

ROCKFORD HY-DRAULIC DOUBLE HOUSING PLANER

36" W. x 36" H. x 10' L. to 72" W. x 72" H. x 34' L.

Extra strength, rigidity and capacity makes the new heavy-duty Rockford Double Housing Planer ideal for the accurate, high volume production of large castings, forgings and weldments.

Hydraulic design provides its extraordinary efficiency and versatility to most profitably cut every metal — from free-cutting to toughest types.

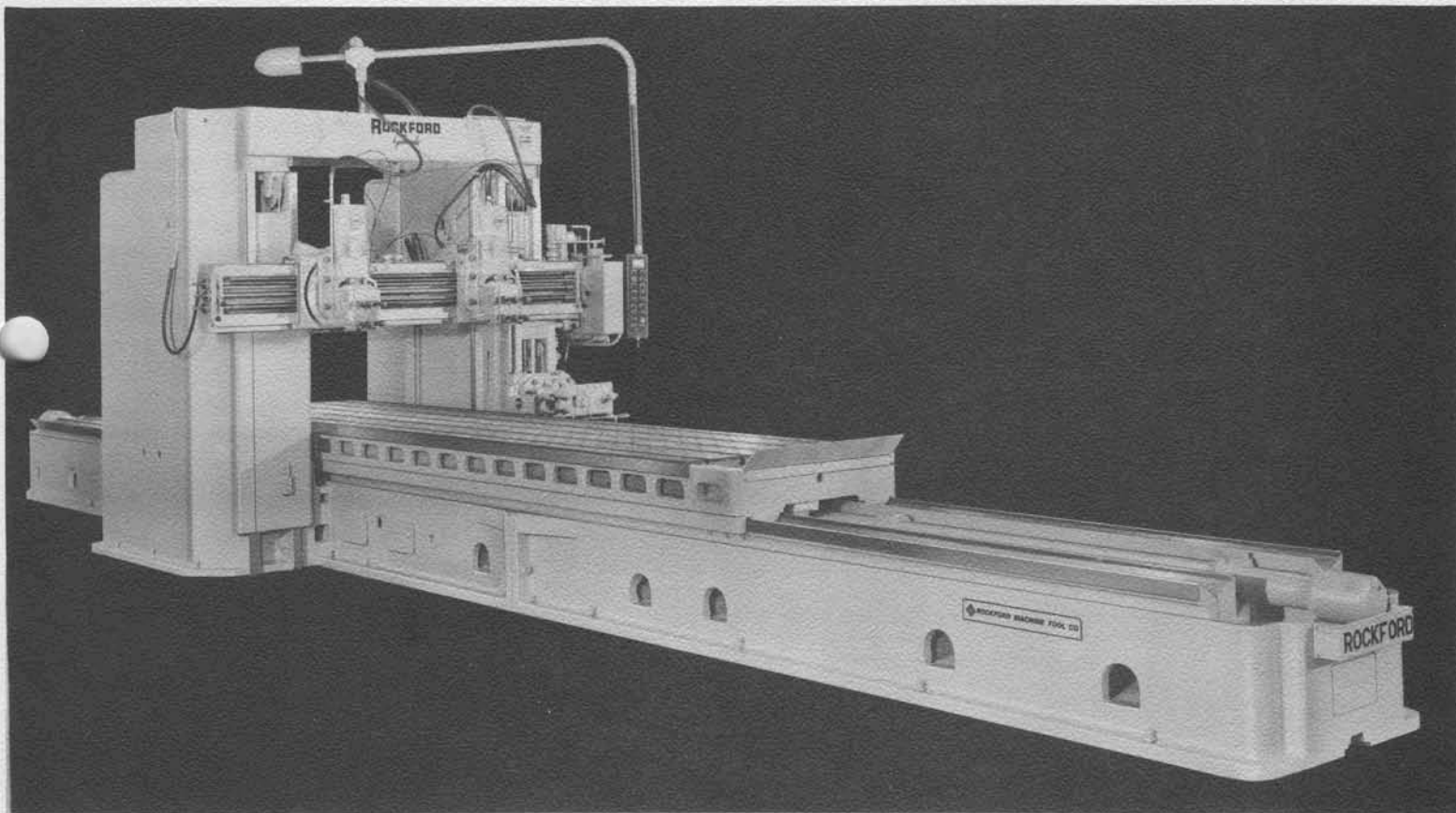
Quicker set-ups, easy operation, low operating and minimal maintenance costs . . . check over all the features and exclusive advantages of this powerful, precision-built machine . . . available in a full range of sizes from 36" x 36" to 72" x 72" and larger . . . with Single or Triple Circuit.

A modern, heavy-duty Rockford Double Housing Planer is a good investment . . . to save time & labor . . . to increase production . . . to improve quality and reduce your costs on a wide variety of work.

For further information — write or call: —

 **ROCKFORD MACHINE TOOL CO**
SUBSIDIARY OF GREENLEE BROS & CO
2500 Kishwaukee Street, Rockford, Ill. 61101 U.S.A.

A Unit of Ex-Cell-O Corporation 



FEATURES OF ROCKFORD HYDRAULIC DESIGN

INFINITE SPEEDS & FEEDS . . . provide the exact combination of cutting speed and feed best suited for maximum production.

MORE STROKES PER MINUTE . . . rapid acceleration and deceleration permit the use of high speed carbide tooling to best advantage.

MAXIMUM CUTTING EFFICIENCY . . . full speed at peak horsepower is reached more quickly and extends for a longer interval in the stroke. This affords maximum efficiency over a longer length of cut.

