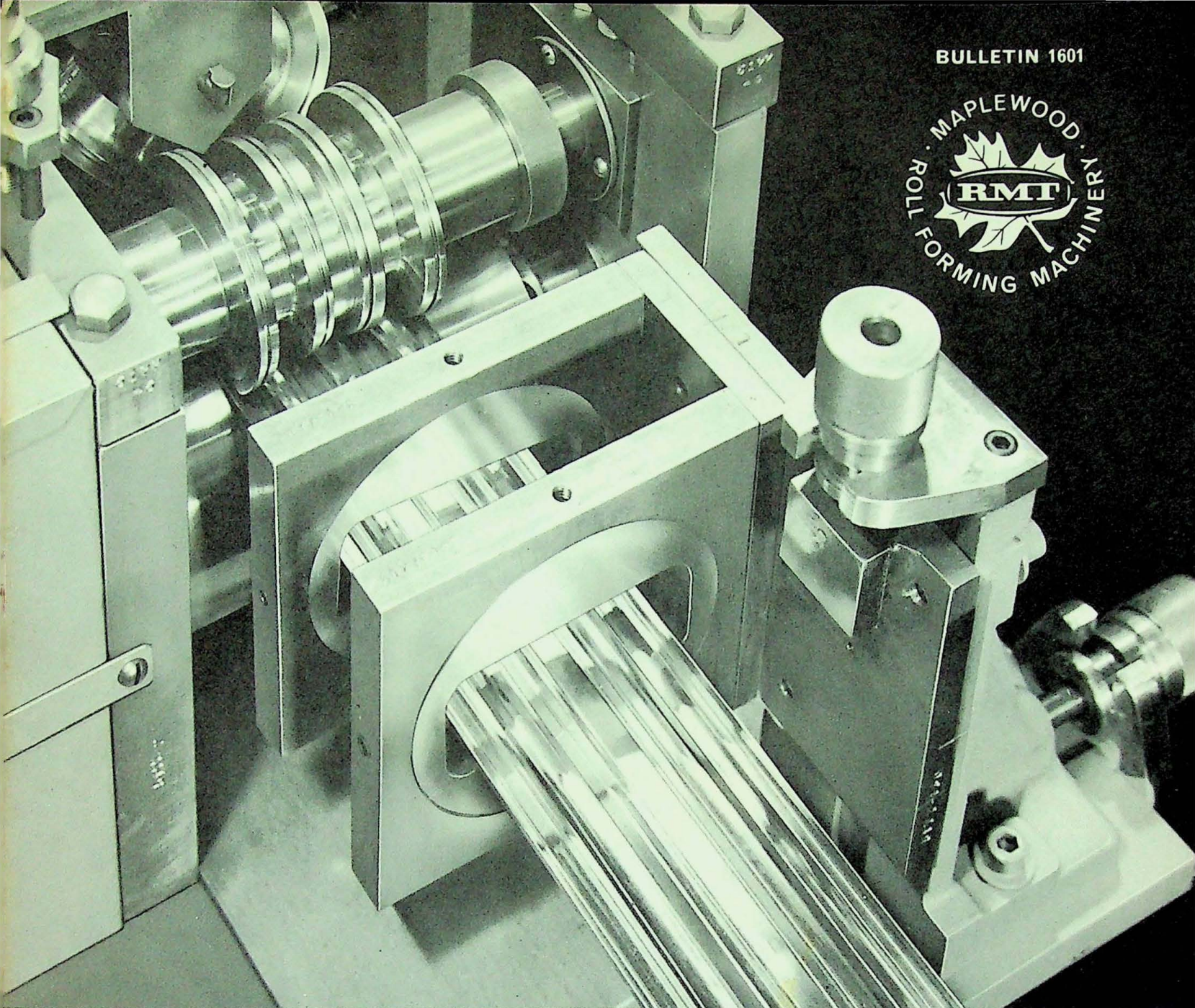


BULLETIN 1601

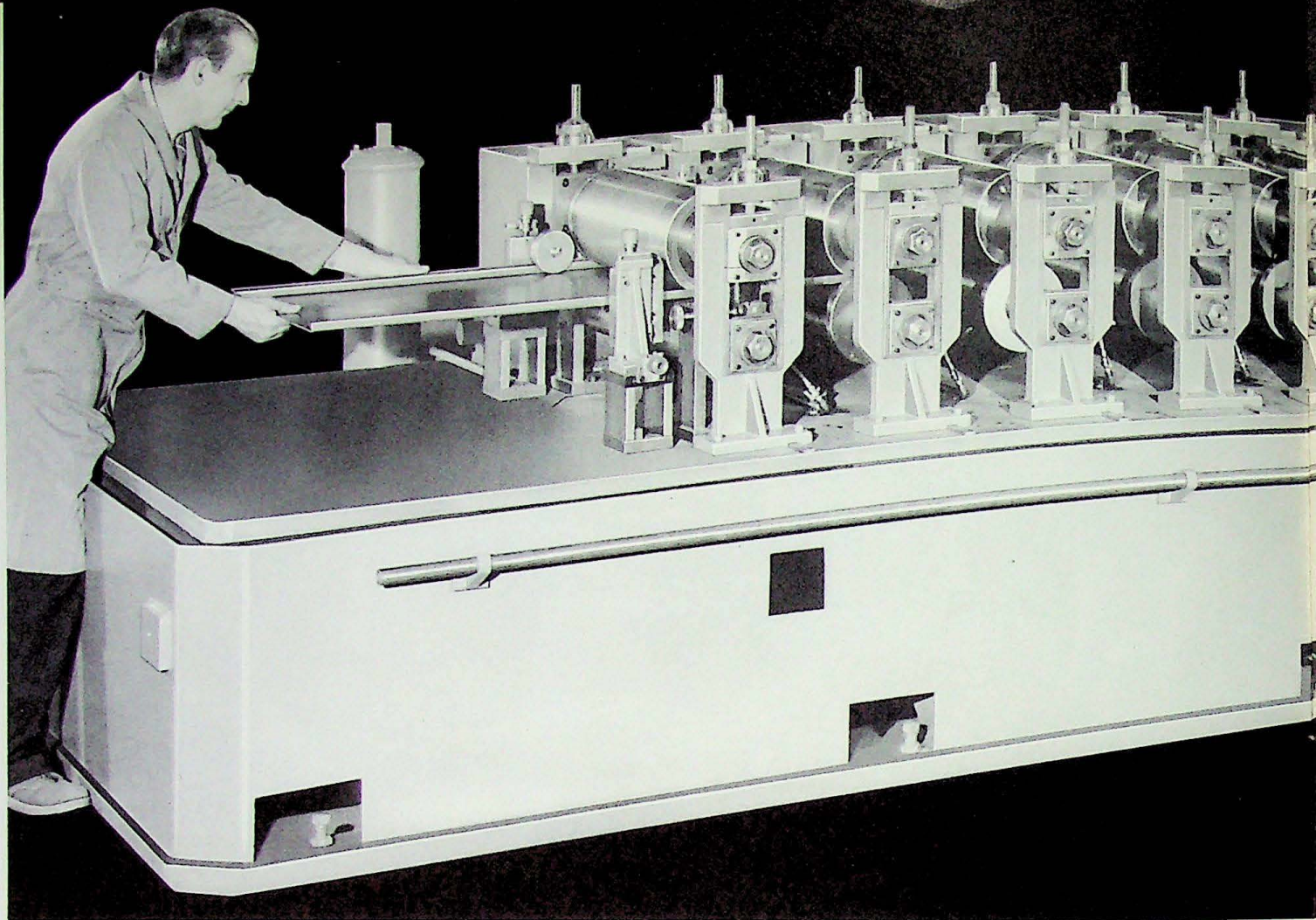


MAPLEWOOD ROLL FORMING MACHINES

Heavy Duty . . . High Production . . . Panel . . . Outboard . . . Inboard

MAPLEWOOD DIVISION, ROCKFORD MACHINE TOOL CO., 2500 Kishwaukee St., Area Code 815 • 963-7611, ROCKFORD, ILL., U.S.A.





The Maplewood Inboard Type Roll Forming Machines are designed to accommodate various gages of metal at speeds related to the shapes being formed. On all models roller dies are easily changed by simply removing the outboard spindle supports (except Model NR). Variable speed motors are furnished with fast adjustment to control forming speeds. Constant speed motors can be furnished. All machines are equipped with steel cut and heat treated gears and welded steel frame. The Model MWB has worm gear drive, totally enclosed housing, and all gears running in oil. All other models, except NR-6 or 7, have direct chain drive with double power take off from drive motor up to spindles and all spindles have spur gear drive. Models NR-6 and 7 have V-belt drive through gear reducer unit to spindles with spur gear drive. Variable or constant speed drives available for all models. Machines available in sizes and models listed.

