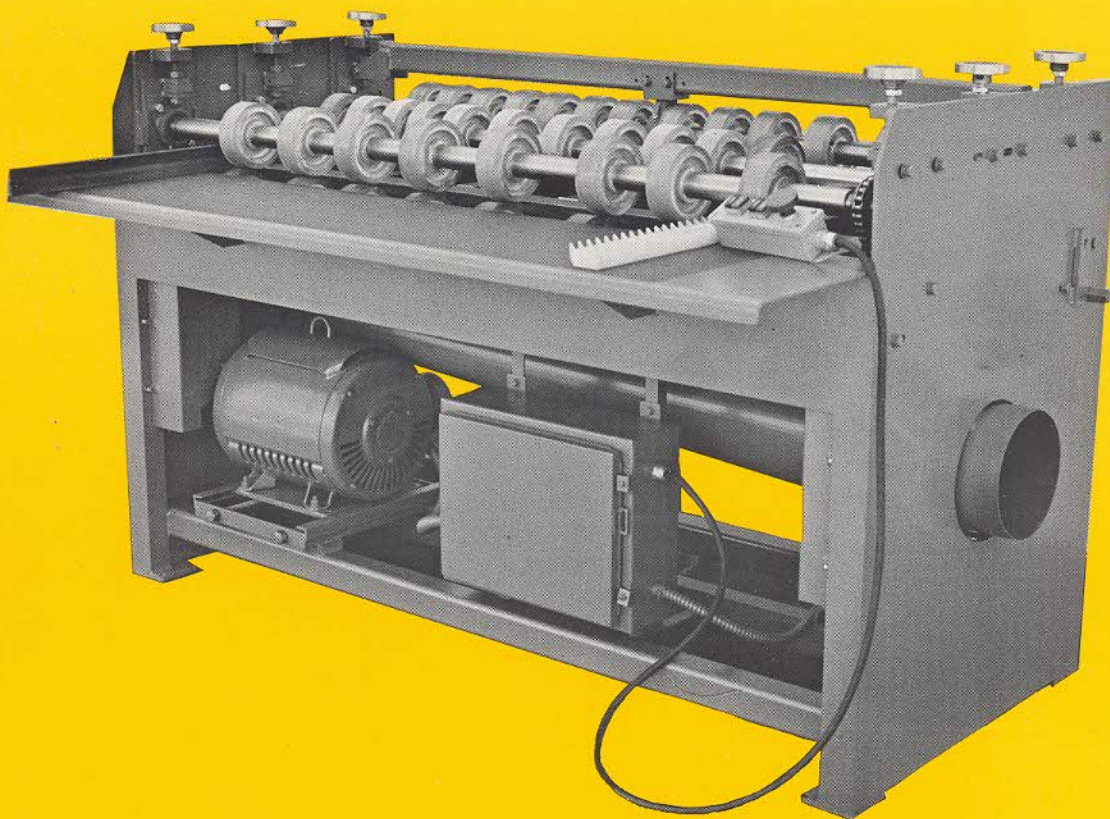


# *multiscore*



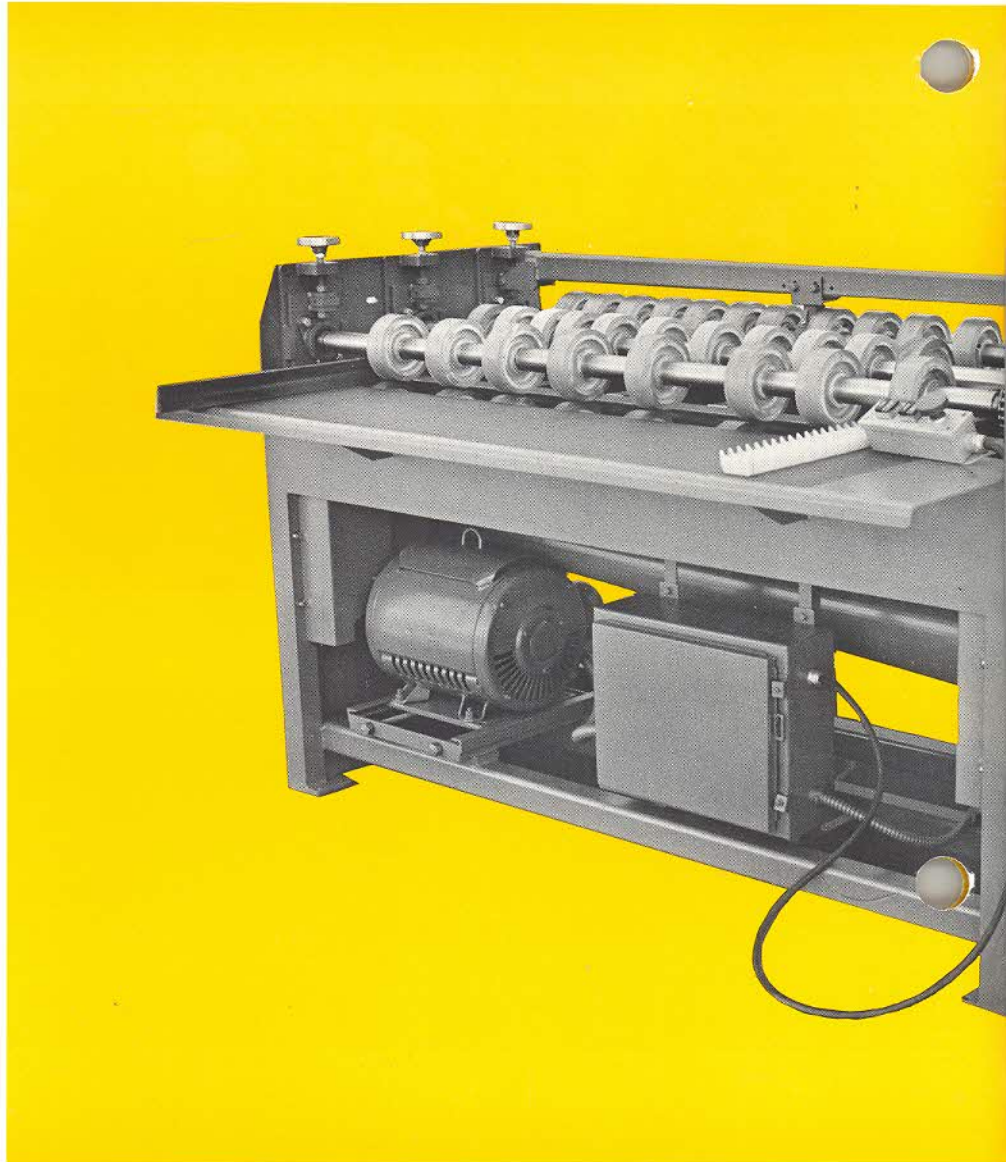
## **Model MR-21 Panel Rip Saw**

*Continuous duty multiple rip  
and grooving machine*

# Model MR-21 Panel Rip Saw

## *The Multiscore Model MR-21 Rip Saw*

A 5' capacity multiple cut panel saw capable of sawing, dado grooving and face grooving plywood, particle-board and hardboard. Designed for medium production use in cabinet manufacturing and specialty cut-to-size plants, the MR-21 offers accuracy, efficiency, and simplicity of operation running 24 hours a day.