PROTECTS CARBIDE TOOLS . . . hydraulic drive provides a cushioning effect which helps to eliminate breakage.

SINGLE CIRCUIT HYDRAULIC DRIVE

eliminates the need of rack and gearing with its high inertia forces. The number of moving parts is greatly reduced. The entire drive runs in oil . . . is self-lubricating, long wearing. Hydraulic unit is compact, self-contained, easily accessible. Maintenance is minimum. Simplified controls permit greater operator convenience.

TRIPLE CIRCUIT HYDRAULIC DRIVE

is completely pendant controlled including, inch, range selectors and direct reading speed indicator. Maximum horsepower is provided in three different speed ranges. This drive is the equivalent of a 3 speed gearbox — not available on any mechanical drive planers today.

ONE PIECE Π-SHAPED RAIL an exclusive feature assures continued accuracy over the full life of the machine.

EXTRA LARGE BEARING SURFACE ON THE CROSSRAIL . . . insures utmost accuracy.

DOUBLE LENGTH BED . . . cast to special specifications . . . is extremely rigid and durable. Double length ways support the table completely in all positions.

HEAVY BOX SECTION TABLE . . . is carried on wide angle Vee ways.

AUTOMATIC HYDRAULIC TOOL LIFTERS on each tool head.

AUTOMATIC HYDRAULIC RAIL CLAMP . . . interlocked with power rail elevator.

PERMANENTLY ALIGNED SIDE HEAD . . . mounted on its own subrail on Π type crossrail.

PENDANT CONTROLLED GEAR BOX provides complete control of machine from any normal operating position.

OVERLOAD PROTECTION . . . automatic hydraulic relief valve prevents damage to tools, workpiece and machine.

NO TABLE RUNOFF . . . solidly anchored to piston rod, which positively limits travel.

LESS MAINTENANCE . . . fewer parts. Hydraulic table drive & feeds are self-lubricating.

FINER FINISHES . . . No bearings, links or gears to cause chatter marks.

RAPID RETURN OF TABLE . . . after smooth shockless reversal.

NON-METALLIC TABLE WAYS . . . prevent scoring and prolong life of planer bed.

EXTRA EQUIPMENT: Second Railhead
Sideheads
Milling Head
Kopy Kat Duplicator

GUARANTEE: Rockford Double Housing Planers are guaranteed to be free from defects in workmanship and material. Any part which may fail due to any such defect, during the period of one year from date of shipment, will be replaced without cost. Design, construction and specifications, described herein, are subject to change without notice . . . or obligation to make similar change on existing products of this company.

SPECIFICATIONS

RATED SIZE	36"x36"	42"x42"	48"x48"	60"x60"	72"x72"	HYDRAULIC EQUIPMENT	CUTTING SPEED	RETURN SPEED	CUTTING FORCE
Table Width	36", 42", 48", 60" or 72"					Conventional 50 HP: 36" wide up to 20 ft. lg. 42" wide up to 18 ft. lg. 48" wide up to 16 ft. lg.	100 f.p.m.	200 f.p.m.	18,000 lbs.
Bed Vees, center to center	25"	25"	32"	32"	36"				
Table to Rail — Max.	37-1/2"	43-1/2"	48-1/2"	60-1/2"	72-1/2"	Conventional 60 HP: All widths up to 20 ft. lg.	100 f.p.m.	200 f.p.m.	23,000 lbs.
Planing Width — Max.	44"	48"	56"	66"	76"				
Railhead vertical travel	17"					H-3 60 HP: 72" wide up to 16 ft. lg. Other widths up to 20 ft. long	Low 100 f.p.m. Med. 150 f.p.m. High 300 f.p.m.	300 f.p.m.	22,500 lbs. 15,000 lbs. 7,500 lbs.
Tool Shank Size — Max.	2-7/8" x 3-1/2"								
Feeds (Infinite)	0.005" to 1.000"					H-3 100 HP: Not available on 36" and 42" widths	Low 100 f.p.m. Med. 150 f.p.m. High 300 f.p.m.	300 f.p.m.	36,000 lbs. 24,000 lbs. 12,000 lbs.
Sidehead horizontal travel	17"								
Sidehead vertical travel	32"	32"	44"	56"	65-3/4"				
Height — Floor to top of table	35"	35"	37"	37"	41"				
Height — Overall	115"	121"	129"	141"	157"				
Width — Overall (H3)	166"	168"	177"	182"	189"				
Length — Overall (H3) *	10' Mach. 32'; 12' Mach. 34'; 14' Mach. 36'8"; 16' Mach. 40'8"; 18' Mach. 44'8"; 20' Mach. 48'8"								
Weight — 10 ft. Machine	49000#	52000#	72000#	77000#	92000#				
Weight — per added 2 ft.	3500#	3800#	6000#	6500#	7500#				

Other sizes, speeds and cutting forces available.

ELECTRICAL EQUIPMENT	220/440 VOLT, 3 PHASE, 60 CYCLE
Conventional Drive	One 50 or 60 HP-900 R.P.M. Main Drive Motor; one 5 HP-1800 R.P.M. Rail Elevating Motor; one or two 1 HP-1800 R.P.M. Traverse Motor; one Control Panel; one Push Button Pendant Station.
H-3 Drive	One 60 or 100 MP-900 R.P.M. Main Drive Motor; one 7-1/2 HP-1200 R.P.M. Auxiliary Pump Motor; one 5 HP-1800 R.P.M. Rail Elevating Motor; one or two 1 HP-1800 R.P.M. Traverse Motor; one Control Panel; one Push Button Pendant Station.

SOLD BY