



The RTM-1000 is an automated saw with dual adjustable angle saws which work in conjunction with a perpendicular support arm, both positioned via ballscrew. This design provides for efficient cutting of most geometric window designs, including round top windows and sills, gabled windows and octagon windows.

RTM-1000

BASE MACHINE

- → Cut zone profile / angle dependent
- → Estimated cycle time: 8 10 seconds
- → Cut length tolerance: ±0.031
- → Fabrication (angular) tolerance: ±0.5°
- → Includes positioning outrigger support for arched profiles
- → Retractable safety guarding around saw heads
- → Machine capacity
 - Minimum width = 24" (end cut at 90°)
 - Maximum width = 120" (end cuts at 90°)
 - ► Minimum height = 0"
 - Maximum height = 96"
- → Ergonomic working height (37"), fine adjustments made via leveling feet
- → Heavy duty machined, powder coated, tubular steel frame
- → Saws / outrigger move to desired position on precision ground rails and linear bearings

- → Manual width, height, and angle adjustment
 - Digital readout for width and height adjustment
 - Scale for angle adjustment
 - Equipped with angle locking lever
 - Equipped with width and height pneumatic brake
- → 1/2" filter / regulator with OSHA compliant lockout / tagout
- → Coalescing air filter
- → Fusible disconnect with OSHA compliant lockout / tagout
- → Controls PLC control system
- → Electrical two hand tie down for machine operation

BASE MACHINE (CONTINUED)

- → Saws Two saw assemblies
 - Angle manually adjustable from -45° to 90° (0° is horizontal axis)
 - Vertical stroke on precision ground rails and linear bearings
 - Equipped with 3 HP motors
 - Cuts with two 16" carbide tipped saw blades
 - Pneumatically activated by ail / oil cylinders
 - Manually adjustable flow control on saw stroke cylinders
 - Vacuum port at each saw

MACHINE OPTIONS

- → Custom color powder coating
- → Pro-lube lubrication system for cutting
- → Auto-lube system for machine lubrication
- → Chip trays
- → Guarding around the saw assemblies
- → Custom length / extendable outriggers
- → Saw max. saw blade diameter is 18"
- → Sill (straight) material supports available

Fixture:

- → Fixtures for straight and arched profiles
- → Customized per profiles
- → Machined anodized aluminum fixtures
- → Alternative fixture material and coatings available
- → Arch fixture
 - Outrigger fixture and clamp block
 - Fixture block at each saw
 - Horizontal arch clamps
- → Sill (straight) fixture
 - ► Flip-down back-ups
 - Removable horizontal sill clamps
- Individually adjustable and selectable vertical clamping

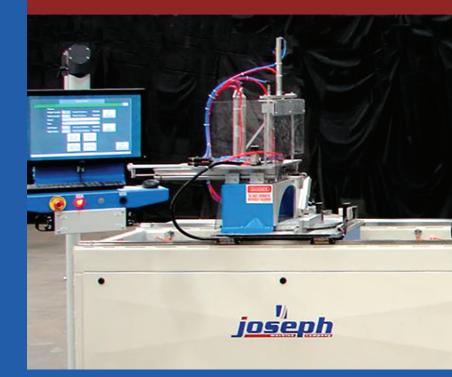
Controls:

- Touchscreen + PLC control system with servo controlled positioning for width and height
- → Digital readout for saw angle rotation

TECHNICAL SPECIFICATIONS

Power: 240V AC

- 480V AC
- Warranty: One year Parts



- → Servo control for saw angular positioning
- Width and height positioning via scanning of barcode
- → Transformer available for different voltages