

TH15000 Workshop Tyre Handler

The TH15000 Workshop Tyre Handler has been designed to provide a maintenance tool for the safe removal and installation of tyres 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 tyres and rims up to 15000kg and it can handle tyres ranging in size from 27 R49 to 59/80 R63 (up to a diameter of 4030mm and width of 1700mm).

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 tyres from 27 R49 to 59/80 R63 - up to a diameter of 4030mm and width of 1700mm
- Provides a safe elevated work platform
- Supports torque wrench with a jib arm
- Tier 4 pollution rated engine

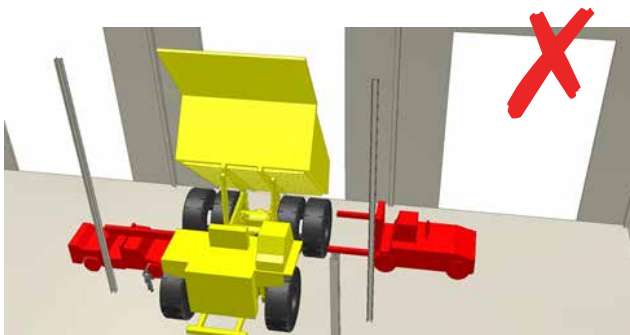
Functions

- Tyre manipulation:
 - Raise and lower
 - Side shift
 - Tilt forward/back
 - Rotate left/right
- Drive modes:
 - Travel (high speed low torque)
 - Creep (Low speed high torque)

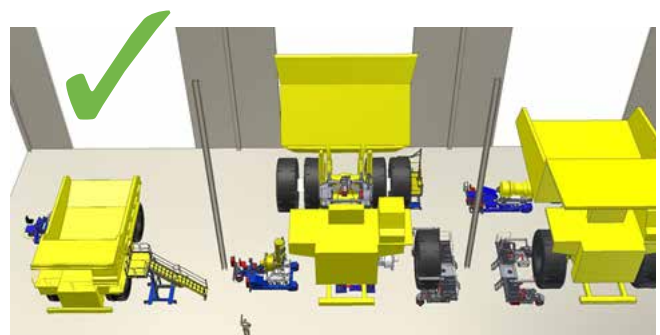
Safety Benefits and Cost Savings

- 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 utilised 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 tyres)	160 mins	100 mins
Workers used	6	2
Total cost	\$1632	\$408



The traditional method requiring up to 3 bays for tyre handling



The more efficient method using the TH15000 Workshop Tyre Handler

Precise control

By utilising the latest hydraulic control technology we have developed the TH15000 Workshop Tyre 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 millimetre 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 utilising 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/
tyre-handlers/th15000](http://www.hedweld.com.au/trilift/tyre-handlers/th15000)
or on youtube.com - search for TH15000



At Hedweld we have a vision that all workshop bays are being used efficiently, utilising specialised tooling that is purpose built for component handling, with the ultimate outcomes of:
minimising workplace injuries and maximising 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	15,000kg	33,069lbs
Tare Weight (nominal)	7,250kg	15,984lbs
Speed	0-17m/min	
Handles tyres from 27 R49 to 59/80 R63		
Handles tyres up to: diameter 4030mm and width 1700mm		
Mode of operation: diesel/hydraulic		
Engine type: Hatz 2L41C Diesel Engine		

Key Dimensions

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

