



**WTC MACHINERY** Engineered to perform. Built to last.

WTC Machinery is a global leader in designing and building machinery and tooling for heavy equipment repair facilities.

## WTC-385 Track Press

### Boost productivity with the industry's fastest cycle times.

The WTC-385 Track Press has the high force and rock-solid components needed to work the largest bulldozer and excavator tracks day after day. It can produce the fastest cycle times in the industry, thanks to high flow technology that comes standard on every unit.

#### ***New Joystick Controllers***

The ram force and speed of the WTC-385 are infinitely variable in forward and reverse. This makes the system highly efficient, since the pump only operates in full output mode when necessary, reducing energy usage and heat build-up. The ram is operated with a pair of joysticks, a new feature that provides more control and accuracy than standard manual valves.

The WTC-385 includes a wireless remote control that gives the operator the freedom to move around the unit and inspect it while various operations are being performed. For instance, the operator can walk along the chain as it's being loaded, or can visually confirm that the pads are lifting properly.

#### ***High-Mount Winch***

The narrow frame and spacious working area of the WTC-385 help reduce operator fatigue, putting heavy track parts within easy reach. It includes an indexing table and a 50-foot (15.2 meter) conveyor system to support and position the heaviest track chain. It also includes a high-force, high-mount winch that gives the operator a good view of the cable while extending or retracting it.

A hydraulic hold-down clamp keeps the track chain in position, prolonging tool life and minimizing track damage. Tapered locks and hold-down bolts secure the jaws. Jaw adapters are available. An optional shoe lifting system eliminates the time and effort of handling track shoes.



#### ***Smart Safety Features***

A door-mounted safety switch limits the system's pressing capabilities to reduce the possibility of injury. The new control console design uses low pressure, which protects the operator from possible leaks or breaks, and the large main cylinders also use low pressure for safe, economical, low-maintenance operation.

The WTC-385 accepts all popular models of tooling, including the 91-Series tooling and C-Style tooling available from WTC Machinery. It features tool mounts that precisely adjust in all directions, making tooling changes fast and simple, and adjustable bronze ways maintain tooling alignment under maximum working loads.



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## WTC-385 Track Press

### Specifications:

#### Main Rams

Pressing Force: 385/350M Tons  
Piston Diameter: 14 inches (356 mm)  
Stroke: 11 inches (279 mm)

<b>Ram Speed:</b>	50 Cycle	60 Cycle
Approach:	188 IPM (4.7 m/min)	188 IPM (4.7 m/min)
Pressing:	18 IPM (0.4 m/min)	21 IPM (0.5 m/min)
Return:	188 IPM (4.7 m/min)	188 IPM (4.7 m/min)

**Winch Force:** 12,000 pound (5450 kg-f)

#### Hydraulic System

Fluid Capacity:	100 gallons (380 liters)
Pressure at Full Ram Force:	5,000 psi (345 bar)
Maximum Flow Rate:	74.5 gpm (282 lpm)

#### Electrical

Main Motor:	40 Hp (30.0 kW)
Charge Pump:	0.5 Hp (0.43 kW)
Standard Voltages:	Three Phase
	208V / 60 Hz 125 A
	220V / 50 Hz 114 A
	230V / 60 Hz 110 A
	380V / 50 Hz 55 A
	415V / 50 Hz 62 A
	460V / 60 Hz 55 A

**WTC385 Track Press Specifications**

**COMPONENT DIMENSIONS**

	<b>Weight</b>	<b>Width</b>	<b>Height</b>	<b>Length</b>
<b>Track Press</b>	14700 lbs (6680 kg)	82 in (2,1 m)	110 in (2,8 m)	45 in (1,2 m)
<b>Control Console</b>	850 lbs (386 kg)	39 in (1,0 m)	44 in (1,1 m)	69 in (1.8 m)
<b>Index Table</b>	1800 lbs (820 kg)	28 in (0,7 m)	36 in (0,9 m)	130 in (3,3 m)
<b>Hydraulic Pump Unit (Dry)</b>	2000 lbs (910 kg)	44 in (1,1 m)	40 in (1,1 m)	62 in (1,6 m)
<b>Conveyor System (50 Foot)</b>	3200 lbs (1450 kg)	27 in (0,7 m)	36 in (0,9 m)	670 in (17,0 m)
<b>Optional Pad Lift (50 Foot)</b>	1800 lbs (820 kg)	See 50 Foot Conveyor System		

