

Northfield #2 Planer-Surfer 18"



Front view of
machine with
Knife Grinder

Low Maintenance

**Simple
Efficient Design**

**Traditional
Dependability**

This machine of heavy cast iron construction is ideal for pattern shops, vocational schools, sash and door and furniture plants.

A precision built machine of proven design utilizing ideas and components to provide the user with a machine to meet the most demanding and varied needs of today's production and vocational woodworking.

PROFIT THROUGH AMERICAN TECHNOLOGY



**WOOD MACHINERY
MANUFACTURERS
OF AMERICA**

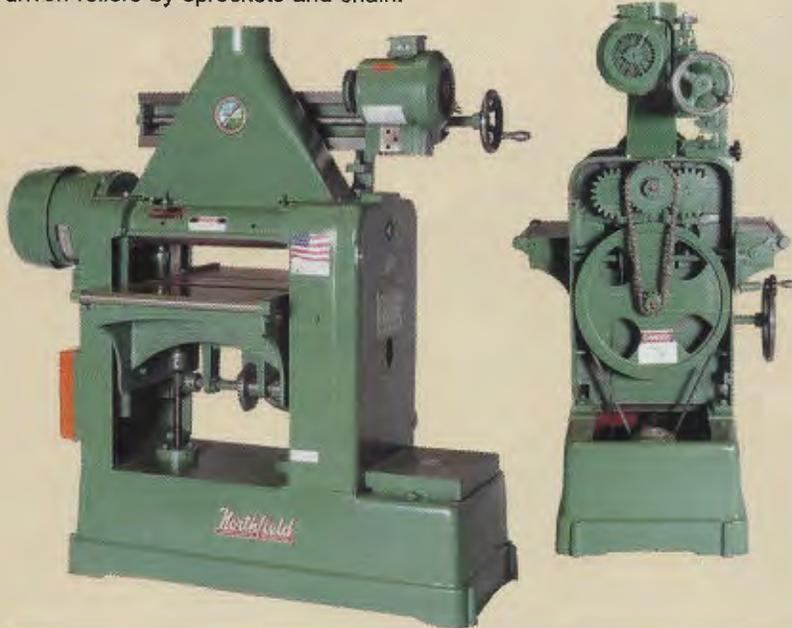
MEMBER

Four Knife Cutterhead with Integral Micrometer type, Knife Raising Screws

The four knife cutterhead of high carbon steel is 18 1/8" long and has a 3 1/2" cutting circle. The 5/32" x 1 1/8" x 18 1/8" knives are of high speed steel and can be quickly adjusted with the micrometer type knife raising screws machined integral with the cutterhead.

Simple and Efficient Feed

Driven by a separate 1/2 HP motor and variable pulley. The feed does not take it's power from the cutterhead. The variable speed drive assembly is shown in the picture below. The feed speeds are transmitted to the two driven rollers by sprockets and chain.



Positive Cutterhead Grinding

Each knife is ground in proper position using indexing plate.



Pressure Bar and Chipbreaker

Work closely to the knives, thus allowing most pieces to be planed smoothly without dubbing the ends. Both swing concentrically with the cutterhead.

Rear View

Photo shows Knife Grinder with grinding wheel in place. Grinding attachment can be left on the machine with dust hood in place.



SPECIFICATIONS

Nominal Size	18" x 8"	Feed Speed	20 to 50 lineal feet per minute
Cylinder	3 1/2" cutting circle, 4-knife, high carbon steel, micrometer-type knife-raising screws	Maximum Stock Width	18"
Knife Size	5/32" x 1 1/8" x 18 1/8" high speed steel	Shortest Butted Piece	4"
Drive	Direct motor or VEE-belt	Shortest Single Piece	7 1/2"
Motors	Cutterhead: 5, 7 1/2, totally enclosed fan cooled	Maximum Stock Thickness	8"
	Feed: 1/2 HP	Minimum Stock Thickness	1/8"
Voltage	208-220/440-550 volt 60 cycle, 3-phase standard (1-phase, 3 HP & 5 HP)	Maximum Depth of Cut	1/4"
RPM	Direct Motor Drive, 3600 VEE-belt (or to customer's specifications)	Controls	Double magnetic switch, single pushbutton
Lower Feed Rolls	2-13/16", sealed for life bearings	Floor Space	55" x 36"
Upper Feed Rolls	INFEED: 2 1/2" diameter, corrugated solid steel, power driven, sealed for life ball bearings	Base	Large box-type
	OUTFEED: 2 1/2" solid steel, power driven sealed for life ball bearings	Net Weight	1525 lbs.*
		Domestic Shipping Weight	1600 lbs.*
		Export Shipping Weight	1800 lbs.*
		Cubic Export Crate Size	108 cu. ft.
		*Add 150 lbs. if Knife Grinder is ordered with machine (requires 115 volt line)	
		EXTRAS	
		Rubber Sectional Infeed Roll, reversing switch, digital readout, dial type knife and roll setting gauge, knife grinder and jointing attachment, NEMA 12 electric with fused disconnect, modifications to customer's order.	

Northfield

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