



# MEREEN-JOHNSON

Leading Technology - Lasting Performance

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## 400 Series Fixed Arbor Dip Chain Multiple Rip Saws



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***High Production, Higher Yield, Low  
Maintenance, Glue Joint Accuracy***

## *Leading Technology - Lasting Performance*

Guaranteed Glue Joint Accuracy  
Minimal Maintenance  
High Production  
Higher Yield



Mereen-Johnson Multiple Rip Saws offer straight line precision gang ripping with glue joint accuracy. Our “Posi-Feed” high friction feed bed provides optimum accuracy with no slippage using the same dependable “DOUBLE-VEE” feed chains utilized on Mereen-Johnson Tenoners. We currently have nearly 2,000 of these high production rip saws in use around the world meeting a wide range of applications.

### **Guaranteed Glue Joint Accuracy**

Straight, smooth, and square joints.  
Field proven glue joints using high frequency or clamp carrier systems.

### **Reliability and Performance**

Fixed arbor saws offer the greatest production capacity.  
Robust construction requiring minimal maintenance.

### **Precision Dimension Parts**

Minimum moulder allowance for increased yield.  
Width accuracy guarantee is +/- .005”.

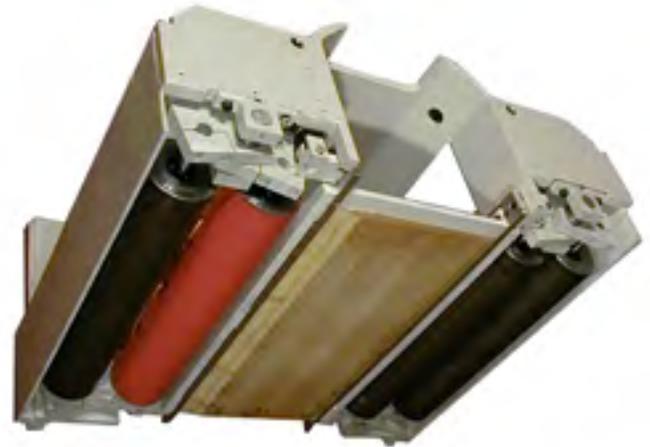
### **More Models - More Choices**

Our Dip Chain Series rip saws are the “Standard of the Industry”.  
Available in 12”, 24”, 31” and 40” width capacities.  
Short Stock Models for cut first and recovery operations.  
Shifting Blade Models for maximum flexibility and yield recovery.

# Pressure Head

Full width air loaded roller hold downs and full width bed plate provide positive containment of material.

Available in smooth, rough, and short stock designs. Split pressure head designs are also available for side by side feed applications.



# Safety

Two rows of upper, and one row of lower fixed mounted anti-kickback fingers.



Zero rotation sensor, air actuated brake and door interlock, for safety and reduced down time.

Additional row of outfeed anti-kickback fingers.



# Feed System

Dual, hardened steel "DOUBLE-VEE" feed chain and rail system. Oil mist lubrication with low level auto shut-off.



Exclusive hardened contoured "Quiet Cam" design for smooth operation.



High strength aluminum slats with replaceable high friction steel backed rubber inserts.

Direct coupled feed drive with variable frequency speed control and overload protection. Feed rates 30-225' per minute, higher rates optional.



# Arbor

Severe duty, direct drive arbor motor eliminates belt tensioning and maintenance.



Heavy duty overbeam and cast aluminum slip-off end bearing.

# Change-Over

Infeed gauge bar facilitates laser light alignment.



Mereen-Johnson's Twistlock fixed blade setting system provides fast and easy change-overs without saw spacers

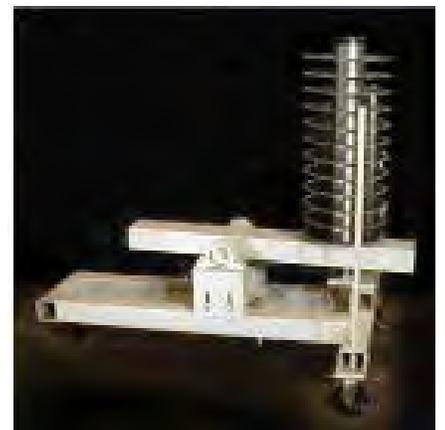


Standard removable sleeve and saw spacers provides high accuracy.

Purchase a spare sleeve and spacer set allowing off line set-up for reduced down time.



Optional tip-up cart assembly provides the preferred vertical set-up method. Cart and swing arm combination eliminates the need to manually lift the sleeve.



# WORLD CLASS PERFORMANCE



Mereen-Johnson Rip Saws deliver consistent, reliable accuracy, whether ripping for moulding stock, dimension, edge glued panels, or re-ripping finger joint blanks for edge gluing.