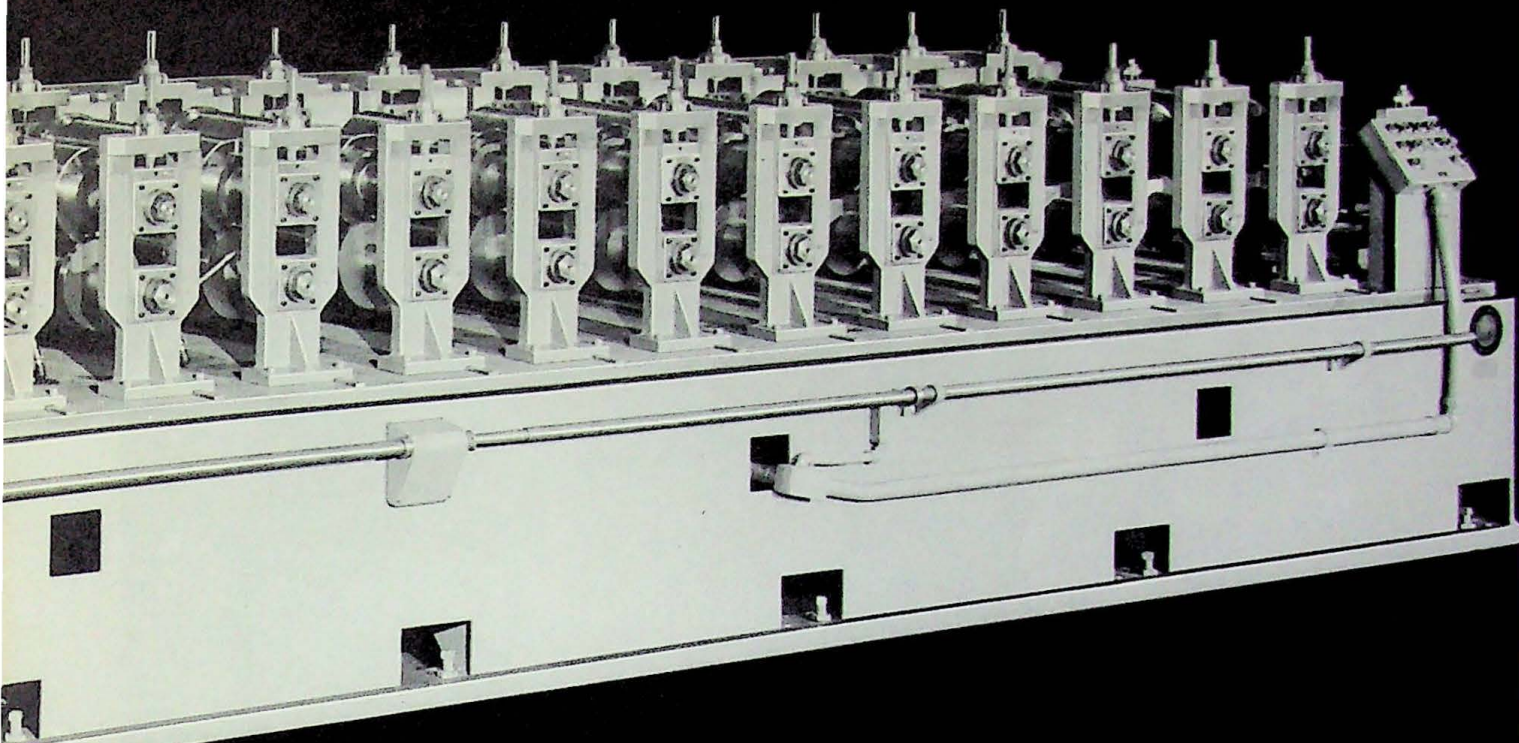
APPLICATIONS

FENCE POSTS / CONVEYOR TRACKS / GARAGE DOOR RAILS/ROLL UP GARAGE DOORS / ALUMINUM HOUSE SIDING / ACOUSTICAL CEILING SECTIONS / ROOF & WALL PANELS / TUBING & PIPE / COMBINATION SCREEN & STORM WINDOW SECTIONS / PLASTER BOARD CORNERS

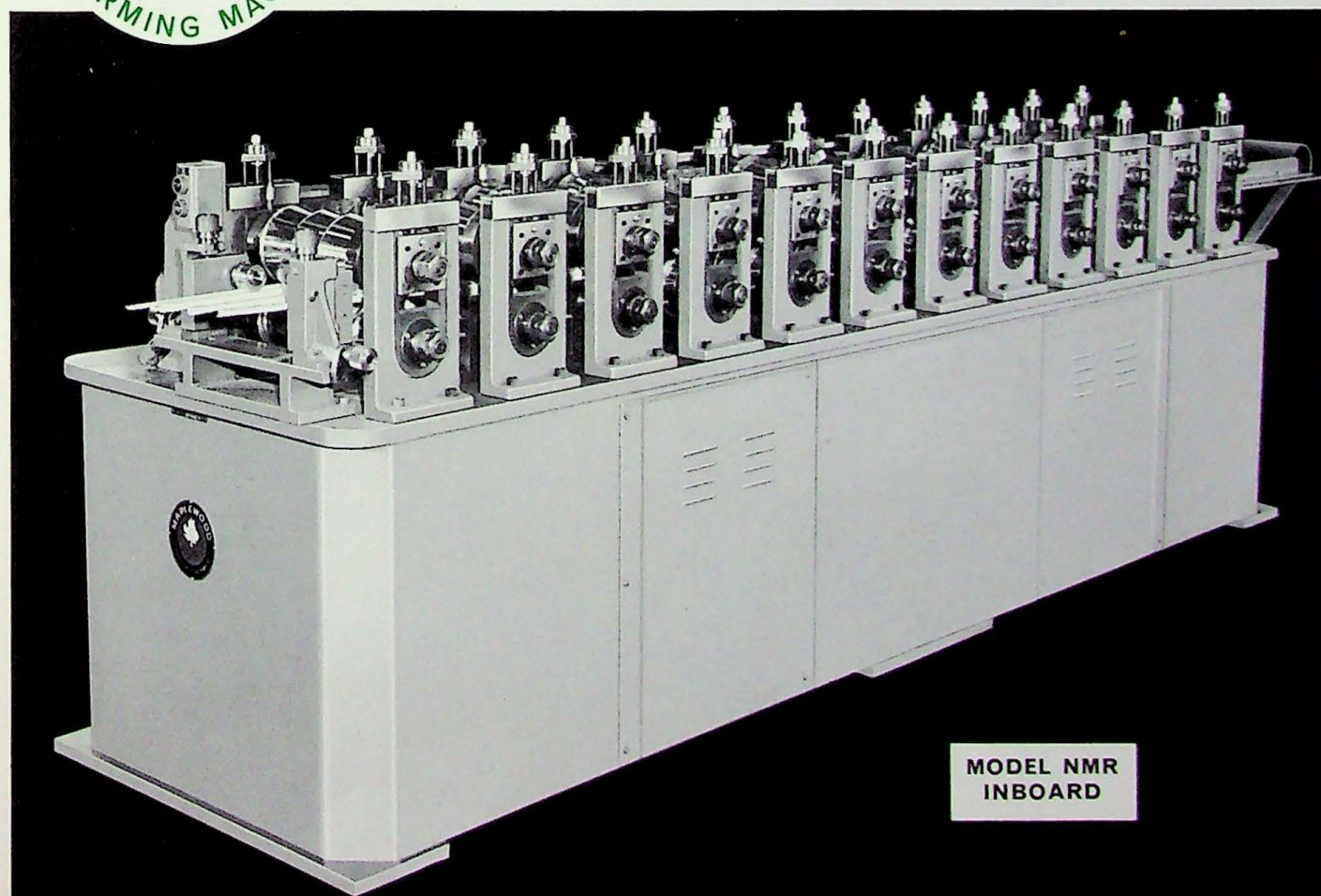
INBOARD TYPES

MODEL	MWB*	NMR
Capacity (depending on shape)	10 gage	16 gage
Number of Forming Stations	8-18	6-14
Pitch Diameter, adjustable (Vertical Distance between Spindles)	5" to 8"	4" to 5"
Longitudinal Distance between Spindles	15"	10"
Spindle Diameters	2¼" to 3"	1½"
Blank Accommodations between Housings	10" and wider	10" to 14"
Forming Speed (Lineal ft. per minute)	40-120	40-120
Motor (Minimum Horsepower)	7½"	5