Operating Temperature Range ..... 50° to 100° F (10° to 37° C)

**RAMS**

Capacity ... 385 tons (350 t), each ram	<b>Speeds -</b>		
Travel ..... 11 inches (279 mm)		<u>50 Cycle</u>	<u>60 Cycle</u>
Ram Diameter: 10.0 inches (254 mm)	Approach	170 IPM (4,3 m/min)	188 IPM (4,7 m/min)
Piston Diameter: 14 inches (356 mm)	Pressing	18 IPM (0,4 m/min)	21 IPM (0,5 m/min)
	Return	170 IPM (4,3 m/min)	188 IPM (4,7 m/min)

**SADDLES AND CONTACT TOOLING**

The WTC385 Track Press accepts most current models of track saddles and contact tooling.

Please consult the "C"-Style Tool Catalog and the 91-Series Tool Catalog (available from WTC Machinery) for details on part numbers and proper use of tooling.

**HYDRAULIC PUMP UNIT**

<b>Pumps -</b>	<b>Electric Motors -</b>
Main Pump 74.5 gpm (282 lpm) 5000 psi (345 bar) max.	40 Hp (30,0 kW) and 1/2 Hp (0,43 kW) 3 Phase electric
Charge System Pump 0.5 gpm (2,0 lpm) 300 psi (21 bar) max.	<b>Standard Voltages:</b>
<b>Reservoir -</b>	<u>50 Hz (1500 rpm)</u> <u>60 Hz (1800 rpm)</u>
Total - 100 US gallons (380 l)	415V/62A,                      460V/55A
Usable - 80 US gallons (300 l)	380V/55A                      230V/110A
	220V/114A                      208V/125A
	Other voltages available

**WINCH**

Hydraulically powered winch loads the track chain onto the Conveyor System, with a 12,000 pound (5450 kg) pulling capacity.

**INDEXER**

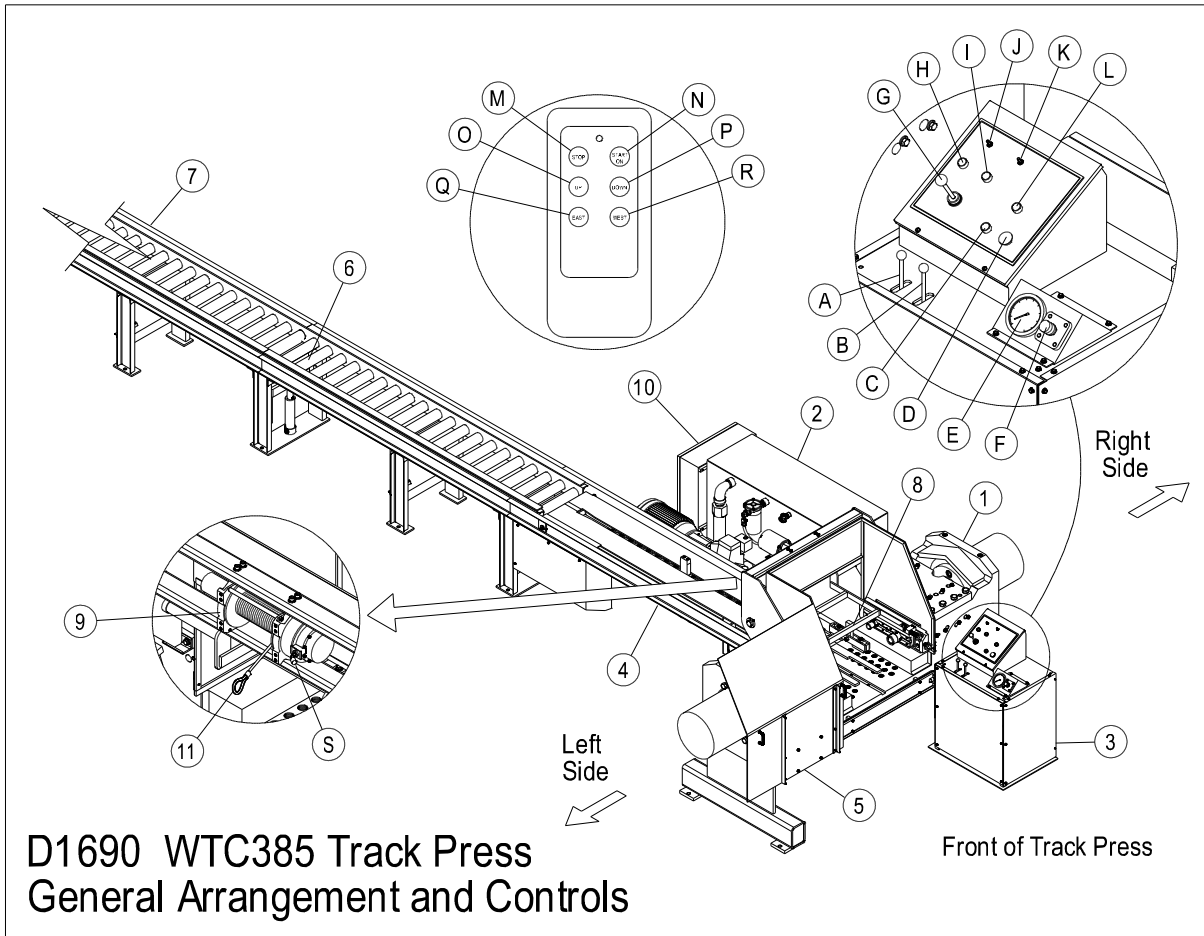
Hydraulically operated Indexer moves track in and out of work area.

