Track Shop
Undercarriage Track System

A complete undercarriage track repair solution, the Track Shop, provides a durable and reliable platform for repairing, rebuilding, and reconditioning heavy-duty, off-road vehicle tracks. The Track Shop is a comprehensive track repair system used to optimize shop efficiency, boost productivity, and increase profitability.

Track Shop makes track repairs more efficient and safer for the mechanic. Designed with the operator in mind, the Track Shop, increases operator productivity, while decreasing physical effort. The Track Shop's high-speed operational capabilities reduce the time on the track by as much as one-third when compared to others. This is the most comprehensive undercarriage track repair solution on the market.

Track Shop Key Features

- Compact operator's station designed for safety, productivity, and decreased physical effort
- Increased ram speeds result in decreased cycle times and quicker turn-around time
- Load-sensing pumps provide constant pressing speeds under load
- The "No-drift" hydraulic system produces precise and repeatable pin and bushing projections from the first link to the last
- Quick and easy tooling with T-slot tool bar mounts reduces set-up time
- Adjustable tooling knobs allows for simple fine-tuning of contact tooling position
- Pendant mounted winch control allows for one-man operation
- Up to 33% reduction in time that the track spends on the press when compared to others

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The Track Shop system consists of the Track Press, Torque Wrench, Indexer and Conveyor group. Contact Tooling and a Shoe Changing Station (no Track Press) are also available. The Track Press and the Torque Wrench are available separately as well.

Track Press

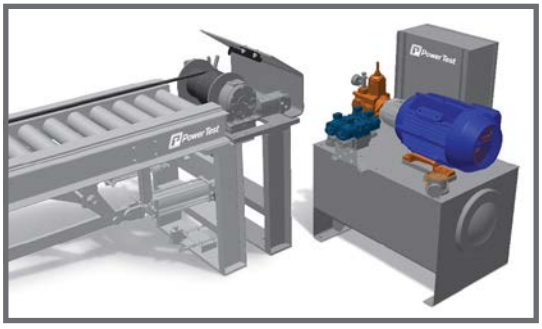
The Track Press is designed to increase operator safety. The Track Press puts heavy track parts within easy reach, and the user-friendly console configuration means the controls are in one place. The easy, exchangeability of tools between different track models and pitch sizes results in fewer required contact tools.

Torque Wrench

The Torque Wrench moves along the length of a conveyor and is a vital part of track chain service and pad (shoe) changes. The Torque Wrench is designed to save money on tooling. It significantly reduces damaged sockets and virtually eliminates torch cutting. The Torque Wrench is quiet, easy to operate, and prevents overtightening due to operator error.

Contact Tooling

The durable Contact Tooling design leads to fewer damaged track components, less tool wear, and longer tool life. Various sizes of track can be serviced with fewer contact tooling parts resulting in less storage space making it easier to operate.



Shoe Changing Station

The Shoe Changing Station will increase shop efficiency and help to maintain a safer work environment for operators. The hydraulic power supply lifts a group of track shoes off of the links, eliminating the need to manually handle the shoes during pin and bushing turns, and makes the pad changeover process quicker, easier, and safer.

Track Shop Specifications

Operations:

- Max ram force: 375 Tons
- Max ram travel: 30.5 cm (12.0 in)
- Max ram speed:
  - » Advance: 4.1 cm/s (1.6 in/s)
  - » Retract: 7.6 cm/s (3.0 in/s)
- Winch capacity: 53 kN (12,000 lb)

Cylinders:

- Stroke: 30.5 cm (12.0 in)
- Primary cylinder dia: 35.5 cm (14.0 in)—1 per side
- Secondary cylinder dia: 7.6 cm (3.0 in)—2 per side

Hydraulics:

- Fluid capacity: 871 liters (230 gal)
- Filtration: 10 microns/75 Beta ratio
- Max pressure: 31,715 kPa (4600 psi)
- Max flow rates:
  - » Piston pump: 83 lpm (22 gpm)
  - » Vane pump: 227 lpm (60 gpm)
  - » Pressure adjustment: Remote hydraulic
  - » Readout gauge: Calibrated in tons of ram force (no psi conversions necessary)
  - » Valving: All remote electric (Main rams are manual direct-operating)

Electrical:

- Voltage: 380/460 or 575/600
- Frequency: 50 or 60 Hz
- Motor: 22 kw (30 hp)
- Control Voltage: 24 VDC

(Note: AC transformers available for additional AC voltage requirements)

Size and Weight:

- (L x W x H): 2126.2 x 315 x 208 cm (837.1 x 124 x 82 in)
- Weight: 8,400 kg (18,500 lb) -- with 10 ft indexer