



Joseph
machine

DM-4590 TWO-HEAD DOUBLE MITER SAW

DM-4590 is a double miter saw with one servo driven movable saw assembly riding on linear rail to accommodate cut lengths from 14 to 144 inches at 90°. Both saw heads cutting angles can be adjusted from 45° to 90°. The cut length is set by downloadable files or at the operator PC. The material is cut between saw blades ensuring length accuracy.

BASE MACHINE

- Available in Left to Right feed orientation only
- Estimated machine cycle time: 7-10 seconds per cycle
- Cut length Tolerance: ± 0.015
- Saw feed is pneumatically activated by Air/Oil cylinders
- Saws – One 45° - 90° saw on a fixed head
 - ▶ Angle of saw is pneumatically adjustable
 - ▶ Equipped with 3 HP (3450rpm) motor
 - ▶ Cuts with a 16" carbide tipped saw blade
- Head moves via servo on precision ground rails and linear (lubed for life) bearings
- Manually adjustable flow control for saw stroke
- Includes saw shrouds with vacuum ports
- Saws guarded by pneumatically actuated sheet metal on fixture side
- Fusible disconnect with OSHA compliant lockout
- Controls – PLC control system
- Electrical 2 hand tie down for machine operation
- Heavy duty machine powder coated tubular steel frame
- Ergonomic working height (38 1/2"), fine adjustments made via leveling feet
- 1/2" Filter/Regulator with OSHA compliant lockout/tagout
- Coalescing air filter
- Machine lubrication – Grease fittings at each linear bearing

Continued On the Back ↺

MACHINE OPTIONS

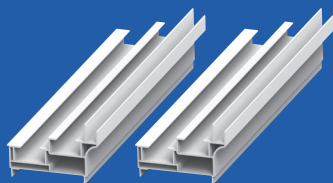
- Custom color powder coating
- Auto-Lube lubrication system for cutting
- Dust collection system
- Transformer available for different voltages

Fixture:

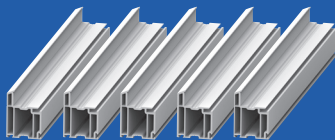
- 2 Track Frame or 4 Track Sash Customized per profile(s) Machined, anodized aluminum fixture
- Alternative fixture material and coatings available
- Vertical clamping with UHMW clamp pads

Saws:

- Servo positioning for cut length
- Max. saw blade diameter is 18"
- 5 HP motor available
- Servo positioning for saw angles



Cut in Pairs (Frame)



Batch Cut (Sash)

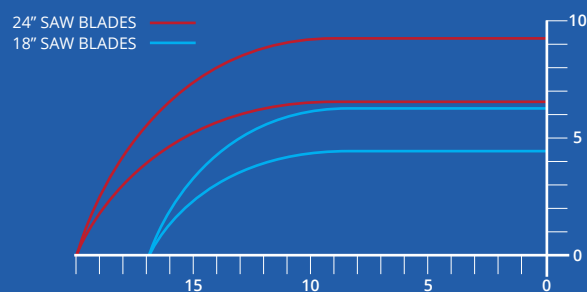
In-feed:

- Stainless steel table
- In-feed – 10' Roller table

Controls:

- Touch-screen monitor
- Combined PC + PLC control system
- Networkable
- Upgrade safety packages
- Production data can be downloaded using JMC CSV file format
- Label printing

DM-4590 CUT ZONES



TECHNICAL SPECIFICATIONS

- Power: 240V AC (20A – 3 Phase)
480V AC (15A – 3 Phase)
- Air: 80-100 PSI
- Warranty: One year Parts