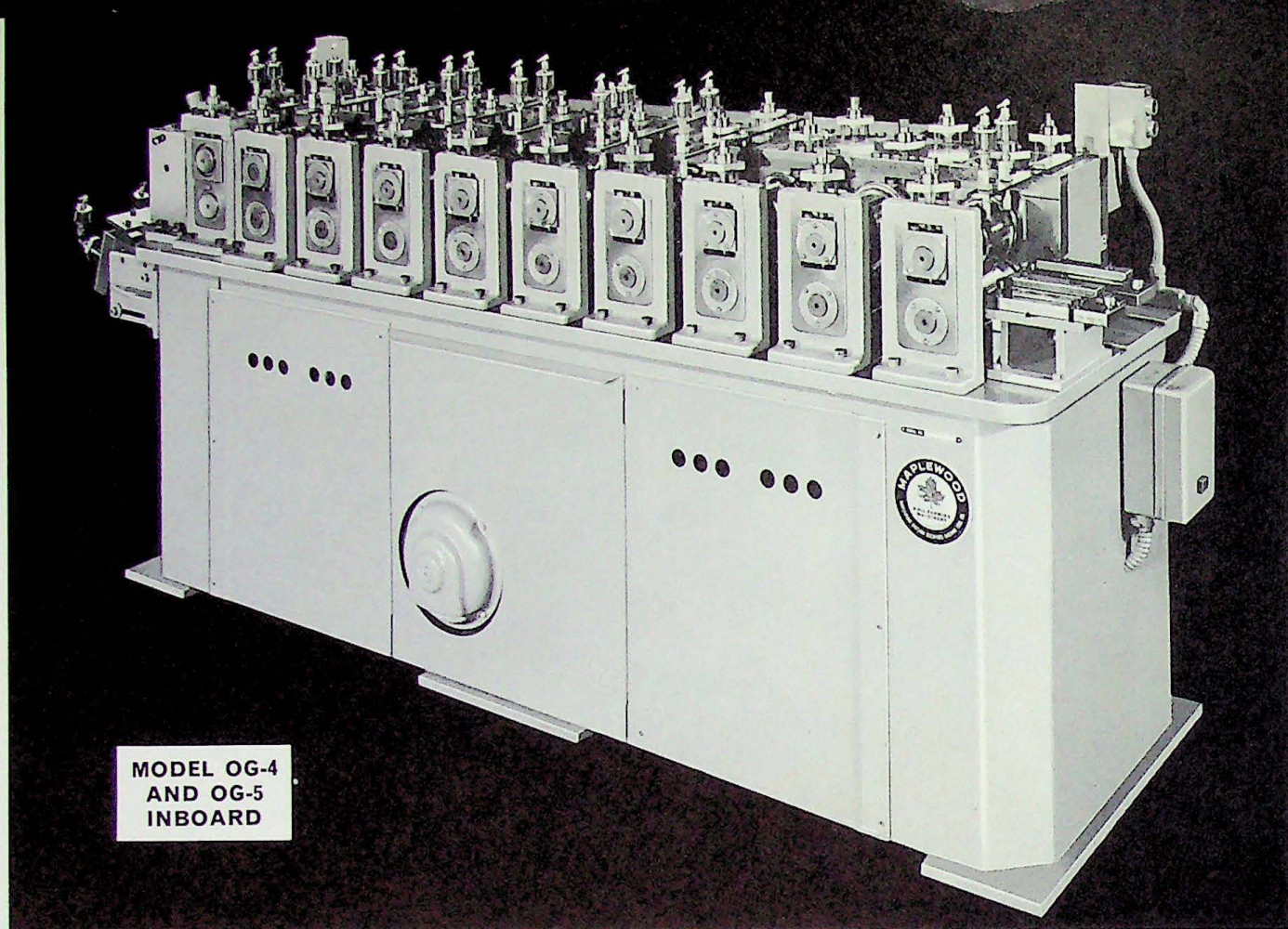
*Model MWB has worm gear drive



MODEL MWB
INBOARD



MODEL NMR
INBOARD

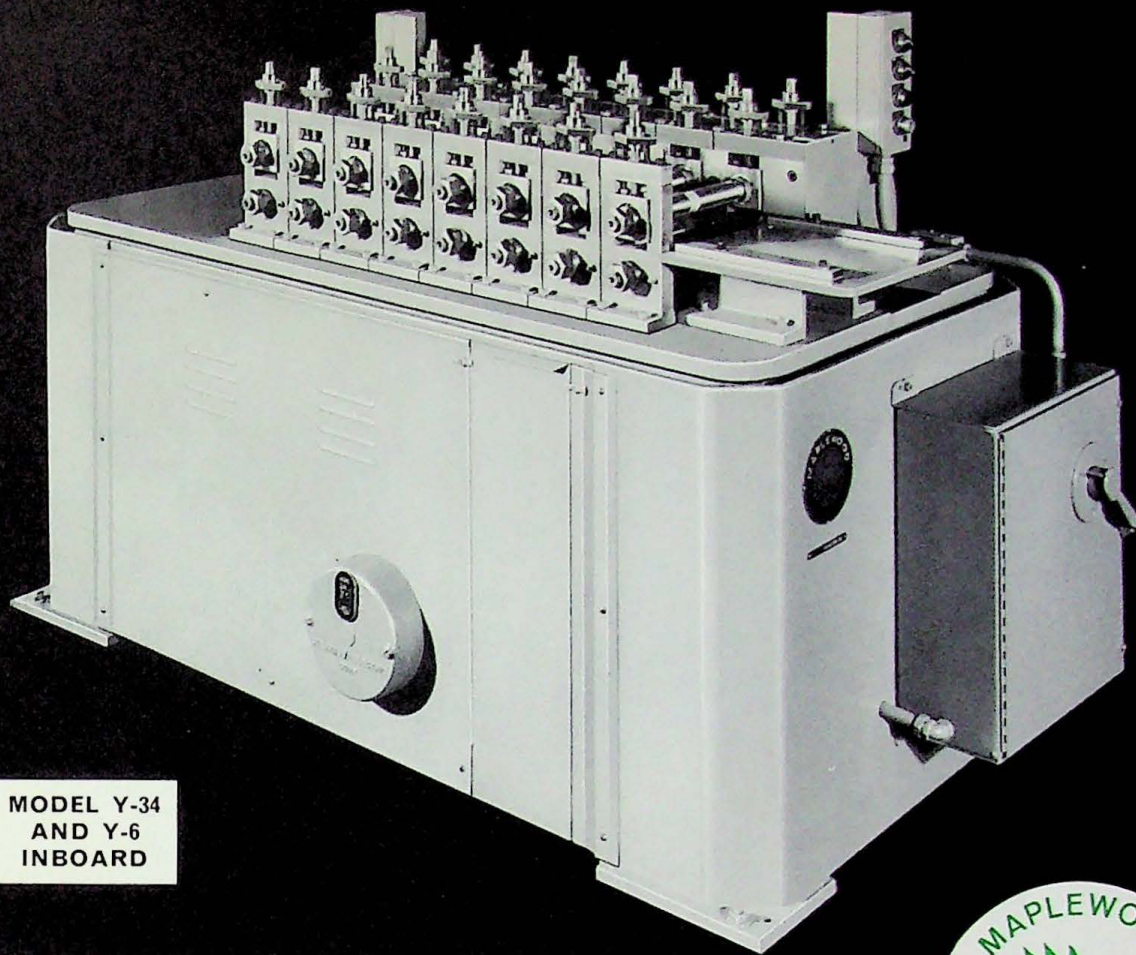


**MODEL OG-4
AND OG-5
INBOARD**

INBOARD TYPES

MODEL	OG-4	OG-5	Y-34	Y-6	NR*
Capacity (depending on shape)	16 gage	16 gage	20 gage	12 gage	20 gage
Number of Forming Stations	6-10	6-10	5-10	6-12	6-7
Pitch Diameter (Vertical Distance Between Spindles)	4"	5"	3" to 4"	6"	2½"
Longitudinal Distance Between Spindles	8"	8"	5"	12"	4½"
Spindle Diameters	1½"	1½"	1¼"	2"	1"
Blank Accommodations Between Housings	10"	10"	6"	10"	8"
Forming Speed (Lineal Feet Per Minute)	40-120	40-120	40-120	40-120	40-70-100 (as selected)
Motor (Minimum Horsepower)	5	5	3	7½	1½

