

NORTHFIELD - NO. 5 - SINGLE SURFACER

FOR THE MOST
PARTICULAR KIND
OF WORK

FOR EASE
OF OPERATION



FOR LONG LIVED
DEPENDABILITY

FOR SPEED
WITH PRECISION

FOR LOW
OPERATING COSTS

This machine is built for heavy duty and production purposes. It is heavy and well built, and is ideal for pattern shops, manual training schools, sash and door and furniture plants. For complete specifications see reverse side of this sheet.

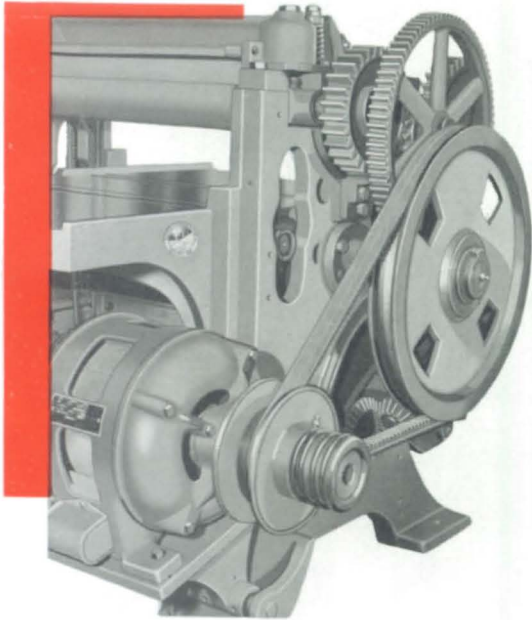


NORTHFIELD FOUNDRY & MACHINE CO.
NORTHFIELD, MINNESOTA

No. 5 - SINGLE SURFACER

CAPACITY

These machines are designed to take material 24" wide and from 1/8" to 6" thick.



THE FEED

Is driven from a separate 1 HP motor and is not driven from the cylinder. The feed is of the variable speed type as shown in illustration. Various feed speeds can be had and they are transmitted to the two driven rollers by machine cut gears. The feed is simple and efficient.

THE CYLINDER

Is made of special steel, well balanced and fitted. It is of the round cylinder type. The cylinder is mounted in ball bearings and is furnished with 3 knives. Cylinders with 4 knives can be furnished at an additional cost.

THE MOTORS

The standard cylinder head motor furnished is 5HP, a 7-1/2 HP motor can be furnished at an additional cost. The motor operating the variable feed is 1HP. Motors can be furnished in 220, 440 volts in either two or three phase, and 550 volt three phase. A separate magnetic starter with push button control is used for each of the two motors.

THE BED

Is well ribbed under the cylinder and the bearings on the main frame are gibbed to take up lost motion. The bed elevating screws are mounted on ball bearings, thus making it easily adjustable for depth of cut.

PRESSURE BARS

Are both adjustable independently of each other. They work close to the knives, thus allowing most pieces to be planed smooth without dubbing the ends. The chip-breaker swings concentrically with the cylinder.

EXTRA EQUIPMENT

Four knife head.
Seven and one half HP cylinder motor.
Corrugated sectional infeed roll.
Motor driven knife grinder.
Standard equipment furnished includes grease gun and necessary wrenches.

SPECIFICATIONS

Knife size	24 1/4 x 1 1/4 x 1/8
Cutter head speed	3,600 R.P.M.
Cutting circle of head	4 1/4"
Feed motor	1 H.P.
Cylinder head motor	5 H.P.
Maximum stock thickness	6"
Maximum stock width	24"
Minimum stock thickness	1/8"
Diameter feed rolls	3 1/2"
Feed speeds	18 - 38
Height overall	43"
Floor space	50 x 57"
Net weight	2,150 lbs.
Domestic shipping weight	2,300 lbs.
Export shipping weight	2,700 lbs.
Cubic measure	.86 cu. ft.