## APPLICATIONS:

### *Moulding Stock*

Whether it's ripping random width solid lumber or full sheets of MDF, Mereen-Johnson offers greater accuracy and wider capacity machines for better utilizing your raw materials, increasing your profit margins.

### *Dimension Stock*

Precision components, S4S blanks for cabinet shops, re-ripping for salvage/reclaim operations. Increased accuracy means fewer rejects and higher value.

### *Edge Glued Panels*

Ripping solid wood and re-ripping finger joint blanks for edge glued panels. Some saw manufacturers say their machines can provide glue joint accuracy. We guarantee it! With minimal maintenance your Mereen-Johnson saw will provide glue joints for many years.

## INTERNATIONAL SPECIFICATIONS:

Certifications:  CE,  UL,  C-UL available.

Electrical: Available in 60 cycle 230, 380, 460, 575 volt. 50 cycle 380, 415 volt.

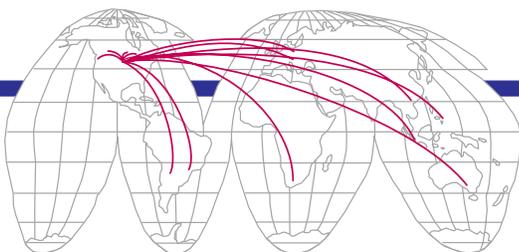
Arbor Drive: Belt driven arbors with 75 HP, 100 HP, 125 HP, or 150 HP motor options.

Tooling: Arranged for 80 mm bore, smooth bore, single or double keyways.

Spacers: Imperial or metric dimensions available.

Shipping Arrangements: CIF, by request.

**Mereen-Johnson offers more choices to meet your application requirements!**



Mereen-Johnson has nearly 2,000 machines in operation worldwide with local representation for sales and services support.

# A Mereen-Johnson Rough Mill System Increases Yield, Production, Accuracy; and Reduces Change-Overs

## RIP OPTIMIZING

Complete Rough Mill Rip Optimizing Systems available with multiple measuring and scanning technologies to meet your application requirements. Maximum board utilization can be realized by optimizing each board for width and length to your defined cutting requirements.



## SPECIFICATIONS:

- Models:** 412-DC, 424-DC, 431-DC, 440-DC standard length capacity series; 424-DCS, 431-DCS (Short Stock Series)
- Application:** Multiple straight line and glue joint ripping.
- Capacity:** Arbor widths of 12 inches, 24 inches, 31 inches and 40 inches. Thickness of 1/4 inch to 3-1/2 inch. Right hand throat clearance 5 inches beyond capacity. Standard DC Series minimum length: 22 inches for bust up; 30 inches for glue joint rips; Short Stock DCS Series minimum length: 14 inches for bust up; 22 inches for glue joint accuracy.
- Production:** Feed rates infinitely variable 30 to 235 FPM. Variety of optional HP and feed rates available to 300 FPM.
- Shipping Weight and Dimensions:** Approx. 9,500 lbs.; 7'L x 7'W x 6'H (depending on model)
- Arbor:** Powered vertical raise and lower and disc type arbor brake standard. 2-3/16 inch diameter arbor complete with slip-off outboard end bearing. HP range to 150. Saw sleeves for 3-1/8 inch bore tooling. Aluminum saw spacers precision machined and dynamic balanced.
- Feed:** Exclusive Posi-Feed friction bed with extruded aluminum feed slats and replaceable steel backed rubber insert strips carried on precision DOUBLE-VEE heat treated chains and track. Feed bed dips at saw line to allow infinite saw spacing. Oil mist lubrication of chain and track with low level/pressure shut-off switch in oil reservoir.
- Guide:** Slide type quick-adjusting guide optional. Complete infeed systems with adjustable guides optional.
- Hold Downs/Bed Plate:** Powered vertical adjust of press rolls and bed plate for thickness adjust. Four air loaded overhead press rolls on DC Series, five air-loaded on DCS Series. Full width easily replaceable bed plate.
- Sound Enclosure:** Machine mounted sound enclosure standard.
- Features:** Standard equipment includes upper dust hoods, lower dust chute with exhaust hood, infeed double upper and single lower anti-kickback fingers, outfeed upper anti-kickback fingers, safety lock-out on arbor access door, one complete set of assorted saw spacers and set-up tools.
- Optional:** Additional removable saw sleeves; saw blades and spacers to order; saw sleeve set-up cart, and saw sleeve swing arm.

## ENGINEERING TECHNOLOGY FOR PROFITABLE SOLUTIONS



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