gal drums.
- 736 462: Oil tray with 2" NPT (M) and BSP (M) bung adapter.
- 361 100: Oil spigot valve

Very nice pump with a built-in shelf to hold your oil container.  
Smooth operation with little splash.



# 45 Gallon, 2 Door, Manual Close, 9 Can, Safety Cabinet with Cans Combo, Sure-Grip®, Yellow - 8945008

## Product Images



## Short Description

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- Cabinet and can value package
- Available in 30-gallon (114L) cabinets with six cans or 45-gallon (170L) cabinets with nine cans
- Manual or self-closing doors

## Description

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Yellow flammables cabinets with U•Loc™ padlockable paddle handle, Haz-Alert™ labeling and SpillSlope™ shelves are combined with our popular 5-gallon, Type I safety cans for an unbeatable value. Value packages are available in 30-gallon (114L) cabinets with six cans, or 45-gallon (170L) cabinets with nine cans.

## Specifications

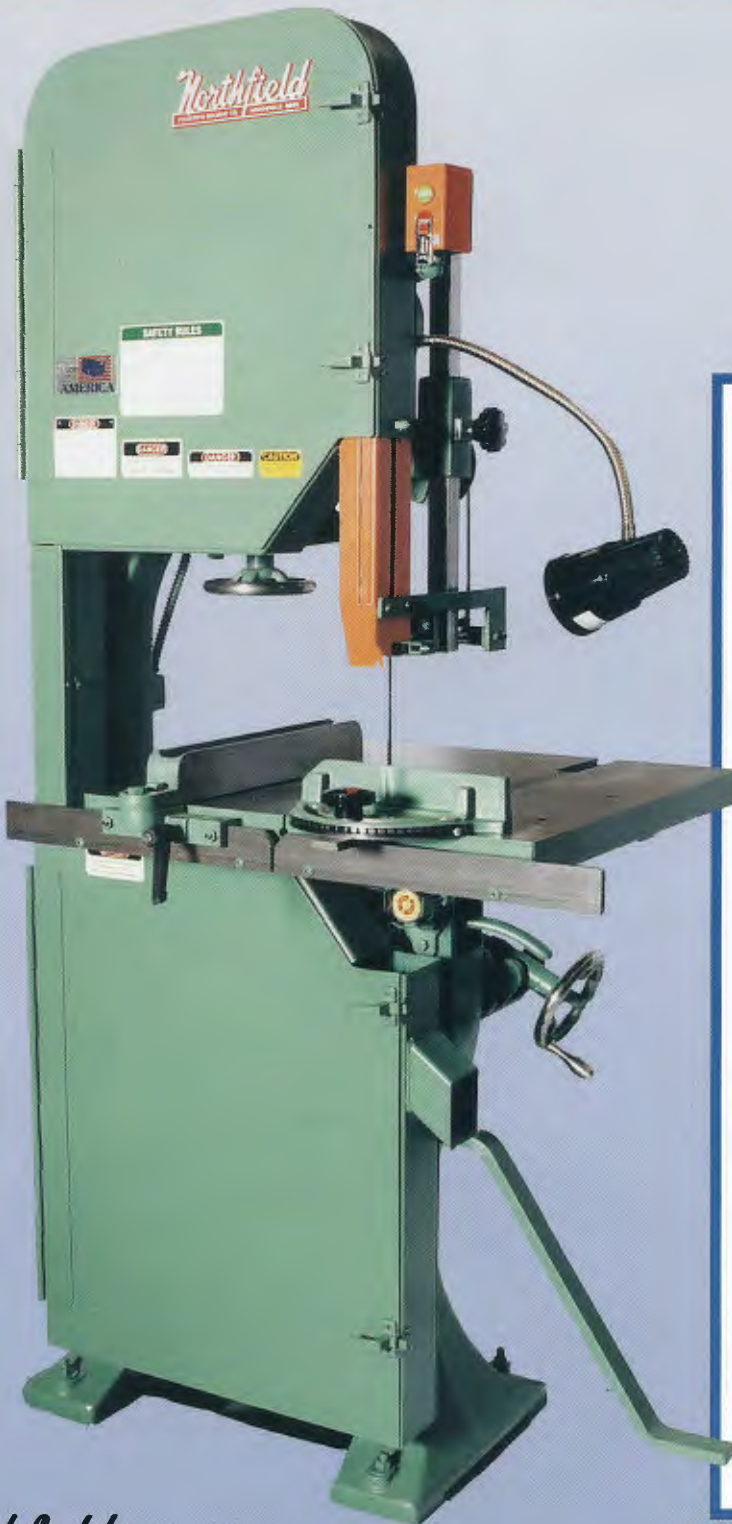
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Model No	8945008
UPC	697841120914
International Model No.	8945008
Color	Yellow
Material Specifications	18-Gauge Steel
FM Approval	Yes
OSHA Compliance	Yes
Complies with NFPA Code 30	Yes
Capacity	45 gallon
Liter Capacity	170
Number of Doors	2
Door Type	Manual
Number of Shelves	2
Adjustable Shelves	Yes
Dimensions, Exterior	65" H x 43" W x 18" D
	1651mm H x 1092mm W x 457mm D
Dimensions, Interior	60.5" H x 39.5" W x 14.6" D
	1537mm H x 1003mm W x 370mm D
Height (Inches)	65
Width (Inches)	43
Depth	18
Net Weight, lbs	320.3
Net Weight, kg	145.3

