

WTC385 Track Press Specifications

COMPONENT DIMENSIONS

	Weight	Width	Height	Length
Track Press	14700 lbs (6680 kg)	82 in (2,1 m)	110 in (2,8 m)	45 in (1,2 m)
Control Console	850 lbs (386 kg)	39 in (1,0 m)	44 in (1,1 m)	69 in (1,8 m)
Index Table	1800 lbs (820 kg)	28 in (0,7 m)	36 in (0,9 m)	130 in (3,3 m)
Hydraulic Pump Unit (Dry)	2000 lbs (910 kg)	44 in (1,1 m)	40 in (1,1 m)	62 in (1,6 m)
Conveyor System (50 Foot)	3200 lbs (1450 kg)	27 in (0,7 m)	36 in (0,9 m)	670 in (17,0 m)
Optional Pad Lift (50 Foot)	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	Speeds -		
Travel 11 inches (279 mm)	50 Cycle		60 Cycle
Ram Diameter: 9.0 inches (229 mm)	Approach	110 IPM (2,8 m/min)	133 IPM (3,4 m/min)
Piston Diameter: 14 inches (356 mm)	Pressing	18 IPM (0,4 m/min)	21 IPM (0,5 m/min)
	Return	78 IPM (2,0 m/min)	94 IPM (2,3 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

Pumps -	Electric Motor -	
High Pressure Pump 10.5 gpm (39,7 lpm) 5000 psi (345 atm.) max.	30 Hp (22.5 kW) 3 Phase electric. Standard Voltages:	
Low Pressure Pump 22.0 gpm (83,2 lpm) 1000 psi (103 atm) max.	50 Hz (1500 rpm)	60 Hz (1800 rpm)
Reservoir -	440V/37A,	460V/35A
Total - 100 US gallons (380 l)	380V/42A	230V/70A
Usable - 80 US gallons (300 l)	220V/73A	208V/80A
	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

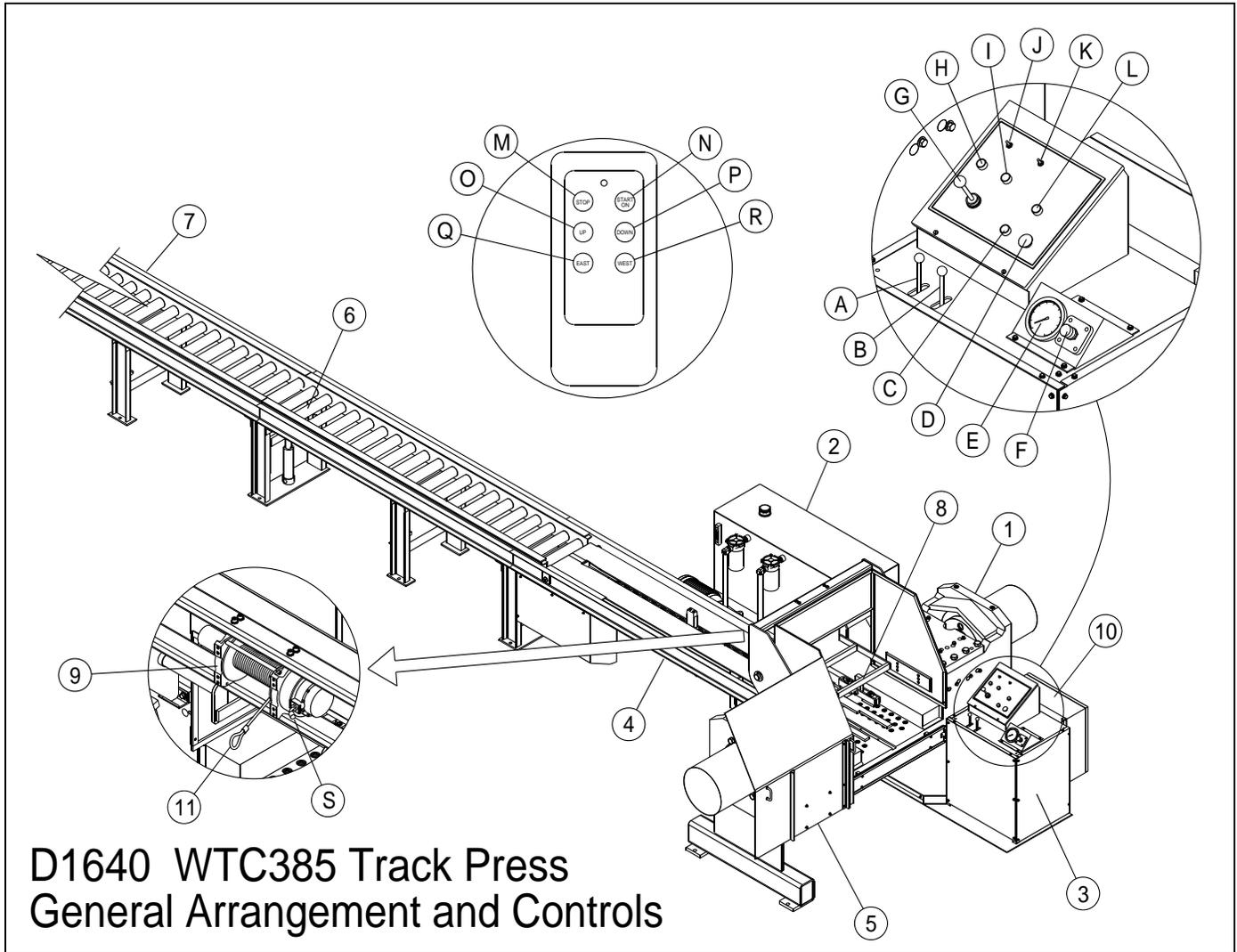
Hydraulically operated Indexer moves track in and out of work area.

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



D1640 WTC385 Track Press
General Arrangement and Controls

WTC385 Track Press – General Arrangement – Major Component Parts

- 1) Track Press Frame (D1639) –
- 2) Hydraulic Pump Base (D1647) – Supplies power for the Track Press.
- 3) Control Console (D1649) – Controls the Track Press functions.
- 4) Index Table (D1218-001) – 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) holds 50 feet (15,25 meters) of track chain.
A shorter optional Conveyor System (C1091-040) for confined spaces hold 40 feet (12,19 meters)
- 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 –
either 50 foot (15,25 meter) standard model (D1429-050) or 40 feet (12,19 meters) model (D1429-040)
- 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

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.

