

Northfield

Medium Duty

Eight & Twelve Inch **JOINTERS**

For accuracy, speed, precision & trouble-free dependability



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

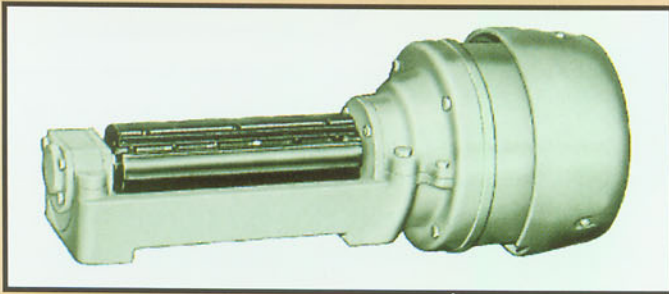
Northfield

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.

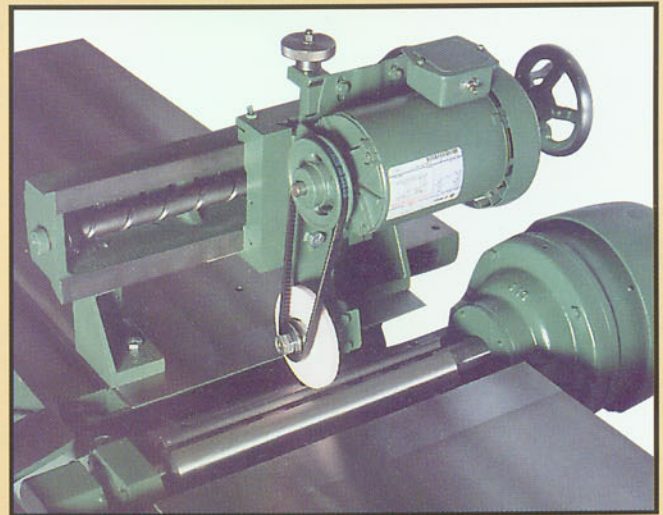
The cutterhead is mounted in a carefully machined, one-piece, cast-iron yoke. The yoke is carefully fitted into heavy supports on the frame of the machine.

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

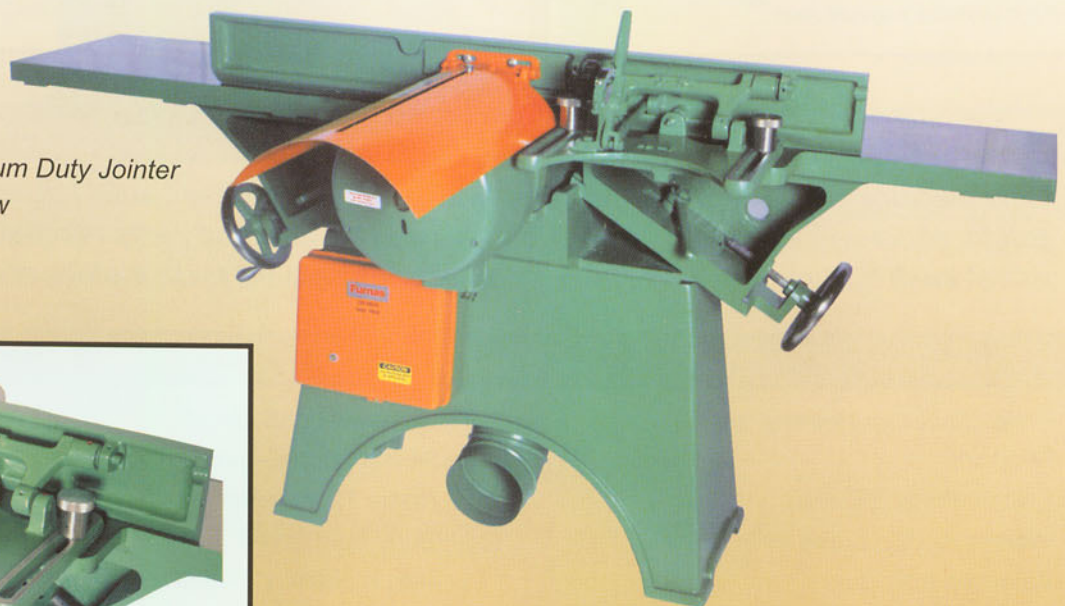
Standard equipment on Northfield Medium Duty Jointers are the front and rear guards. The front guard is the swing out type with spring tension. The shield is made of aluminum. The rear guard is attached to the fence and moves with it, keeping the cutterhead in back of the fence protected at all times. 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

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