# Northfield

# Heavy Duty 20" BANDSAW

CC-03



### 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**

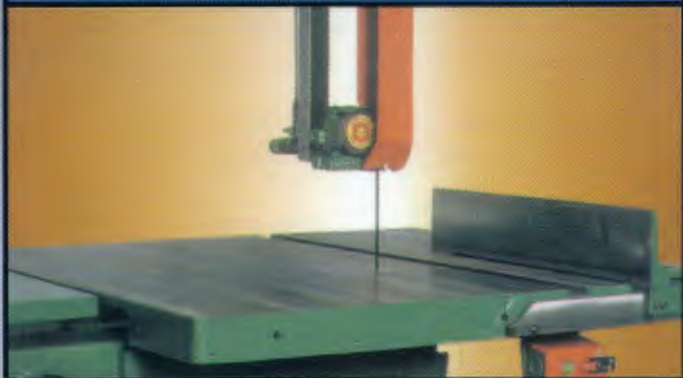


**11 - Roller Resaw Fence**



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

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



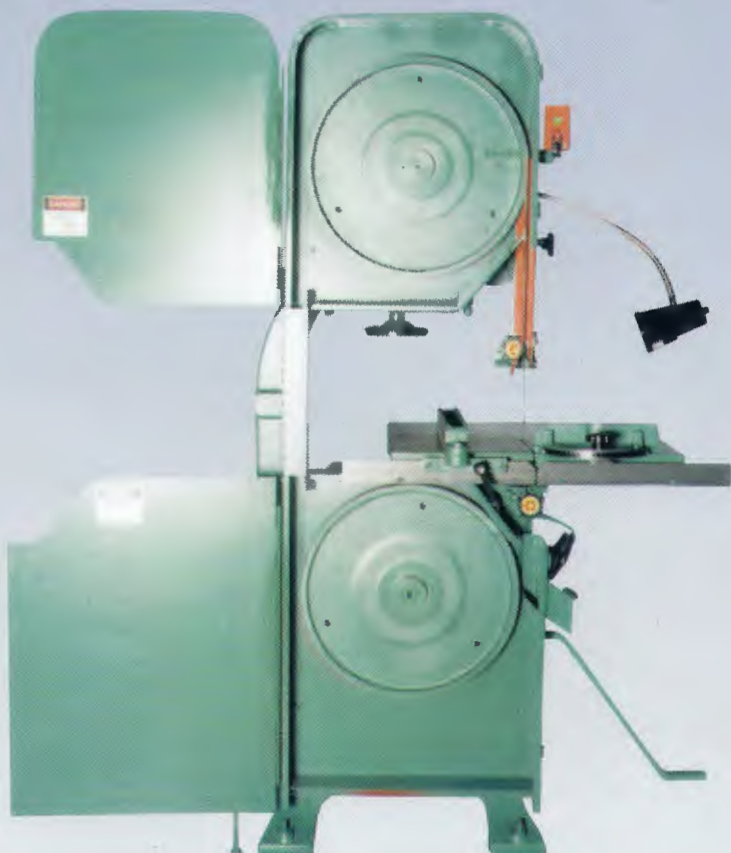
**Miter Gauge with Dovetail Slot**



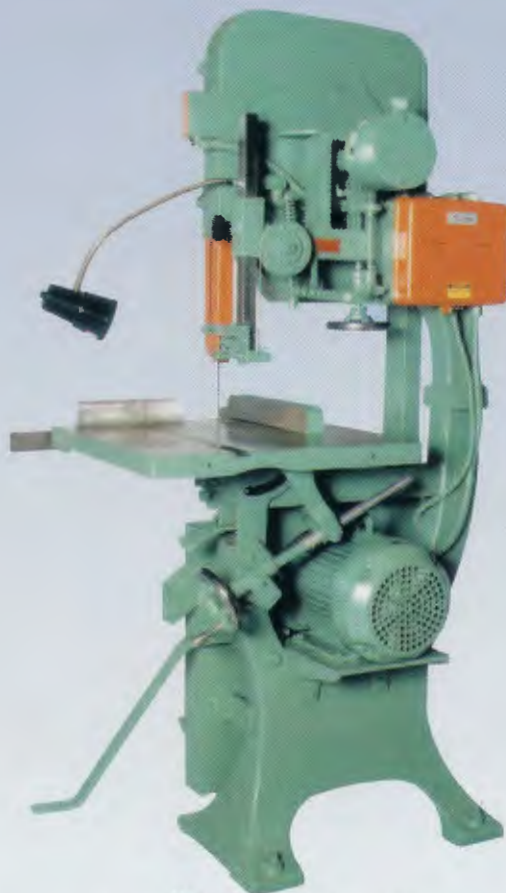
**Double-Face Rip Fence**



**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

**MACHINERY BUILDERS, INC.**

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

Phone: (507) 645-5641  
Fax: (507) 645-4005



# Northfield

Medium  
Duty

Eight & Twelve Inch  
**JOINTERS**

*For accuracy, speed, precision & trouble-free dependability*

**CC-08**



*12" Medium Duty Jointer*

*Northfield Medium Duty Jointers  
are designed and built for production and educational  
work where accuracy and fine quality of work are desired.*

*Their design is such that the working surfaces are easily  
accessible to the operator.*

*The weight is well distributed throughout,  
making a well-balanced, smooth  
operating machine.*

PROFIT THROUGH AMERICAN TECHNOLOGY



**WOOD MACHINERY  
MANUFACTURERS  
OF AMERICA**

MEMBER

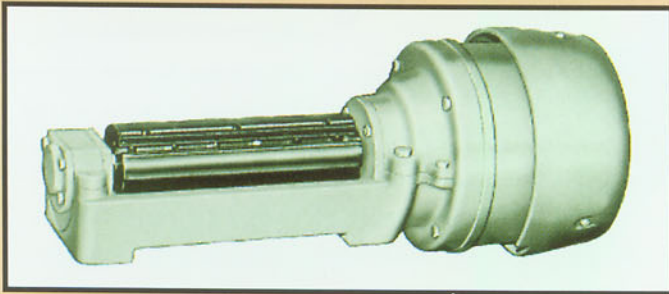