*Model NR equipped with solid bearing stands both sides

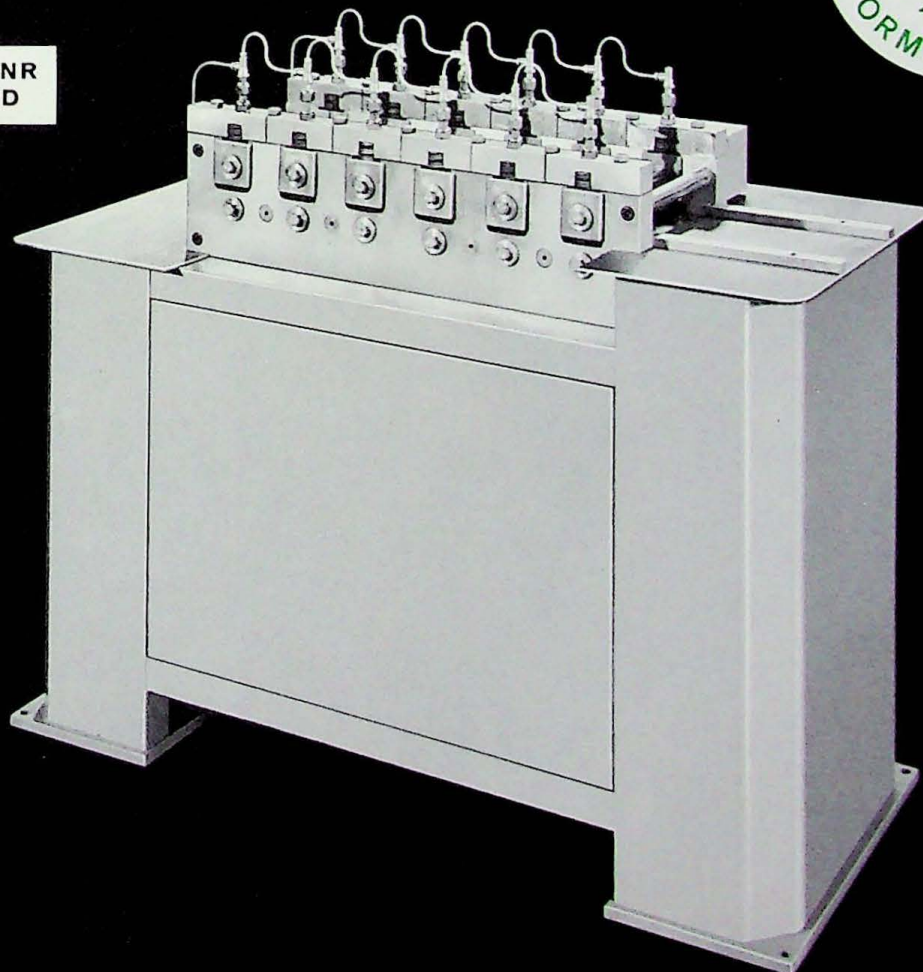


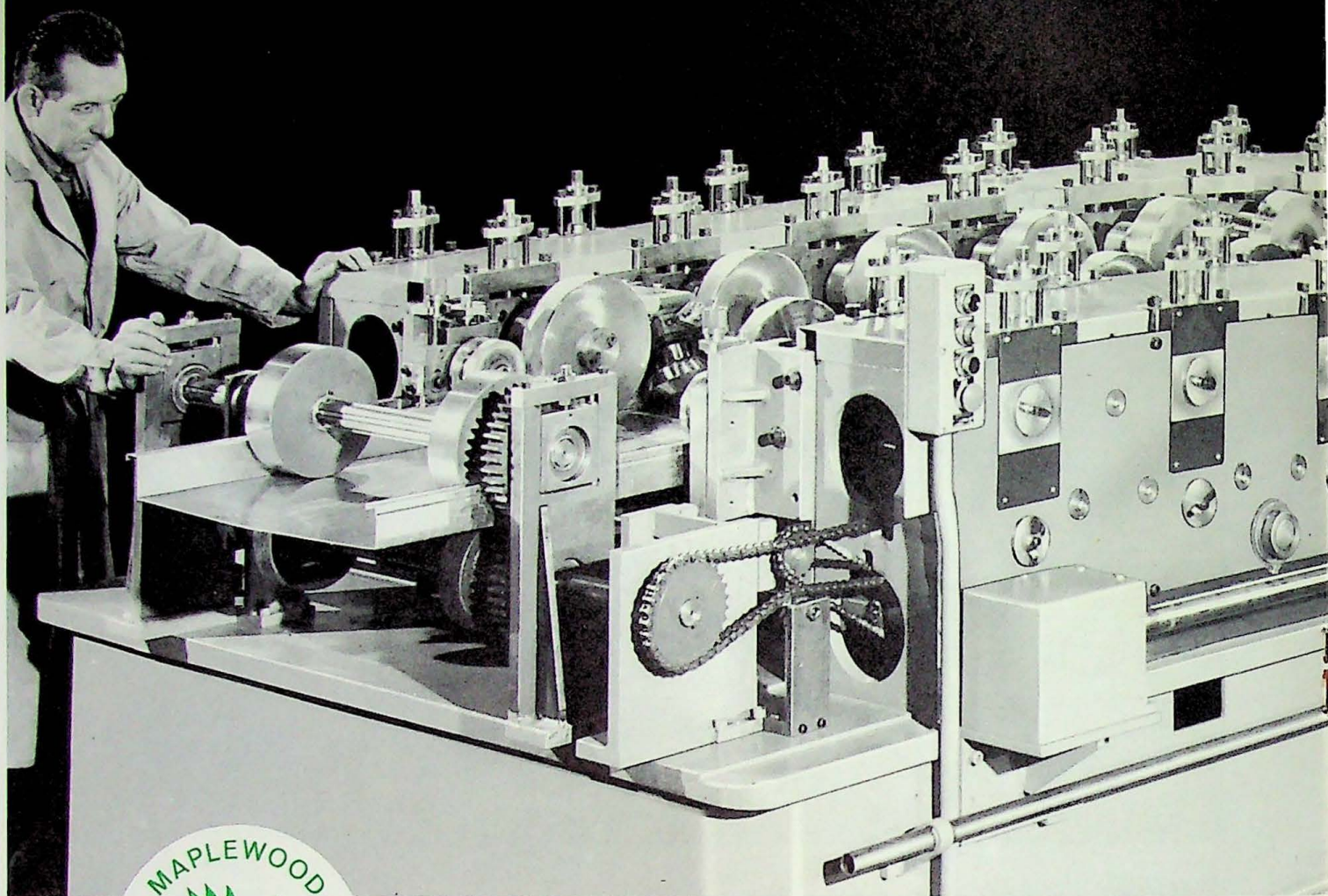
MODEL Y-34
AND Y-6
INBOARD

INBOARD TYPES



MODEL NR
INBOARD





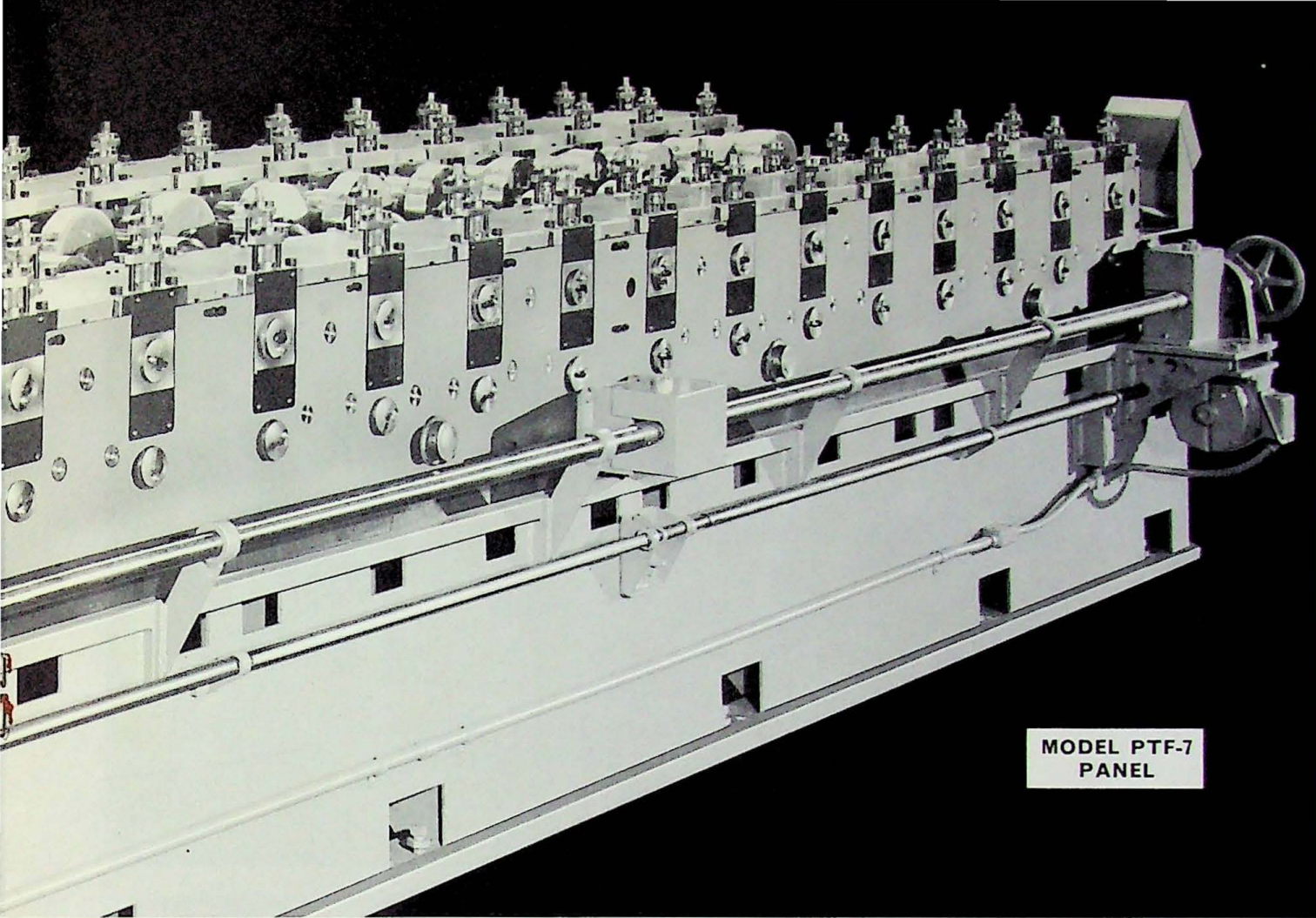
The versatile, new heavy duty Maplewood Panel Type Roll Forming Machines are designed to roll various forms on both edges of a sheet simultaneously. The machines are manufactured with one head stationary and the other forming head adjustable, so that shapes can be rolled on both edges of various width sheets. This makes one machine and one set of tooling satisfy the production requirements for many different sized panels. The machines have welded steel frames, direct chain drive and optional motorized drive to movable housing.