### **Tooling**

Stock construction includes four 40-tooth tungsten carbide tipped saw blades, especially designed to minimize noise. The blades are split for mounting by halves on collars which adjust laterally as required to a minimum spacing of 2¼". Collars secure by brass-tipped set screws to a 3<sup>1</sup>/<sub>16</sub>" dia. arbor turning at 3450 RPM. The arbor is end supported only, allowing blade settings at any position.

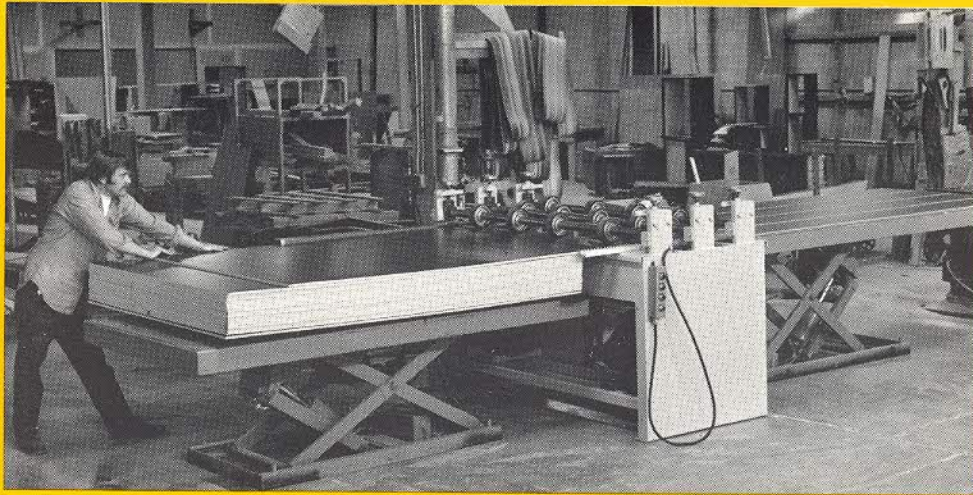
The Model MR-21 will simultaneously rip and dado or rabbet groove a panel simply by adding the necessary tooling. The saw arbor easily adjusts vertically to control groove depths.

