**WELDING POSITIONERS**

**PT-450M**

- Control Boxes
  - CR-004 Standard Control:
    - Remote Foot Switch with ON/ OFF control
    - Contactor Control (foot switch closes circuit)
    - Speed, & Time Adjustment 60 seconds
    - Variable Speed Foot control receptacle (plug) built in
  - CR-007 Standard Control Plus Sequencer
    - Sequencer Adjustable timers: 60 seconds
    - Initiate pneumatic Tail Stock & Torch Holders
    - Standard speed, time, & contactor controls
    - Retraction of pneumatic Tail Stock & Torch Holders
  - Optional Control Boxes:
    - CR-002 Standard Control Plus Weld Travel Control
      - Weld Travel Control with magnetic proximity switch:
        - 0-5 sec travel start delay, speed control, weld travel control 360° to 400° & return to original starting position by sensor setting.

- Optional Variable Speed Foot Control — VSFC-1K

**PT-201**

- Table angle adjustment with worm gears and crank handle
- Control Boxes
  - CR-001 Standard Control:
    - Remote Foot Switch with ON/ OFF control
    - Contactor Control (foot switch closes circuit)
    - Speed, & Time Adjustment 60 seconds

**PT-101**

- Manual table angle adjustment with locking screw
- Control Boxes
  - CR-007 Standard Control Plus Sequencer
    - Sequencer Adjustable timers: 60 seconds
    - Initiate pneumatic Tail Stock & Torch Holders
    - Standard speed, time, & contactor controls
    - Retraction of pneumatic Tail Stock & Torch Holders
  - CR-001V Factory Variable Speed Kit
  - CR-001VF Field Variable Speed Kit

- Standard Speed Ranges (A or D)
  - “A Range” is Low Speed - High Torque - Manual Welding
  - “D” Range is High Speed - Low Torque
  - PT-101 - 220lbs
  - PT-201 - 440lbs

- Speed range gear box field kits (easy four bolt installation)
  - 0351-0109 Gear Reducer, 1/15 [Speed Range A] 0.15 - 4 RPM
  - 0351-0115 Gear Reducer, 1/7.5 [Speed Range B] 0.3 - 8 RPM
  - 0351-0122 Gear Reducer, 1/15 [Speed Range C] 0.4 - 12 RPM
  - 0351-0129 Gear Reducer, 1/3.6 [Speed Range D] 0.55 - 16 RPM
  - Optional Speed Ranges (order field kit)

**OPTIMAL ACCESSORIES - Welding Chucks**

- (PT-101, PT-201 & PT-450M)
  - PG-150
    - Outside Clamp: 3/16” – 6”
    - Inside Clamp: 2” – 5-7/8”
  - PG-450 (Optional)
    - Welding Chuck
    - 3/16” – 18”
  - PG-500
    - Outside Clamp: 3/16” – 19-5/8”
    - Inside Clamp: 2-1/4” – 21-1/4”

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## WELDING POSITIONERS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>POWER INPUT</th>
<th>HORIZONTAL CAPACITY</th>
<th>VERTICAL CAPACITY</th>
<th>RATED CENTER OF GRAVITY</th>
<th>RATED ECCENTRICITY</th>
<th>TABLE DIMENSION (D)</th>
<th>ROTATION SPEED</th>
<th>ROTATION TORQUE</th>
<th><strong>ROTATION RATING @ ECCENTRIC CG</strong></th>
<th><strong>OVER HUNG LOAD TILT RATING @ ECCENTRIC CG</strong></th>
<th>WELDING TIMER</th>
<th>OVERALL LENGTH (A)</th>
<th>OVERALL WIDTH (B)</th>
<th>OVERALL HEIGHT (C)</th>
<th>TABLE TOP DIAMETER DIMENSION (D)</th>
<th>CENTER TO FLOOR (E)</th>
<th>NET WEIGHT</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>lb</td>
<td>lb</td>
<td>in</td>
<td></td>
<td></td>
<td>rpm</td>
<td>lb-in</td>
<td>lb@in</td>
<td>lb@in</td>
<td>second</td>
<td>in</td>
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<td>in</td>
<td>in</td>
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<td>-</td>
<td>220</td>
<td>165</td>
<td>2 (Max)</td>
<td>4 (Max)</td>
<td>12-5/8</td>
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<td>570</td>
<td>130lb@1 inch</td>
<td>130lb@1 inch</td>
<td>1600</td>
<td>16-1/4</td>
<td>16-1/4</td>
<td>13-3/8</td>
<td>12-1/2</td>
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<td>75</td>
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<td>PT-101D</td>
<td>1 Phase 110/220V 50/60Hz</td>
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<td>125</td>
<td>2 (Max)</td>
<td>6 (Max)</td>
<td>17-11/16</td>
<td>1-16</td>
<td>145</td>
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<td>280lb@2 inch</td>
<td>2000</td>
<td>25</td>
<td>24</td>
<td>25</td>
<td>17-1/2</td>
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<td>960</td>
<td>280lb@1 inch</td>
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<td>2000</td>
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</table>

**Specifications subject to change without prior notice.**

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### Technical Information

**PT-450M**

*Over hung tilt rating lb@CG height*

**PT-450M**

**Rotation rating lb@eccentric CG**

Technical diagrams

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**GENSTAR TECHNOLOGIES COMPANY, INC.**
4525 Edison Avenue, CA 91710
Tel 909-606-2726
Fax 909-606-6485