APPLICATIONS

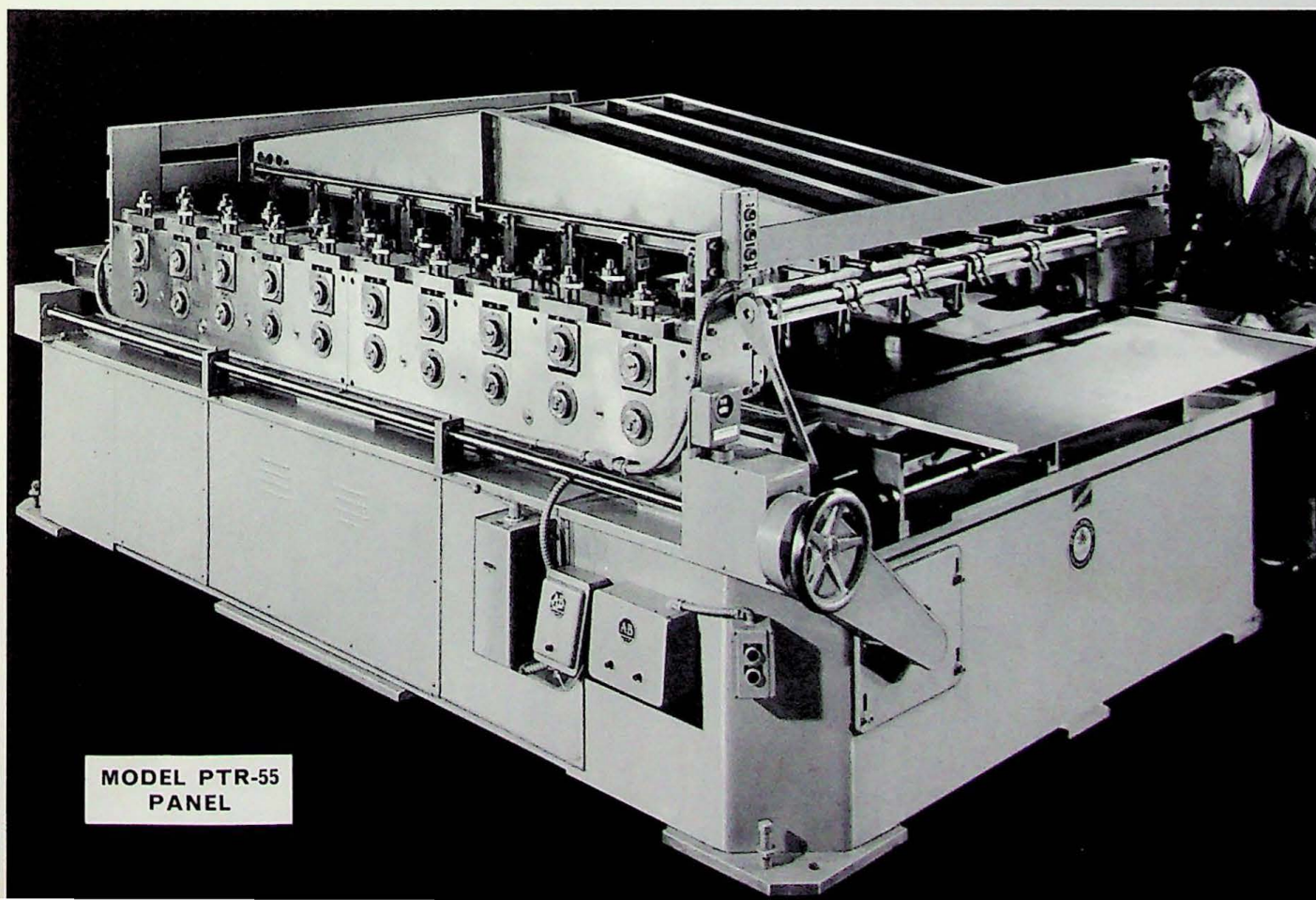
SPECIALLY BUILT TO CUSTOMERS' REQUIREMENTS / IDEAL FOR REFRIGERATOR & CABINET PANELS / METAL FURNITURE / METAL SHELVING / ROOM & OFFICE PARTITIONS / TELEVISION & AIR CONDITIONER CABINETS / WALL & ROOF PANELS

PANEL TYPES

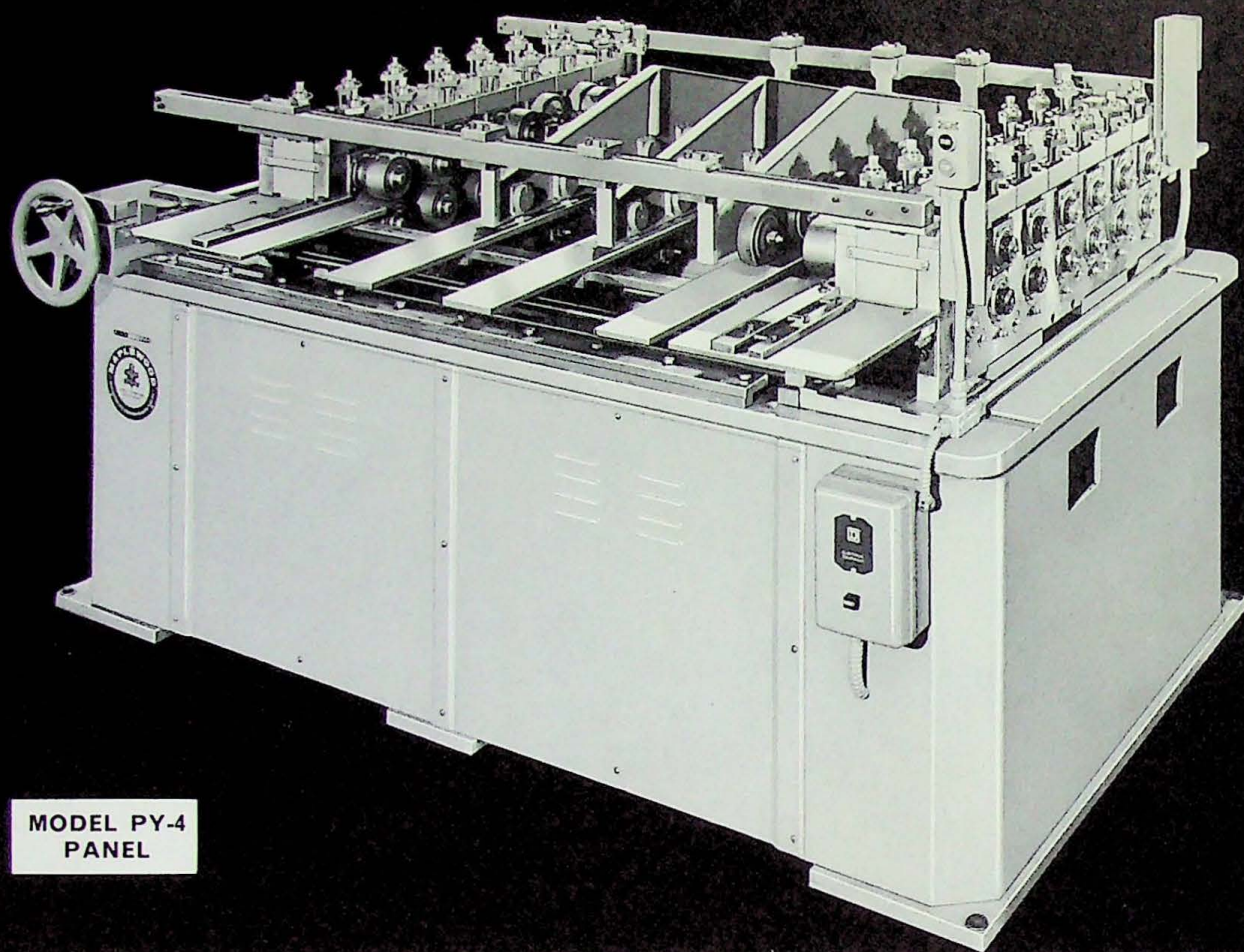
MODEL	PTF-7	PTR-55
Capacity (depending on shape)	16 gage	16 gage
Number of Forming Stations	10-18	8-16
Pitch Diameter (Vertical Distance between Spindles)	7"	5½"
Longitudinal Distance between Spindles	15"	11"
Spindle Diameters	2½"	2"
Blank Accommodations between Housings, Adjustable	12" to 48"	8" to 60"
Forming Speed (Lineal Feet Per Minute)	40-120	40-120
Motor (Minimum Horsepower)	10	10



