



Joseph
machine

SC-90 & SC-90 PLUS

The SC-90 is an automated straight-cut saw, with optional servo-controlled in-feed. The SC-90 PLUS is a larger format of the same saw accepting blades up to 34". The material is cut to length based on cut files that are manually entered, loaded by USB jump drives, or downloaded via an available network connection. Saw blade diameters are offered up to 36". Custom fixtures for multi-track processing are available.

BASE MACHINE

- Estimated machine cycle time: 8-12 seconds per cycle
- Cut length Tolerance: ± 0.015
- One 90° saw assembly equipped with a 12 HP motor and 36" carbide tipped saw blade
- Flow controlled saw stroke
- Saw is pneumatically activated by air/oil cylinders
- In-feed
 - ▶ Servo controlled In-feed accommodates 16' lineal
 - ▶ Left to Right or Right to Left feed orientation
 - ▶ Thru-Beam photo eyes for mill length detection
- Fusible disconnect with OSHA compliant lockout/tagout
- Controls – combined PC + PLC control system
- Networkable
- Production data can be downloaded using JMC CSV file format
- Ergonomic working height, fine adjustments made via leveling feet
- Heavy duty powder coated steel frame
- Removable chip tray with vacuum port
- 1/2" Line Filter/Regulator with OSHA compliant lockout/tagout
- Coalescing air filter

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MACHINE OPTIONS

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

Fixtures:

- Universal vertical clamping and saw guard with tabletop wear plates
- Dedicated custom fixture with horizontal clamping
- Custom tooling for fabrication
- Machined anodized aluminum fixture
- Alternative fixture material and coatings available
- Stock Crowder

Saws:

- 18" (SC90) to 36" (PLUS) diameter carbide tipped saw blade
- Shroud for greater dust control
- Variable frequency drive with brake

Software Options:

- Lineal Optimization
- Tail End utilization by stock parts or future batch parts
- Label printing

In-feed:

- Optional in-feed lengths accommodate 20' or 24' lineals
- Single set pre-loader to accommodate 16', 20' or 24' lineals
- Double set pre-loader to accommodate 16', 20' or 24' lineals
- Diffuse photo eyes for independent mill length detection
- Quick change in-feed gripper and UHMW guides
- Linear encoder

Out-feed:

- 5' table with stainless steel top
- 10' roller table
- Power conveyor

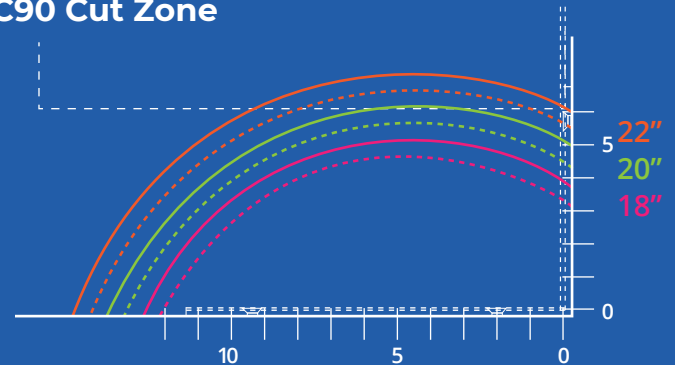
Controls:

- Touch-screen monitor
- Additional monitor
- Upgraded safety packages
- Transformer available for different voltages

TECHNICAL SPECIFICATIONS

- Power: 240V AC 480V AC
- Air: 80-100 PSI
- Warranty: One year Parts

SC90 Cut Zone



SC90 Plus Cut Zone