**CONVEYOR SYSTEM AND OPTIONAL PAD LIFT SYSTEM**

**Conveyor System (C1091-050)** - Holds 50 feet (15,2 m) of track chain on heavy-duty roller conveyor sections.

**Optional Pad Lifting Device (D1429-050-SF)** - Matched to the 50 foot (15,2 m) Conveyor System Lifts and holds track pads off of the track chain, to reduce handling and labor time.

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**



**WTC385 Track Press – General Arrangement – Major Component Parts**

- 1) Track Press Frame (D1690 Sheet 2 of 2) –
- 2) Hydraulic Pump Base (D1685) – Supplies power for the Track Press.
- 3) Control Console (B3796) – Controls the Track Press functions.
- 4) Index Table (D1218-006) – Precisely moves the track chain during servicing.
- 5) Safety Door (D1646) – Protects the operator while using the Track Press
- 6) Conveyor System – Holds the track chain and makes its movement easy.  
The standard model Conveyor System (C1091-050-DA) holds 50 feet (15,25 meters) of track chain. Optional shorter Conveyor Systems (30, 35 and 40 feet) are available for confined spaces.
- 7) (Optional) Pad Lift System – raises and hold the track chain’s pads while the track chain is serviced.  
The Pad Lift Systems are available to match the Conveyor System lengths –  
The standard model is 50 foot (15,25 meter D1429-050-DA) and shorter models are available.
- 8) Track Clamp System (D1651) – Holds the track chain during disassembly and assembly.
- 9) Hydraulic Winch – Pulls the track chain onto the Conveyor System.
- 10) Power Enclosure – Location for the main electrical supply connection.
- 11) Winch Cable – Connects the Winch to the track chain.

## ***Operator Controls***

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### ***CAUTION!***

*The Main Rams, Index Table, Track Clamp, Winch and Pad Lift System contain pinch points which can cause serious injury. Always make sure people and objects are clear before using these devices.*

#### ***Main Control Console –***

- A) Right Main Ram Joystick – Move this joystick to extend and retract the Right Main Ram
- B) Left Main Ram Joystick – Move this joystick to extend and retract the Left Main Ram
- C) Pump Start Pushbutton – Press this button to start the electric motor and enable all other controls.
- D) Pump Stop Pushbutton – Press this button to stop the electric motor and turn off all other controls except the work lamps.
- E) Ram Force Gauge – Shows the pressing force of the Main Rams, in short tons (2000 pounds)
- F) Remote Pressure Control – Turn this control clockwise to increase the Main Ram force, and anti-clockwise to decrease the Main Ram force.  
The Pressure Control is used with the Set Pressure pushbutton (below).
- G) Index Table Joystick –
  - Index Lift Up - Push up on the joystick to raise the Indexer Table.  
Both rams must be retracted to raise the Index Table.
  - Index Lift Down - Push down on the joystick to lower the Index Table.
  - Indexer Reverse - Push left on the joystick to move the track chain away from the track press.
  - Indexer Forward - Push right on the joystick to move the track chain towards the track press.
- H) Clamp Up Pushbutton – Push the button to raise the Track Clamp.
- I) Clamp Down Pushbutton – Push the button to lower the Track Clamp.
- J) Worklamp Switch – Switch On to light the worklamps, and Off to turn off the worklamps.
- K) Remote Control Switch – Switch On to enable the Remote Control (below), which controls the Pad Lift and Winch. Switch Off to disable the Remote Control.
- L) Set Pressure Pushbutton – Press this button while adjusting the Remote Pressure Control (above) to set the Main Ram force.