**MODEL PTF-7
PANEL**



**MODEL PTR-55
PANEL**



**MODEL PY-4
PANEL**

PANEL TYPES

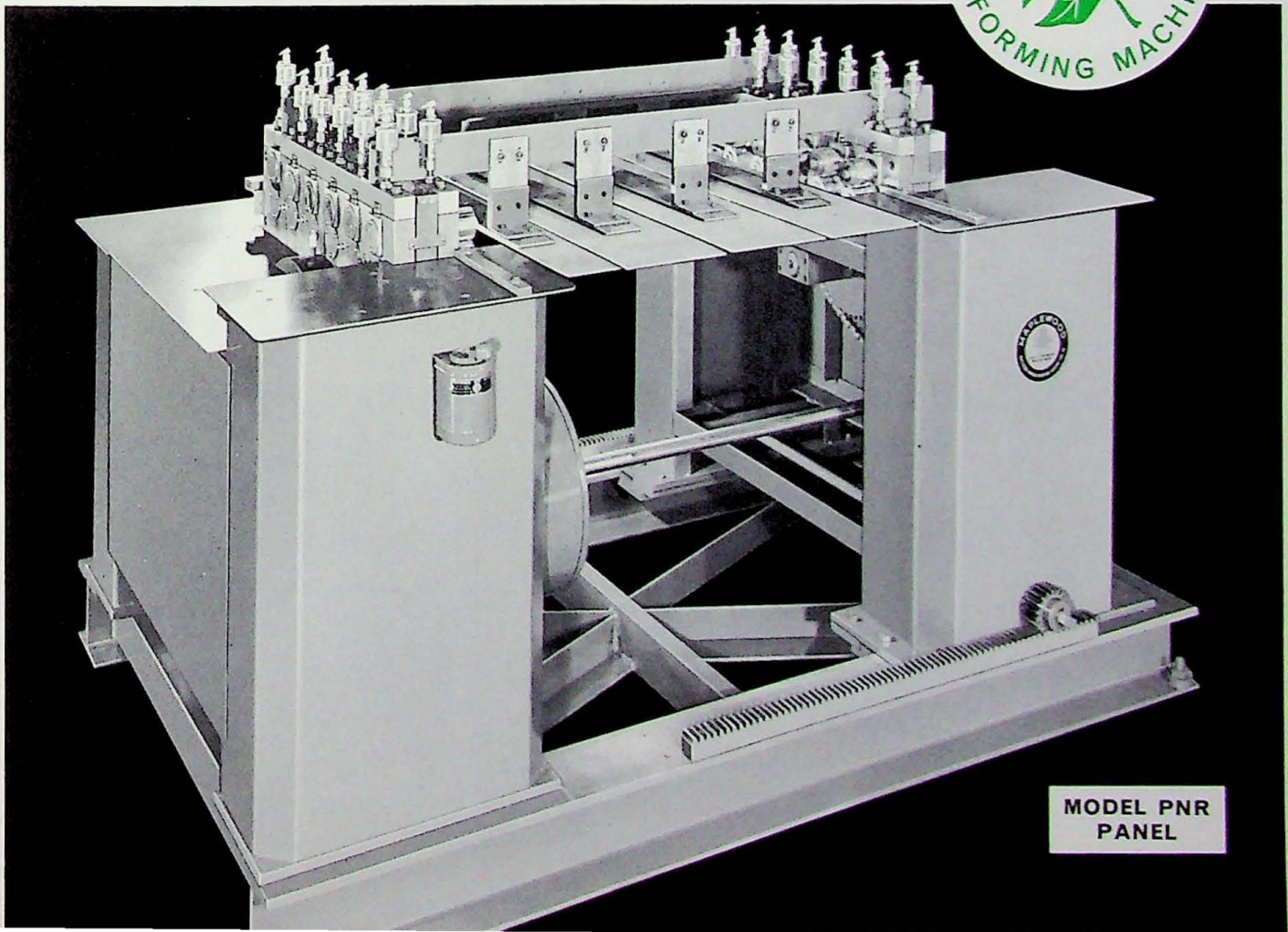
MODEL	PY-4	PG-27	PNR
Capacity (depending on shape)	20 gage	24 gage	20 gage
Number of Forming Stations	8-12	9	6-7
Pitch Diameter (Vertical Distance between Spindles)	4"	2 $\frac{3}{4}$ "	2 $\frac{3}{4}$ "
Longitudinal Distance between Spindles	8"	5"	4 $\frac{1}{2}$ "
Spindle Diameters	1 $\frac{1}{2}$ "	1"	1"
Blank Accommodations between Housings, Adjustable	12" to 36"	9" to 48"	10" minimum 36" - 48" - 72" (one maximum width to be selected)
Forming Speed (Lineal Feet Per Minute)	40-120	40-70-100 (as selected)	40-70-100 (as selected)
Motor (Minimum Horsepower)	7 $\frac{1}{2}$	3	3



MODEL PG-27
PANEL



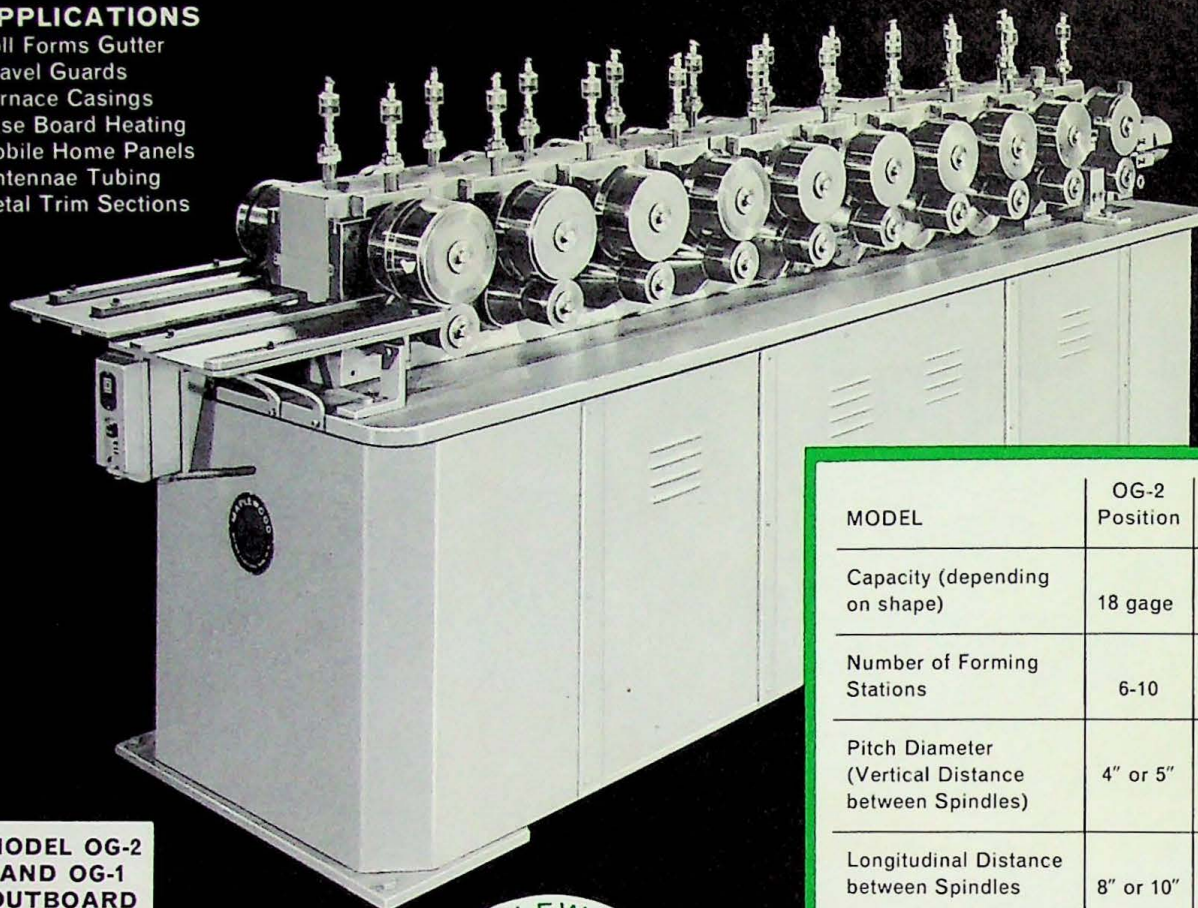
PANEL TYPES



MODEL PNR
PANEL

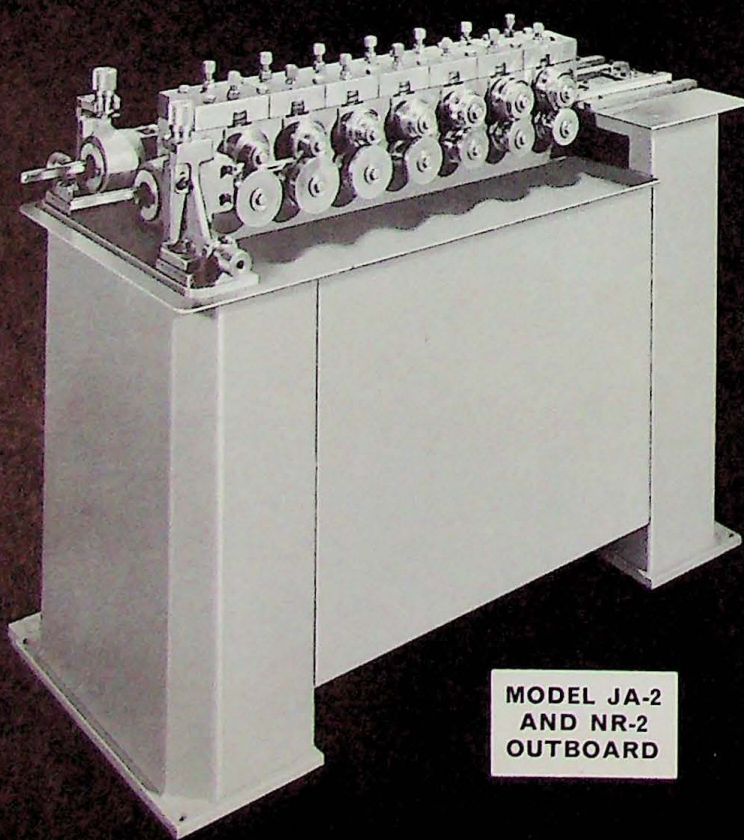
APPLICATIONS

Roll Forms Gutter
Gravel Guards
Furnace Casings
Base Board Heating
Mobile Home Panels
Antennae Tubing
Metal Trim Sections



