

Patriot Granite Saw Model M127-18

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Machine Base Description and Materials:

- 10" x 10" x 1/2" tubing bridge structure
- A36 plate steel construction
- 1 1/4" A36 steel plate end trucks
- 1/2" A36 36 steel plate dead structure
- 1018 CR steel plate head structure
- 6" x 6" Square Tube Support Rails
- 3/4" CR bar rail tracks
- Epoxy Paint

Tilt Table Description and Materials:

- 4" x 4" x 1/4" tubing tilt table base structure
- 1/2" x 8" HR plate
- C4 x 5.4# channel table frame
- 12 gauge sheet metal surface
- Structural and plate steel materials
- Removable Slab Support Pins
- Primary air brake with adjustable positions @ 45 degree increments
- Separate air brake mechanism for random angle adjustment locking
- Hydraulic control lift and lower
- Deck ready for concrete
- Epoxy Paint



Machine Component Description and Specifications:

- Premium Efficiency Arbor drive motor 10hp
- Arbor belt driven 1:1 ratio
- Arbor rpm 1750
- Cutting length 10'-6"
- Lateral Travel 10'-6"
- Blade diameter 14" - 18" max.
- Locking flange diameter 6 "
- Vertical travel 16"
- 50mm Arbor

Standard Features:

- Touch Screen Control
- Hand held control pendant
- Laser alignment guide
- Tri-mode operation; Manual, semi-auto, and fully auto modes
- Saw head functions controlled from main control panel - all modes
- Swivel mounted operator interface panel - touch screen and speed controls
- Pendant control for manual operations
- Laser alignment guide
- Auto cross travel with step-cut sequence, 10 programmable cut dimensions
- Digital display Arbor motor amperage read-out via touch screen
- Last cut sequence for bottom edge of hard stone
- Cross travel drive - rack and pinion with variable speed AC motor w/VF control
- Cross travel movement on precision linear ball bearings and hardened, ground steel rails
- Retractable bellows/way covers to protect linear bearings
- Flange mount bellows for vertical screw actuator protection
- Automatic solenoid for water activation when blade starts
- Manual supply water shut-off valve by customer
- Easy-remove aluminum blade safety guard - blade changes made easy
- Proximity sensors for three axis saw over-travel protection
- Hydraulic controlled tilt table, up to 75 degree tilt
- Items quoted as standard features, previously as options.

Overall Dimensions:

- Height from floor to table surface: 32"
- Overall height: 9'-10" (app.)
- Rail height from floor: 50"
- Overall width: 17'-6"
- Overall length: 16'
- Centerline saw blade (min.):36" Centerline saw blade (max.):52" (Height dimensions for 18" blade only)

Price Includes:

Complete fabrication, components, assembly, and painting of Granite Saw. All systems tested and ready for operation. Operations manual, wiring schematic, and parts list. Prepared for shipping.

Patriot Saw Warranty:

Workmanship, fabricated components one (1) year from installation date.

Mechanical components, six (6) months or factory warranty term whichever is longer

Electrical components 60 days or factory warranty term, whichever is longer.

Motor limited warranty one (1) year based on factory assessment.

Delivery: Contact GCT For current delivery schedule

Terms

- 50% down, balance due before shipping saw
- Shipping support stands to be returned to Johnson Machine Engineering, Inc. freight to be prepaid by GCT.

Options:

- 15 hp main arbor motor, 1 speed.
- Steel structural foundation for std 16' rail (Instead of concrete wall)
- Motorized bridge rotation 0 to 50 degree with indicator
- Auto mode concrete table decking feature :
- Additional auto cut sequence parameters, up to 30 cuts
- Additional options available upon request

**Granite City Tool
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If you would like more information on any of our products please call us at **1-800-328-7094** or **(320) 251-8600**.