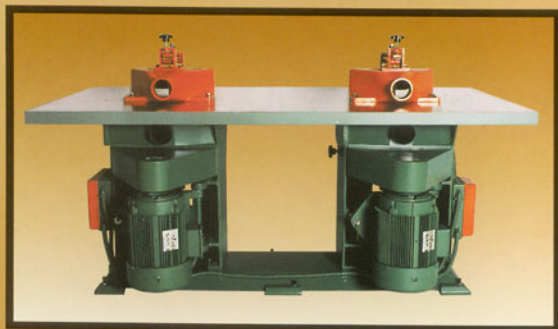


Northfield

LARGE TOP DOUBLE SPINDLE SHAPER

with 42" x 84" table

Guards, alum dust
spouts & foot brakes
are standard equipment



Rear view showing sub table dust outlets and guard mounting. Drive motors are mounted on hinged motor base. Gives accurate belt tension. Pulleys and belts are guarded.

Optional:
Nested Throat Plates

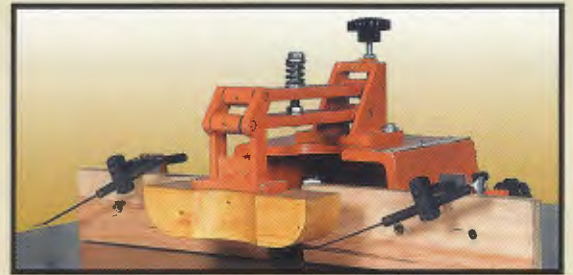


Northfield Double Spindle Shapers are constructed with rugged iron castings and balanced rotating components to assure vibration free performance. The 42" x 84" table provides room for mounting feeders and gives full support for large jigs and fixtures. Spindles are available to 1-1/2" dia. and up to 8" in length. TEFC motors to 15 HP can be provided. Under table dust outlet improves dust and chip extraction.



The spindles are machined from stressproof steel and are 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 fences accommodate 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 quill-base castings with flanged floor base gives firm setting. Yoke ways are carefully machined to assure full yoke bearing.

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

YOKES: Gibbed yokes, carefully machined and fitted into base assures absolute vertical spindle position through any adjustment. Precision ball

bearings are sealed for life – need no lubrication.

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

DRIVES: 3, 5, 7-1/2, 10 or 15 HP rear-mounted motors swing on hinges 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"	Size of dust spouts	4"
Vertical adjustment of Spindle	4-1/2"	Each 4" dust spout requires approx. 400 CFM air flow for dust collection	
Length of Spindle at Collar	5"	Horsepower	3, 5, 7-1/2, 10, 15 TEFC
Size of Table	42" by 84"	Size of Throat Hole (standard machine)	4-1/2"
Distance Between Spindles	42"	Floor Space	84" wide x 45" deep
Height of Table Top	34-1/2"	Domestic Shipping Weight	3100 lbs.
Spindle Speed	8000 RPM	Export Shipping Weight	3500 lbs.
Spindle Rotation (front of machine)	RH Spindle: counter clockwise LH Spindle: clockwise	Cubic measure export boxed	128 cu. ft.
		Voltages	208, 230/460, 575 3 ph 60 hz

ACCESSORIES

K-50 fences with hold down springs	Detachable router top 1/2" hole
Micrometer adjust for K-50 fences	Collet spindle (3/4" max. collet bore)
3/4, 7/8, 1-1/8, 1-1/4, 1-3/8, 1-1/2 solid spindles	6000 or 4000 RPM spindle speed
6-1/2" spindle length 1, 1-1/8, 1-1/4, 1-3/8 & 1-1/2 solid spindle only	NEMA 12 electrics with fused disconnect
8" spindle length 1-1/4, 1-3/8 & 1-1/2 solid spindle	24-volt push-button
Opposite spindle rotation RH, CW, LH, CCW	Hand brake in lieu of foot brake
Reversing solid spindles with reversing switches	Switch to disconnect power upon actuation of brake
Detachable non-reversing spindle screw-on type 3/4, 7/8, 1, 1-1/8, 1-1/4"	Miter gauge and dovetail slot (table ends only)
Detachable reversing spindle taper type 3/4, 7/8, 1, 1-1/8"	Single phase 3, 5, 7-1/2 HP, 220-volt
	Throat hole and plates available: 8", 6-1/2" and nested
	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