**MODEL OG-2
AND OG-1
OUTBOARD**

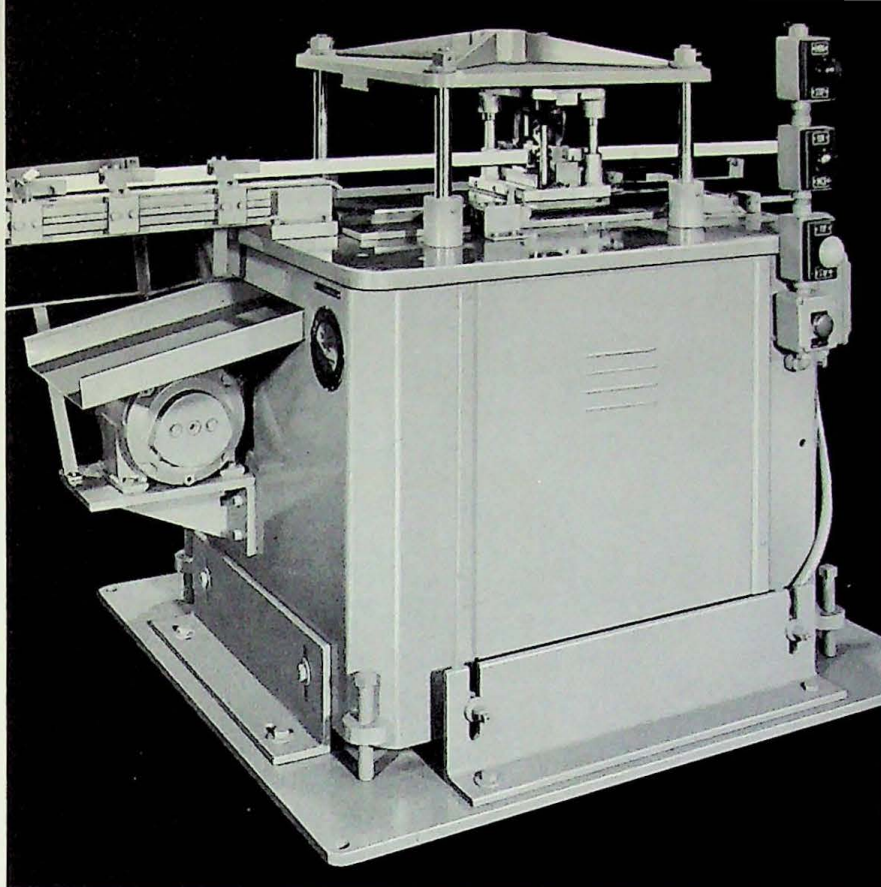
OUTBOARD TYPES



**MODEL JA-2
AND NR-2
OUTBOARD**

MODEL	OG-2 Position	OG-1 Position
Capacity (depending on shape)	18 gage	18 gage
Number of Forming Stations	6-10	6-10
Pitch Diameter (Vertical Distance between Spindles)	4" or 5"	4"
Longitudinal Distance between Spindles	8" or 10"	8"
Spindle Diameters	1½"	1½"
Forming Speed (Lineal Feet Per Minute)	40-120	40-120
Motor (Minimum Horsepower)	5	5

MODEL	JA-2 Position	NR-2 Position
Capacity (depending on shape)	18 gage	20 gage
Number of Forming Stations	7	6-7
Pitch Diameter (Vertical Distance between Spindles)	3½"	2½"
Longitudinal Distance between Spindles	6"	4½"
Spindle Diameters	1½"	1"
Forming Speed (Lineal Feet Per Minute)	45	45
Motor (Minimum Horsepower)	2	1½



CUT-OFF MACHINE

The new Maplewood Cut-Off Machines are designed for continuous production cutting of formed sections to pre-determined lengths. Standard equipment on each machine includes Fawick air clutch and brake, safety switch, micro trip switch mechanism, top and bottom die slides, die bumper pad, die return springs, welded steel frame with adjustable base for positioning, and push button operated electrical controls. Capacities for each model are listed.

MODEL	#1	#2	#3	#4
Capacity (Tons)	5	10	25	40
Maximum Stock Width	6"	15"	7"	12"
Stroke Length (Standard)	2"	2"	2"	2"
R.P.M. Of Crankshaft	273	280	200	200
H.P. Motor	1½	2	5	7½

ROLL FORMING LINE SPEEDS OUTPUT, CUTS COSTS

Typical high production, completely automatic Maplewood roll forming production line. Consists of coil reel, roll forming machine and flying cut-off. Can be used for producing lock-seam tubing, aluminum window screen sections, drawer slides, aluminum siding and a variety of other sections at speeds up to 150 fpm. Run Out Table is available.

