



**Joseph**  
machine

## CGM-QC

The CGM-QC is designed to cut and notch grid bars automatically using the servo-controlled in-feed, automated straight cut saw and optional die module. The easy-to-use graphical interface (JMC Grid Maker option) automatically determines the appropriate cut length and fabrication based on the entered window size and number of grid lights required. Cut files are manually entered, loaded by USB jump drives, or downloaded via available network connection. Utilizing quick change fixtures and die modules, the CGM-QC is designed to be a versatile processor capable of fabricating multiple types of grid profiles and screen material.

### BASE MACHINE

- Standard machine is set up to run aluminum grid profiles
- Cut length tolerance: 0.010
- Fabrication location tolerance: 0.015
- Fabrication tolerance: 0.010
- Saws - One 90° saw
  - ▶ Equipped with a 1/2 HP (3450rpm) motor
  - ▶ Cuts with a 10" saw blade
- Manually adjustable flow control for saw stroke
- In-feed servo controlled In-feed accommodates 16' lineal (Right to Left feed orientation only)
- Thru-beam photo eyes for mill length detection
- Profiles fed along UHMW guide assembly
- Controls – combined PC + PLC control system
- Networkable - Production data can be downloaded using JMC CSV file format
- Ergonomic working height (from 36" to 41-1/2"), fine adjustments made via leveling feet
- Removable chip tray with vacuum port
- Machine interrupt switch on rear hinged door
- Pro-Lube lubrication system for cutting
- Machine lubrication - grease fittings at each pivot bearing
- Heavy duty powder coated steel frame
- Fusible disconnect with OSHA compliant lockout/tagout
- 1/2" line filter/regulator with OSHA compliant lockout/tagout
- Coalescing air filter
- Custom color powder coating

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## MACHINE OPTIONS

### Fixtures/Dies:

- Single Track fixture for Fishmouth Die
- Max. profile size for Single Track Fishmouth die is 1-1/8"W x 1/2"H
- Two to four track fixture for Vertical Notch Die based on material size
- Max. profile size for 4 Track Vertical Notch die is 1"W x 1"H
- Custom tooling for fabrication per profile(s)
- Vertical clamping
- Horizontal Clamping for Vertical Notch Die
- Coated steel interchangeable die extending to in-feed
- Pneumatic and electrical quick disconnects
- Fixture identification

### In-feed:

- Optional in-feed lengths available
- Linear encoder

### Out-feed:

- Stainless steel table
- 10' Roller table
- Power conveyor

### Software:

- JMC grid maker
- JMC lineal optimization
- JMC 4-2-1 optimization
- Label printing

### Controls:

- Upgraded safety packages
- Touchscreen monitor
- Transformers available for different voltages

## TECHNICAL SPECIFICATIONS

- Power: 110V AC
- Air: 80-100 PSI
- Speed of Axis: Estimated cycle time: 4-6 seconds cut-to-cut for a 2' length
- Warranty: One year Parts and Service (Includes on site installation and training where applicable)