### **Feed system**

Panels are carried completely through the machine by polyurethane-covered rolls driven by a ¾ HP single speed motor. Feed shafts adjust vertically for various thicknesses of panels up to 1".

Feed speed, normally 75 ft./min., is factory set for each machine's usage and may be adjusted in-plant by replacing one drive sprocket. A ¾ HP variable speed motor is available as an option.

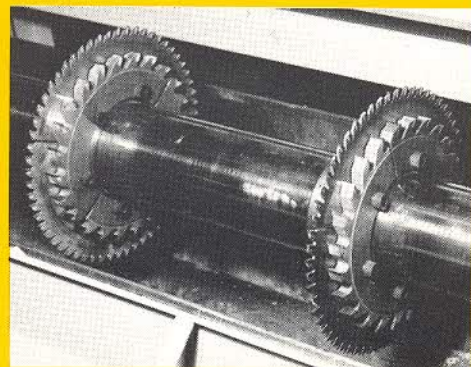




*Feeding and offbearing with scissor lift*



*Free access to arbor during changeover*



*Split tooling mounts on laterally adjustable collars*

## **Installation**

The overall dimensions of the Model MR-21 are minimized to permit efficient use of floor space. A scissor lift or roll case should be installed directly before and after the saw to serve as infeed and outfeed tables. Table height accommodates a 30" stack on top of a scissor lift.

## **Safety**

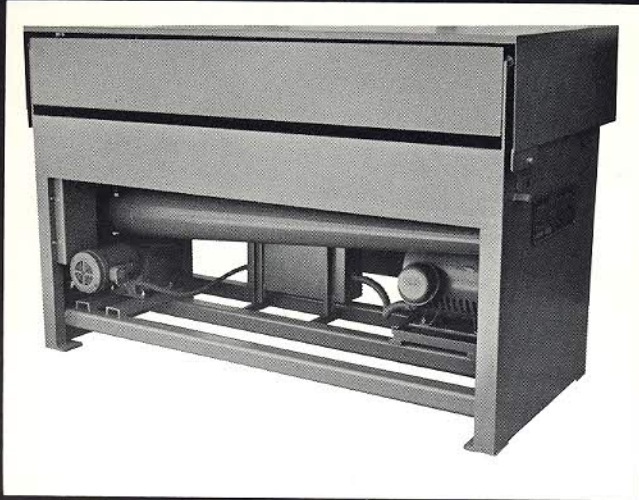
Full metal guards cover feed wheel pinch points and the saw arbor for operator safety. Control voltage is normally reduced to 115v. a.c.

## **Guide fences**

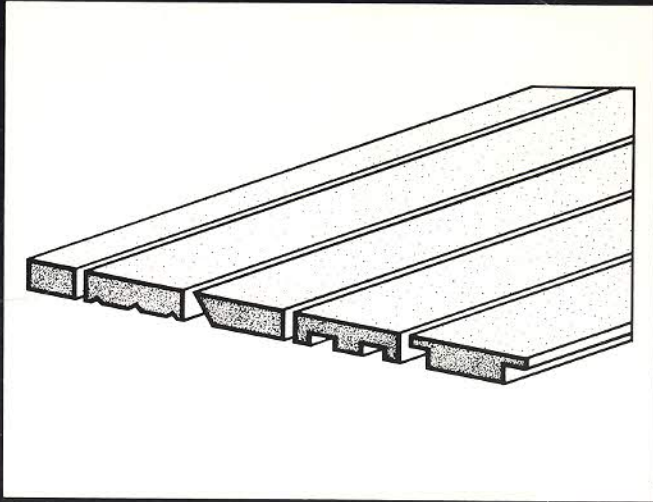
A straight guide rail extends from 4 feet before the first feed rolls completely through the machine. The panel constantly presses against this guide during feed, insuring accurate, straight cuts. A plastic holdover fence opposite the guide rail helps maintain proper panel feed.

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*Out feed view, guards installed*



*Versatility: multiple rip  
dado, rabbet grooving  
decorative face grooving*

Capacity .....	62"
Table Height .....	40"
Dimensions .....	L: 50" W: 81" H: 52"
Weight .....	2900#
Arbor Motor .....	20 HP 3600 RPM
Feed Motor .....	¾ HP geared
Feed Speed .....	75 f.p.m. (or as required)
Tooling .....	Four 10"x40 T carbide tipped blades
Maximum Thickness .....	1"
Electric Service .....	As required—Controls: 115v a.c.
Dust Collection .....	One 10" dia. outlet
Optional Equipment .....	Variable speed feed motor Provision for additional tooling Narrow cut spacing

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