# Northfield

## **Heavy Base and Incline Assembly**

The heavily ribbed and cored frame is cast in four pieces. The two inclines and bed are bolted to a wide stance floor base. A 6" sheet metal dust spout is provided for connection to a central dust collection system. The base is placed so as not to obstruct the feet of the operator, permitting them to work in a comfortable, natural position.

## **Easily Adjustable Inclines**

Inclines are placed at such an angle that they can be raised or lowered without interfering with the cutterhead. The inclines are operated by handwheels at the ends of the machine.



## **Accurately Machined, Dynamically Balanced Cutterhead**

The cutterhead is made from high-carbon steel that is accurately machined and dynamically balanced. Four-knife heads are standard on all direct motor drive and belt-driven machines. Three-knife belt drive heads are available as an option. All cutting circles are 4-1/4". The knives are adjusted by integral, micrometer-type knife raising screws and held in place by fitted wedges.

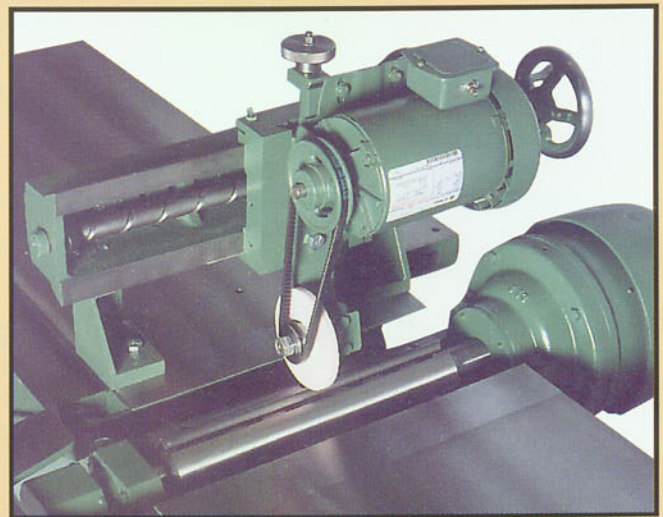
The cutterhead is mounted in a carefully machined, one-piece, cast-iron yoke. The yoke is carefully fitted into heavy supports on the frame of the machine.