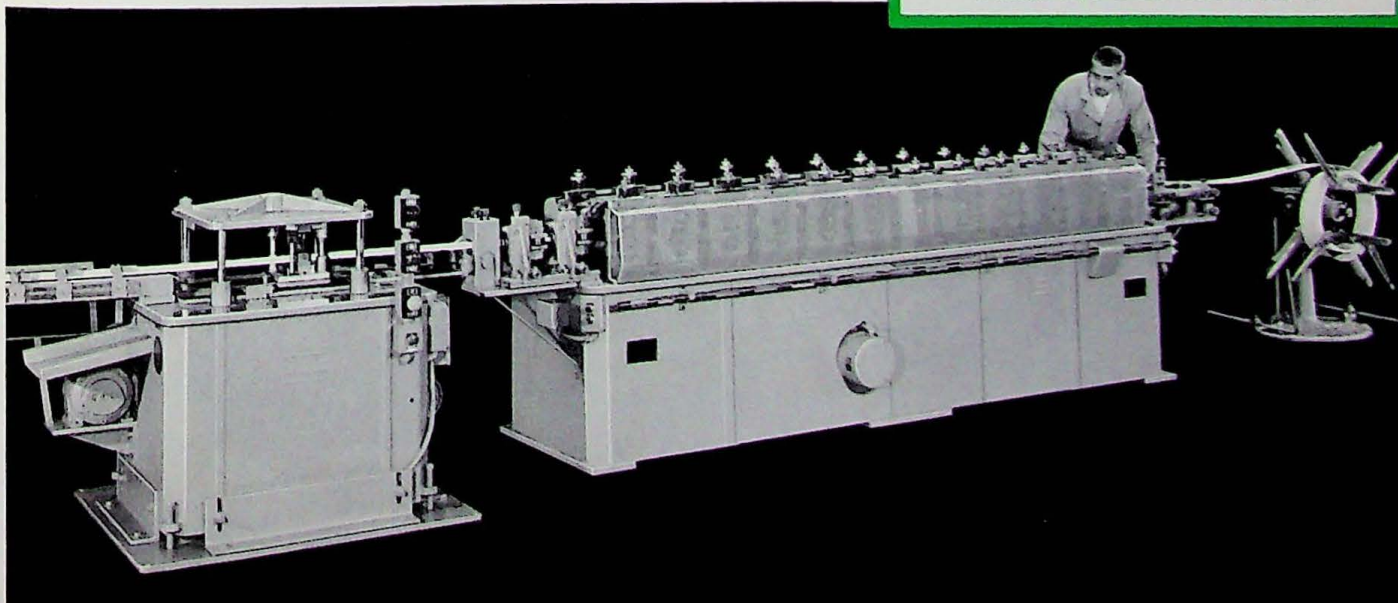
MAPLEWOOD DIVISION

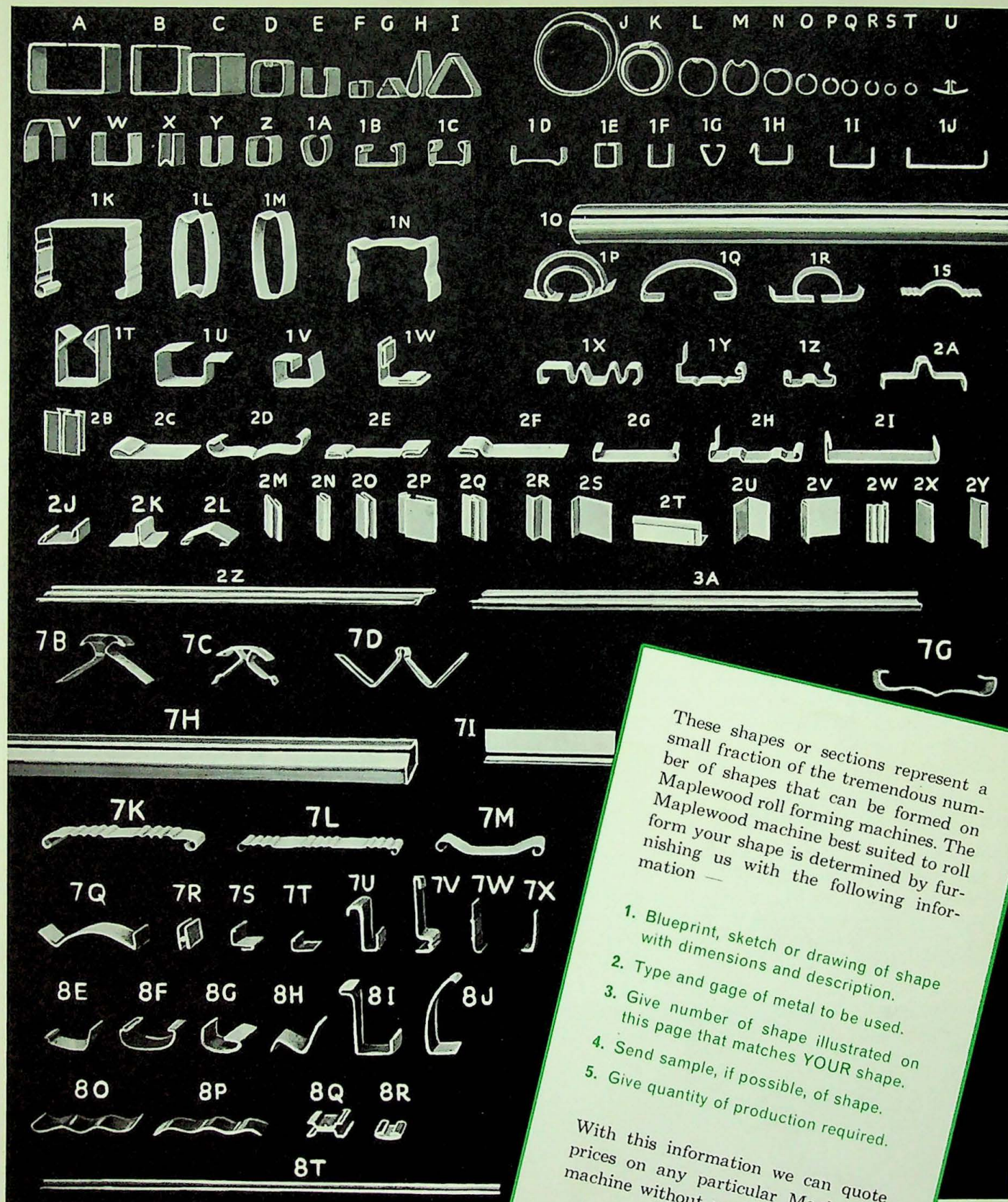
**ROCKFORD
MACHINE TOOL CO.**

2500 Kishwaukee Street
Area Code 815 • 963-7611

ROCKFORD, ILLINOIS, U.S.A.

A Subsidiary of GREENLEE BROS. & CO.





SOLD BY

These shapes or sections represent a small fraction of the tremendous number of shapes that can be formed on Maplewood roll forming machines. The form your shape is determined by furnishing us with the following information —

1. Blueprint, sketch or drawing of shape with dimensions and description.
2. Type and gage of metal to be used.
3. Give number of shape illustrated on this page that matches YOUR shape.
4. Send sample, if possible, of shape.
5. Give quantity of production required.

With this information we can quote prices on any particular Maplewood machine without needless delays.

Maplewood Roll Forming Machine

HEAVY DUTY U D M

GENERAL

Model UDM is manufactured in accordance with the latest advancement in machine design, materials and production methods, with high standards of workmanship maintained throughout each step, coupled with skillful finishing and precision assembly.

The machine has main drive through air clutch and brake and is designed to accommodate various gages of metal at speeds related to the shapes being formed. Top and bottom spindles are readily removed. Variable speed motors are furnished with fast adjustment to control forming speeds.

The machine is equipped with steel cut, heat treated gears and has a welded steel frame. Each station is driven through a worm gear set running in an oil bath. Worm shafts of successive stations are coupled together with a chain coupling. The drive from the pinion stand to the roll shafts is through an offset constant velocity coupling...and tapered roller bearings are used throughout.

Worm gear Ratio - 24:1

Gear ratio -equal - 48/48 = 1:1
unequal - 56/40 = 1.4:1

Pass line Height - 40" approx.

Base to Center Line of Bottom Roll Shaft -10"

CAPACITY SPECIFICATIONS

Capacity (depending on shape)	1/4" mild steel
Number of Forming Stations	as required
Pitch Diameter, adjustable	8-3/4" - 13"
(Vertical Distance between Spindles)	
Longitudinal Distance between Spindles	22 -1/2" minimum
Spindle Diameters	4" to 5"
Blank Accommodations between Housings	15" to 60"
Forming Speed (Lineal ft. per minute)	up to 250' FPM
	-depending on shape
Motor	as required



MAPLEWOOD DIVISION

DIVISION OF GREENLEE BROS. & CO

2500 Kishwaukee St., Rockford, Ill. 61101 U.S.A.

A Unit of Ex-Cell-O Corporation



20 STATIONS

UP TO 1/4" STEEL

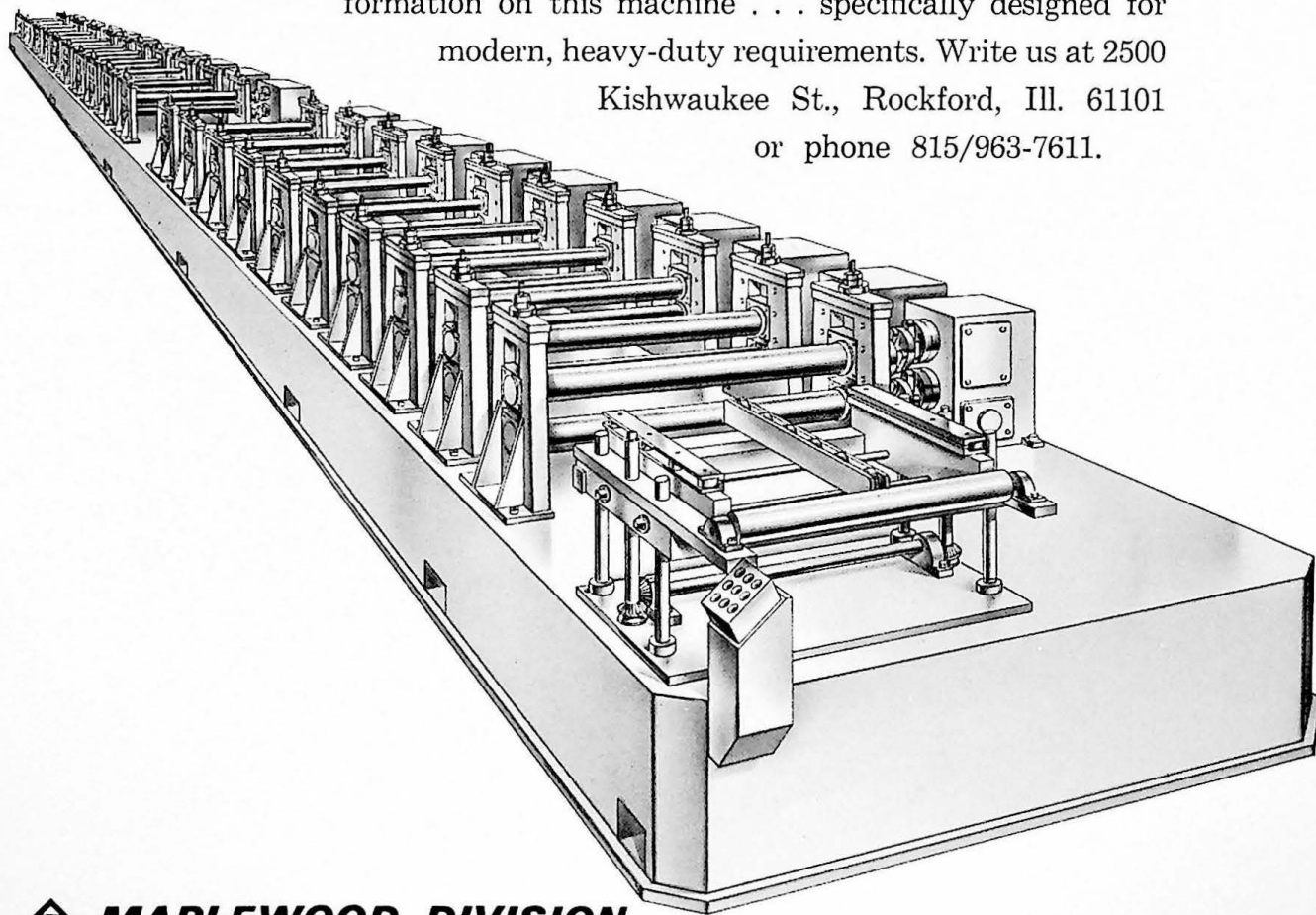
5" SPINDLES

100 HORSEPOWER

Maplewood's newest and largest Roll Forming Machine...

Here's a machine that can really handle the big jobs. Worm gear drive, running in oil, gives it power and precision . . . forms stock as heavy as 1/4 inch mild steel. Tooling is easily changed. Top and bottom spindles are readily removed, greatly reducing change-over time. Applications include structural members, heavy building panels, bridge decking etc. Let us furnish you with complete information on this machine . . . specifically designed for modern, heavy-duty requirements. Write us at 2500

Kishwaukee St., Rockford, Ill. 61101
or phone 815/963-7611.



MAPLEWOOD DIVISION
ROCKFORD MACHINE TOOL CO

SUBSIDIARY OF GREENLEE BROS & CO

A Unit of Ex-Cell-O Corporation



No. 3909