PTC-2 compact tie changer for standard cross and switch ties.

Above: PTC-2 removing a rail tie.

**FEATURES INCLUDE:**

- Adjustable workhead tilts approximately 40° vertically
- Lifting Bale
- Turn Table
- Travel drive system
- Off tracking assembly
- Controls operated by manually activated hydraulic valves with operator standing next to machine.
- Fitted with four wheels - allows it to roll from tie to tie.
- Adjustable rail clamps, tilting tie clamp work-head and horizontal extraction boom permit ties to be tilted during insertion or extraction to clear adjacent track.
- Two pair of raiserlower hydraulic cylinders mounted directly above each wheel. Machine can be raised a total of fourteen inches providing ample clearance between machine components and track. Can be rolled on track in up position to clear all obstacles without auxiliary lifting equipment.
- Side set-off wheels provided. When used with raiserlower system, permits PTC-2 to be off-tracked by operator.
- Turntable permits rotation to work either side of track enabling optimum machine access to switch ties.
- 2 wheel self-propelled walking speed for movement of PTC-2 from tie to tie.
- Compact and easy to transport.

**PTC-2 SPECIFICATIONS:**

- **Power Required & Cycle Time**
  - Minimum Power Required: 10 G.P.M. @ 2000 PSI (38 lpm @ 140 bar)
  - Boom Cycle Time: 26 seconds

- **Dimensions of Base Machine**
  - Length: 55" (140 cm)
  - Height: 60" (153 cm)
  - Width: 105" (270 cm)

- **Weight of Base Machine With Power Pack**
  - Approximately: 2,400 lbs. (1086 kg)

- **Boom & Clamp Specifications**
  - Extraction Boom Stroke: 48" (122 cm)
  - Extraction Force: 19,250 lbf (8560 daN)
  - Insertion Force: 12,600 lbf (5600 daN)
  - Tie Clamp Gripping Force: 20,000 lbf (8900 daN)
  - Rail Clamp Gripping Force: 11,000 lbf (4895 daN)

- **Tilting Tie Clamp Head Specifications**
  - Torque Up: 9000 ft. lb. (1211 daN)
  - Torque Down: 5900 ft. lb. (800 daN)
  - Rotation (vertical): 45° approx.

- **Track Gauge & Wheel Specifications**
  - Track Gauge: Standard 56¾" (143 cm)
  - Optional Track Gauge: 36½" to 42" (1 m to 1.087 mm)
  - Wheel Base: 33" (84 cm)
  - Raised Lower Vertical Travel: 14" (35 cm)

- **Travel Drive Specifications**
  - Speed: 3 mph (@ 0 Kph)
  - Motors: (one each side) 2
  - Final Drive: Chain

- **Side Set-off Tires Specifications**
  - Quantity: 2
  - Side Set-off Tire Size: 5.30-12

- **Misc. Specifications**
  - Turntable Base Size: 16" sq. (40 cm)
  - Power Pack Mounting Frame: 27" x 34½" (68 cm x 87 cm)

A comprehensive range of dedicated equipment for track and OHL laying and maintenance

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PTC-2 Specifications & Options

OPTIONS AVAILABLE:

RAIL LIFTING:
The PTC Rail Lifting Cylinders raise the rail to allow the plate to be removed manually.

CONCRETE TIE JAW SET:
Suitable for most concrete ties (mono-block sleepers).

PLATE CUT TIE GUIDE:
These plates help in the removal of plate cut ties.

CONNECTION HOSE KIT:
This is a short length pair of hoses with quick couplers at each end. They are used to connect the optional power pack to the PTC-1 or PTC-2 input couplers. Order Part # MTM-HYD-5’ KIT. (One required per machine).

OPTIONAL POWER SUPPLY DC-5/10:
(GAS OR DIESEL)
This feature provides a fully contained hydraulic power supply, which can be used to power the tie changer or connected to the unit’s hydraulic accessory tools. The power unit can be disconnected from the machine. There is a manually controlled oil distribution manifold on the front of the unit with HTMA quick disconnects on the supply and return ports. Flow rates are selected with on/off valves.

TRAILER TRANSPORT (ABOVE):
The PTC-2 Off Tracking Assembly permits clearance of machine from rail within 2 minutes. Highly effective where limited track line is available. Can also be utilized for loading/unloading PTC-2 on trailer for transport.

Gasoline Engine DC-5/10 Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivery</td>
<td>2 ports at 5 GPM each or 1 port at 10 GPM</td>
</tr>
<tr>
<td>Pressure</td>
<td>2000 PSI</td>
</tr>
<tr>
<td>Dimensions</td>
<td>38½” x 26” x 25” (97 cm x 66 cm x 87 cm)</td>
</tr>
<tr>
<td>Weight (Full)</td>
<td>340 lbs. (154 kg)</td>
</tr>
<tr>
<td>Oil Cooler</td>
<td>Forced Air</td>
</tr>
<tr>
<td>Power</td>
<td>Briggs &amp; Stratton 18 HP gasoline (Diesel available)</td>
</tr>
<tr>
<td>Fuel Capacity</td>
<td>3 US GAL (11 Liters)</td>
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<tr>
<td>Oil Capacity</td>
<td>4 US GAL (15 Liters)</td>
</tr>
<tr>
<td>Electric Start</td>
<td>12 VDC</td>
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