



Joseph
machine

MRMC STEP-THRU MEETING RAIL & COMMON JAMB PROCESSOR

Automate the processing of meeting rails and common jambs. Take continuous head and sill window system fabrication to the next level. The MRMC can load and index material, cut and fabricate lock dimples/holes, balance fabs, nite latch routes and other fabrications while also cutting to length and coping the ends of the profiles. Reduce scrap, improve part quality and worker safety while increasing your productivity.

BASE MACHINE

- Custom fixtures, guides
- 16' to 24' CNC in-feed provides precise accuracy for fabrication placement and OA part length
- Thru-beam photo eyes for automatic stock length detection
- Easy systems start by control cables at in-feed load station, for part grip, and cycle start
- Saw assemblies with 16" carbide tipped saw blades
- Servo and ball-screw horizontal blade feed
- Hydro-pneumatic blade feed along 45° axis
- Saw blade chassis guided on precision rails and linear bearings
- 3 HP direct drive variable frequency saw blade motor, spin at 3450 RPM
- PC HMI with .NET ,Windows Operating System
- Network ready and batch production capable
- Machine sequencing and CNC control through industrial programmable logic controller
- 18" x 5' exit-side table with stainless steel top
- Pneumatic clamping system
- Heavy duty steel inner frame
- Aluminum sealed outer safety housing
- Powder coated finish, blue over white
- 1/2" filter/regulator with OSHA compliant lockout/tagout
- Tapered sheet metal enclosed bottom with vacuum port (Substituted for pull out trays for aluminum machines)
- Out feed scrap chute
- Left to right or right to left orientations

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MACHINE OPTIONS

- Dust collection system
- Custom color finishes
- Safety package upgrades
- Auto-lubrication system for bearing and ball-screw lubrication
- Pro-Lube lubrication system for extended blade life

Fixtures:

- 2 or multi track custom fixtures
- Machined anodized aluminum fixtures
- Alternative fixture material and coatings available
- Vertical/Horizontal clamping custom designed to profile design

Saw Assemblies:

- Servo controlled positioning along 45° axis for saws via ball screw
- 18", 20", 22" diameter carbide tipped saw blade
- 5 HP saw motors

Fabrication Modules:

- Electric drills
- Electric router with variable frequency drives
- Hydraulic system for high power fabrication to process aluminum extrusions.
- Full CNC control in all axis

Control Systems:

- Upgrade to Allen Bradley Control System
- Transformers available for different voltages

Software:

- Lineal optimization
- Preventative maintenance software (tooling change)
- Tail end utilization by stock parts or future batch parts
- Label printing

In-feed:

- Dual axis in-feed for height and width simultaneous processing
- Custom in-feed lengths accommodate 20' or 24' lineal
- Optional pre-load systems
- Diffuse photo eyes for independent mill length detection
- Quick change in-feed gripper and UHMW guides
- Linear encoder
- Optional gear rack system for higher precision

Out-feed:

- 10' roller table standard
- Power conveyors
- Optional wiper tables & extractor systems
- Optional laser marking stations

TECHNICAL SPECIFICATIONS

- Power: 230/480 V
- Air: 80 -100 PSI
- Warranty: One year Parts and Service (excluding travel)