## **Sealed-For-Life, Precision Ball Bearings**

Both the direct motor and belt drive machines are equipped with heavy-duty, sealed-for-life, precision ball bearings.

## **Accurately Ground Tables**

The overall length of the tables on all machines is 6' 2". Both tables can be drawn away from the cutterhead on a level independent of the inclines, leaving an opening around the cylinder head for adjustment of knives, etc. The rear table is provided with a rabbeting groove and the infeed table is equipped with a rabbeting arm. Both tables are mounted on planed inclines and are adjustable for precisely gauging the depth of cut. The tables are accurately machined to the top of the incline blocks without the use of adjusting gibs. They cannot come out of alignment. No adjusting screws or gibs are needed to keep the tables in alignment.



## **Knife Grinding and Jointing Attachment**

Knife grinders are available for all Medium Duty Jointers. Features include 1/2 HP motor, fast helix rail screw, and positive stop indexing for heel grinding.

# Medium Duty JOINTERS

## Guarding

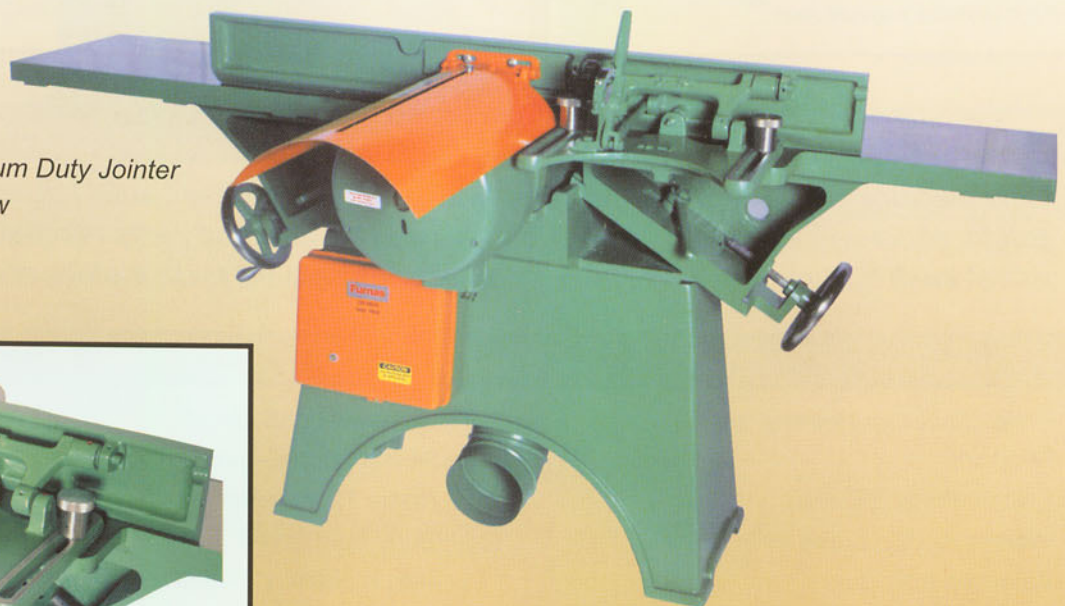
Standard equipment on Northfield Medium Duty Jointers are the front and rear guards. The front guard is the swing out type with spring tension. The shield is made of aluminum. The rear guard is attached to the fence and moves with it, keeping the cutterhead in back of the fence protected at all times. A cutterhead hand brake is also standard. A switch that stops the power upon application of the hand brake can also be ordered as an option.



## Direct Motor Drive Integral with Cylinder Head

8" and 12" machines are equipped with 3 HP, 3600 RPM, totally-enclosed, fan-cooled motors. The front plate of the motor is cast as part of the cylinder yoke. 5 and 7-1/2 HP motors are available as optional extras on all models. The motor rotor is mounted on the cylinder head shaft which is extended through the motor. This design integrates the cylinder head bearings and motor as a complete unit. The motor is controlled by a magnetic starter with overload and low voltage protection and 110 volt at push button.

