

Northfield PRODUCTION SHAPER

Guard, alum dust spout & hand brake are standard equipment

Optional:
Nested Throat Plates



Rear view showing sub table dust outlet and guard mounting. Drive motor is mounted on hinged motor base. Gives accurate belt tension. Pulley and belt are guarded.

Northfield Production Shapers are constructed with rugged iron castings and balanced rotating components to assure vibration free performance. Spindles are available to 1-1/2" dia. and up to 8" in length. TEFC motors to 15 hp can be provided.



The spindle is machined from stressproof steel and is precision ground. The wide separation between the upper & lower sealed for life bearings provides extreme shaft rigidity when running large diameter cutterheads. The heavy yoke assembly with full length gibbed vee ways maintains deflection free bearing and spindle alignments.

Optional K-50 fence accommodates up to 8" diameter cutterheads and vents chips to rear. Each cast iron fence plate is independently adjustable without moving the box frame. Maple die-board fences are standard. Guard mounts to top of fence.



BASE: Heavy one piece casting with flanged floor base gives firm setting. Yoke ways are carefully machined to assure full yoke bearing.

TABLE: Heavy duty, well ribbed casting allows attachment of table extensions, jigs and fixtures. Top surface is accurately ground - allows stock and forms to slide easily. Has fitted table ring at the spindle.

YOKE: Gibbed yoke, carefully machined and fitted into base assures absolute vertical spindle position through any adjustment. Precision ball bearings are sealed for life - need no lubrication.

SPINDLE: Rugged 1" diameter by 5" long spindle is accurately machined and ground for high speed production. Optional spindle sizes available.

DRIVE: 3, 5, 7-1/2, 10 or 15 hp rear-mounted motor swing on hinge to allow easy access. Has 2-1/2" endless belt drive with screw adjustment for close belt tensioning. Shaper is equipped with magnetic starter and 110 volt push-button controls.

SPECIFICATIONS

Diameter of Spindle (standard machine)	1"	4" dust spout requires approx. 400 CFM air flow for dust collection	
Vertical adjustment of Spindle	4-1/2"	Horsepower	3, 5, 7-1/2, 10, 15 TEFC
Length of Spindle at Collar	5"	Size of Throat Hole	4-1/2"
Size of Table	36" by 26"	Floor Space	36W x 36 deep
Height of Table Top	36"	Domestic Shipping Weight	900 lbs.
Spindle Speed	8,000 RPM	Export Shipping Weight	1150 lbs.
Spindle Rotation	Counterclockwise	Cubic measure export boxed	59 cu. ft.
Size of dust spout	4"	Voltages	208, 230/460, 575 3 ph 60 hz

ACCESSORIES

K-50 fence with hold down springs	6000 & 4000 RPM spindle speed
Micrometer adjust for K-50 fence	NEMA 12 electric with fused disconnect
3/4, 7/8, 1-1/8, 1-1/4, 1 3/8, 1-1/2 solid spindles	24-volt push-button
6-1/2" spindle length 1, 1-1/8, 1-1/4 solid spindle only	6" front & rear table extensions
8" spindle length 1-3/8 & 1-1/2 solid spindle	Switch to disconnect power upon actuation of brake
Reversing solid spindle with reversing switch	Clockwise spindle rotation
Detachable non-reversing spindle screw-on type 3/4, 7/8, 1, 1-1/8, 1-1/4"	Miter gauge with dovetail slot
Detachable reversing spindle taper type 3/4, 7/8, 1, 1-1/8"	Single phase 3, 5, 7-1/2" hp, 220-volt
Detachable router top 1/2" hole	Throat hole and plates available: 8", 6-1/2" and nested 42" x 42" table
Collet spindle (3/4" max collet bore)	Digital read-out spindle position
	Modifications to customer's order

Northfield

MACHINERY BUILDERS, INC.

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

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

