



## RTM-1000

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.

### BASE MACHINE

- Cut zone profile / angle dependent
- Estimated cycle time: 8 – 10 seconds
- Cut length tolerance:  $\pm 0.031$
- Fabrication (angular) tolerance:  $\pm 0.5^\circ$
- Includes positioning outrigger support for arched profiles
- Retractable safety guarding around saw heads
- Machine capacity
  - ▶ Minimum width = 24" (end cut at  $90^\circ$ )
  - ▶ Maximum width = 120" (end cuts at  $90^\circ$ )
  - ▶ 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 air / 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