12" Medium Duty Jointer  
Rear View



## Quickly Adjustable Fence

On all Medium Duty machines a quickly adjustable fence which tilts 45° to the right is furnished. Fence angularity is accomplished through a degree handle with locking knob, with a positive stop provided at the 90° position. The fence can be placed at an angle to the head for shear cutting.

## Belt Drives to Your Specifications

Jointers can be furnished with a belt drive if desired. Cutterhead speeds to 4,500 RPM are available.

## SPECIFICATIONS

### For Northfield Medium Duty Jointers

Machine Size	8"	12"
Length of Knives	8"	12"
Knife Size	8" x 1-1/4" x 1/8"	12" x 1-1/4" x 1/8"
Knives per Head, DMD	4	4
Knives per Head, Belt Drive	4 (3 opt.)	4
Cutting Circle	4-1/4"	4-1/4"
Overall Length of Tables	6' 2"	6' 2"
Height of Tables from Floor	33"	33"
Fence Size	45" x 5-1/4"	45" x 5-1/4"
Fence Tilts	45°	45°
Maximum Rabbet Depth	9/16"	9/16"
Drives Available	Direct Motor & V-Belt	Direct Motor & V-Belt
Motor Size	3 HP DMD	3 HP DMD
Cutterhead RPM, V-Belt*	4500 RPM*	4500 RPM*
Cutterhead RPM, DMD	3600 RPM	3600 RPM
Optional Motor Size	5 & 7-1/2 HP	5 & 7-1/2 HP
Net Weight	950 lbs.	1100 lbs.
Domestic Shipping Weight	1150 lbs.	1300 lbs.
Export Shipping Weight	1350 lbs.	1500 lbs.
Cubic Measure	84 cu. ft.	84 cu. ft.
Floor Space	30" x 74"	34" x 74"

\*Or to customer's specification

## EQUIPMENT

**Each machine is furnished complete with one set of high-speed steel knives, cutting depth gauge, necessary wrenches, 6" dust chute, maintenance and parts manual, hand brake, 110 volt at push button. 208, 230/460, 575 volt, 3 phase 60 cycle motors are standard.**

## EXTRAS

<del>Knife grinder and jointing attachment</del>	<del>Carbide tipped knives</del>
<del>Steel lips</del>	<del>24 volt at push-button</del>
<del>Switch for hand brake</del>	<del>Nema 12 electrics with disconnect</del>
<del>Warner electric brake</del>	<del>Surty front guard</del>
<del>Balanced knife sets</del>	<del>Single phase in belt drive only</del>
<del>Dial type knife setting gauge</del>	<del>And MORE! Contact:</del>

# Northfield

**MACHINERY BUILDERS, INC.**

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

Phone: (507) 645-5641  
Fax: (507) 645-4005



## Sawstop Jobsite Pro



- Stowed Dimensions: 26 1/2" L x 29" W x 45" H
- Class-Leading Table Depth: 24 5/8" table depth allows a larger surface to make safe and accurate cuts from
- One-Turn Elevation: Raise and lower the blade in just one turn on the handwheel
- Solid Hi-Low T-Style Fence with Ergolock: Slides easily and locks firm with the push of the innovative Ergolock. 25 1/2" rip capacity
- Active Dust Collection Blade Guard: Captures above table dust, helping to ensure a safer and cleaner workspace
- Internal Dust Collection Shroud: Designed to provide superior dust collection capabilities.
- Easy Mobility: Simple, intuitive action extends the Mobile Cart for use and collapse the cart for transport
- 1 year warranty
- Jobsite Saw PRO with Mobile Cart Assembly -15A,120V,60Hz



**DiWire Pro**

## DIWire PRO Benchtop CNC Wire Bender

- 1/8" bend head and feed wheels
- 1/16" bend head and feed wheels
- Handles wire diameters 0.028" to 0.1875"
- Bends up to 180 °
- Tool Kit: Hex wrench, Torque wrench, Bolt cutter, and Calibration plate
- Wireware Bending Software
- Wire Starter Pack: brass (2), aluminum (3), 1/8" & 1/16" galvanized & 1/8" bright steel (4 of each)
- 10 Pre-Cut Parallel Clips, 10 Uncut Parallel Clips, 10 Universal Metal Clips
- Power supply and USB cord
- Mini Bolt Cutters
- 2-year warranty