



EM-1000

The EM-1000 is an automated End Mill equipped with a high-speed precision spindle and custom carbide cutter, which strokes horizontally to fabricate the ends of various precut profiles.



BASE MACHINE

- 6" High x 9" Wide cut zone
- Estimated Cycle time: 15-18 seconds per cycle
- Fabrication Tolerance: ± 0.010
- Machine lubrication – Grease fittings at each linear bearing
- 4 HP (3400rpm) motor (Keyed 30mm Spindle)
- Motor carriage rides on precision ground rails and linear bearings
- Pneumatically activated by air/oil cylinder
- Manually adjustable flow control on cutter stroke cylinder
- Controls – PLC control system
- Electric foot pedal activation
- Variable frequency drive
- Fusible disconnect with OSHA compliant lockout
- Ergonomic working height (from 38 1/2" to 40"), fine adjustments made via leveling feet
- Heavy duty powder coated steel frame
- Chips diverted to vacuum port
- 1/2" Filter/Regulator with OSHA compliant lockout/tagout

TECHNICAL SPECIFICATIONS

- Power: 240V AC
480V AC
- Air: 80-100 PSI
- Warranty: One year Parts and Service (Includes on-site installation and training where applicable)

MACHINE OPTIONS

- Custom color powder coating
- Pro-Lube lubrication system for cutting
- Dust collection system
- Auto-Lube system for machine lubrication

Fixture:

- One or multi pocket customized fixtures
- Machined anodized aluminum fixture
- Custom tooling for fabrication
- Alternative fixture material and coating available
- Vertical/Horizontal clamping
- Material Stop

Cutter Stack:

- Single custom carbide tipped cutter stack
- Multiple cutter stacks available within cut zone limit

In-feed:

- Enclosed material support table
- Stainless Steel support table

Controls:

- Electric 2-Hand Tie Down available
- Transformers available for different voltages