#### ***Remote Control –***

- M) Start Button – Press this button to enable the Remote Control.
- N) Stop Button – Press this button to disable the Remote Control.
- O) UP Button – Press this button to raise the Pad Lift System, lifting track pads above the track chain.
- P) Down Button – Press this button to lower the Pad Lift System, lowering track pads back down to the track chain.
- Q) East Button – Press this button to retract (reel in) the Winch cable, pulling the track chain onto the Conveyor System
- R) West Button – Press this button to extend (pay out) the Winch cable.

#### ***Winch –***

- S) Winch Engage Lever – Turn the handle up to disengage the Winch, and freely pull out the Winch Cable. Turn the handle down to engage the Winch for pulling the track chain.





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## **MANUFACTURERS/BENEFICIARY'S WARRANTY CERTIFICATE WTC MACHINERY, LLC WARRANTY**

WTC MACHINERY, LLC warrants its products to be free from defects in material and workmanship under normal use and service for a period of twelve (12) months after date of shipment. WTC MACHINERY, LLC undertakes to be responsible for any defect that may arise due to faulty raw materials, design, workmanship and defective parts and to replace them without extra cost. Freight charges are the customer's responsibility. Our warranty is not transferable.

WTC MACHINERY, LLC shall have the option of requiring the return of all parts claimed defective. Parts proved to be defective, due to defect in workmanship and/or material, shall be either repaired or replaced free of charge, F.O.B. our designated factory. All parts warranty claims are subject to inspection by WTC MACHINERY, LLC and acceptance at the factory

Our warranty does not obligate us to bear the cost of labor or transportation charges in connection with the replacement or repair of defective parts and the removal and/or remounting of the parts repaired or replaced under this warranty, unless specifically authorized in writing by WTC MACHINERY, LLC. All parts returned to the factory must be shipped freight prepaid; no collect freight will be accepted by the factory. Forms authorizing such returns for inspection must accompany all returns.

This warranty shall not apply to products not manufactured by WTC MACHINERY, LLC. Outside purchased equipment and accessories (not of WTC manufacture) are warranted only to the extent of the original equipment manufacturer's warranty and subject to their allowance to WTC MACHINERY, LLC. In this respect, our warranty obligations must conform and be limited to the warranty extended to WTC MACHINERY, LLC by its suppliers as extended to the customer.

We shall, in no event, be liable for consequential damages or contingent liability arising out of the failure of any unit or part to operate properly, or that is subject to:

- Ordinary operating wear, abuse, misuse, or overloading;
- Repairs or alterations by parties other than WTC MACHINERY, LLC;
- The use of improper fluids, contaminated fluids or improper filtering;
- The use of improper voltage hookup in the electrical connections of any equipment;
- Negligence, accident or damages due to deterioration during periods of storage by the purchaser prior to installation and operation;
- Damages occurred in shipment after leaving factory en route to customers' delivery point, as title to equipment passes to customer when loaded onboard for shipment, f.o.b. factory, and customer must place his own claim against damaged goods directly to the shipping company and not against WTC MACHINERY, LLC, its factory, or any of its personnel.
- Damages due to circumstances beyond the control of WTC MACHINERY, LLC and in connection with fulfilling any obligation under this warranty.

To the maximum extent permitted by applicable law, in no event shall WTC Machinery, LLC be liable for indirect, special, incidental or consequential damages resulting from personal injury, loss of business profits or business interruption from the use of its products, or from the inability to use its products.

This warranty is exclusive and is in lieu of all other expressed and implied warranties, including but not limited to implied warranties or merchantability and fitness for a particular purpose. WTC MACHINERY, LLC shall not be subject to any other obligations or liabilities whatsoever with respect to equipment manufactured or supplied by WTC MACHINERY, LLC, or services rendered to it.