

TH15000 Workshop Tire Handler

The TH15000 Workshop Tire Handler has been designed to provide a maintenance tool for the safe removal and installation of tires from a range of earthmoving and plant equipment. This tool has been developed to be used in a workshop environment and its compact design poses minimal impact on the normal operations of a mining workshop. (Part No. TL14000)

This fully self-contained diesel/hydraulic powered remote controlled unit will handle tires and rims up to 33,069 lbs and it can handle tires ranging in size from 27 R49 to 59/80 R63 (up to a diameter of 159in and width of 67in).

60-75%
more
efficient than
traditional
methods



A valuable asset to improve safety and efficiency in all mining and earthmoving workshops



Features

- Narrow foot print
- Work within one bay
- Self-propelled
- Remote controlled
- All-wheel drive and steer
- 2 drive modes: Travel/creep
- Handles tires from R49-R63
- Provides a safe elevated work platform
- Jib Arm to support torque tooling
- Tier 4 pollution rated engine

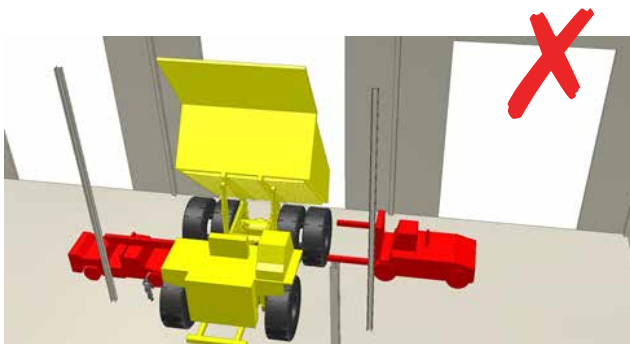
Functions

- Handle tires from 27.00 R49 to 59/80 R63
- Tire manipulation:
 - Raise and lower
 - Side shift
 - Tilt forward/back
 - Rotate left/right
- Drive modes:
 - Travel (high speed low torque)
 - Creep (Low speed high torque)

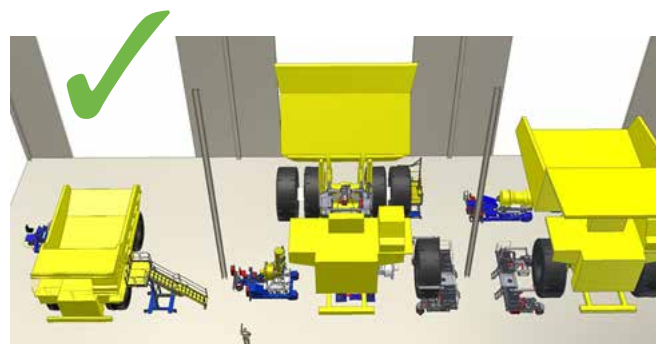
Safety Benefits and Cost Savings

- Provides a safer working environment for all maintenance staff to assist mine maintenance workshops to achieve zero harm.
- Allows all bays in the workshop to be utilized to maximise workshop efficiencies.
- Reduces the number of personnel required freeing up labour for other duties.
- With the introduction of the TH15000, the maintenance time of your equipment will be decreased. This means that your equipment will be spending less time in the workshop and more time moving overburden and minerals.
- On an independent trial the TH15000 proved to be 60-75% more cost, time and resource efficient than traditional methods.

Trial results	Traditional Fork Truck	TH15000
Time (4 Tires)	160 mins	100 mins
Workers used	6	2
Total cost	\$1632 AUD	\$408 AUD



The traditional method requiring up to 3 bays for Tire handling



The more efficient method using the TH15000 Workshop Tire Handler

Precise control

By utilising the latest hydraulic control technology we have developed the TH15000 Workshop Tire Handler to give the operator precise control and accurate movement. The user-friendly radio remote has proportional control of the hydraulic valves providing the operator with true feel and inch perfect accuracy. By using the remote control the operator has improved visibility and is removed from the danger zone.



Built to last

Hedweld products are designed utilizing the latest computer aided design techniques thus ensuring accurate fits and clearances for prolonged component life.

Hedweld products are fabricated using new high grade steel and a number of components are manufactured using the latest CNC machines and robotics, improving accuracy and ensuring repeatable quality.

Hedweld provides a 12 month warranty for all new equipment.

See this innovation in action on
[http://www.hedweld.com.au/trilift/
Tire-handlers/th15000](http://www.hedweld.com.au/trilift/Tire-handlers/th15000)
or on youtube.com - search for TH15000



At Hedweld we have a vision that all workshop bays are being used efficiently, utilizing specialised tooling that is purpose built for component handling, with the ultimate outcomes of:
minimizing workplace injuries and maximizing availability.

Specifications

The Trilift® TH15000 is compliant with the following standards:

- AS 3990:1993 Mechanical equipment-steelwork.
- AS/NZS 1554.1:2011 Structural Steel Welding.
- AS 1418.1:2002 Cranes, hoists and winches.
- AS 1163:2009 Structural steel hollow sections.
- AS/NZS 1594:2002 Hot-rolled steel flat products.
- AS/NZS 3678:2011 Hot rolled plates, floor plates and slabs.
- AS/NZS 3679.1:2010 Hot-rolled bars and sections.
- AS/NZS 1252:1996 High strength steel bolts with associated nuts and washers for structural engineering

Key Operating Data

Working Load Limit	33,069lbs	15,000kg
Tare Weight	14,330lbs	6,500kg
Speed	0-55.7 feet/min	0-17m/min
Handles Tires: 27.00 R49 to 59/80 R63.		
Handles tires up to: diameter 159in and width 67in		
Mode of operation: Diesel/hydraulic		
Engine type: Hatz 2L41C Diesel Engine		

Key Dimensions

A	DECK HEIGHT	40 inch	1013 mm
B	WIDTH	112 inch	2847 mm
C	CLAW WIDTH	35.4 min – 70 max inch	899 min – 1749 max mm
D	LIFT ROLLER	13.1 min – 26.5 max inch	333 min – 675 max mm
E	LENGTH	211.2 inch	5366 mm
F	CLAW ANGLE	40°min – 110° max	
G	JIB ARM HEIGHT	134.6 inch	3420 mm
H	TILT ANGLE	Min -2° – Max +5°	
I	LIFT ROLLER WIDTH	37.2 min – 53 max inch	947 min - 1346 max mm
J	TURNING CIRCLE	267.7 inch	6800 mm diameter

