

T H I N W A L L T R A I L E R S



Strength Through Innovation  www.thinwalltrailers.com.au

THINWALL
TRAILERS AUST.



TITAN
TRAILERS INC.

The Original THINWALL®

In 1996, Titan's horizontal THINWALL extruded aluminium panel introduced the haulage world to a whole new way of designing trailers. Titan developed THINWALL to meet an engineering challenge from a customer.

"Create a smooth-sided, light-weight, high volume thin-walled moving floor trailer, that will match the strength of a post & panel trailer carrying heavy loads without bowing."

The original THINWALL met the challenge. Today, THINWALL continues to meet and exceed new challenges from Titan's customers around the world with a full range of WALKING FLOOR® unloader systems, tipper trailers, unibody hopper trailers, dumps and specialty trailers.

The horizontal THINWALL advantage?

- Double-walled hollow core extruded aluminium alloy, welded 100% inside and out, from end to end provides industry leading strength to weight ratio
- THINWALL provides the trailer with maximum volume to ensure maximum payload can be achieved
- The THINWALL construction allows a dent free exterior skin
- Smooth exterior creates an aerodynamic trailer, allowing for increased fuel mileage compared to conventional post and panel trailers
- Hollow core THINWALL provides cavities for routing air and electrical lines safely through the trailer body
- The horizontal panel allows for full integration of side seals and top rails that typically run down the length of the trailer; this integration in the extrusion design benefits the overall structural integrity of the trailer by eliminating the welding process
- The integrated extrusion design allows for a direct connection of floor beams to the sidewall which creates a uniform dispersion of stresses throughout the strong and durable sidewall structure

Our THINWALL technology is the foundation of a network worldwide of Titan assembly facilities producing the world's most durable lightweight trailers.



**If it doesn't say TITAN,
it can't say THINWALL®!**

To assemble our extruded THINWALL panels, Titan developed an automatic welding system that welds both sides automatically, more accurately, with more pleasing finish and faster than any other available process.



"Continuous innovation"

It's more than a promise at Titan...

It's our way of life and the driving force behind our commitment to deliver today's best designed, best built, custom trailers.

The better business choice

Hauliers must navigate many obstacles on the road to success these days, and we listen to their specific needs to solve problems.

- higher equipment costs and longer payback times • rising diesel & petrol costs
 - tougher competition and even tighter margins • multinational road standards and load limits
- For over 40 years, Titan Trailers has been building made-to-order trailers, designed to give our customers the competitive edge they need.

No matter what you're hauling – waste, grain, scrap metal, aggregates, hot tarmac, logs or woodchips – if you need a trailer that's purpose-built to do the job right, you need a Titan.

What makes a Titan the best choice?

- **earn more on every payload:** maximize your capacity with every load
- **earn every day:** spend less time in the shop and more time on the road
- **earn more on every mile:** with fuel-efficient design and low maintenance costs
- **earn more on return loads:** combine your trailer with a KEITH® WALKING FLOOR® system for versatility to take on any load from "extreme duty" materials to high volume bulk to palletized products
- **earn longer:** get more years, more kilometers and a higher resale value from your investment
- **earn more business:** with purpose fit custom features and a professional image that sets you apart from the competition

Unmatched Strength to Weight – Proven Reliability

Titan manufactures the lightest weight hauling trailer for demanding Australian industries. As well as providing strength to last in demanding applications, the lightweight THINWALL trailers can reduce fuel consumption while allowing hauliers to carry more payload per trip. The smoothwall interior also improves the trailer's cubic capacity, again increasing the operators' ability to load more and earn more.

Trailer owners, dealers and the equipment supplies all come to Titan Trailers for the same reason – because what they find in conventional trailers doesn't meet their needs for business success.

At Titan Trailers, we built our business on bringing new ideas to customers, utilising new manufacturing techniques to build trailers fit for the work they do.

We created the original THINWALL® trailer with KEITH® WALKING FLOOR® unloading systems in response to a customer request for reduced weight with increased strength. Since then, Titan customers have been able to move more material at less cost for longer life cycles.

The success of THINWALL has made Titan a leading name in made-to-order trailer manufacturing around the world.

The true measure of "Quality" at Titan is rooted in the idea that the next innovation greatly surpasses its predecessor and stands the test of time, making business for our customers better in every aspect.

To meet this quality standard, we continuously search out better ideas

through close communication between our customers and our management group; from our dealers to R&D team to the production floor.

Our manufacturing system combines high efficiency with high flexibility. Because of the very "hands on" approach with the entire production process, our owners and staff never hesitate to make changes anywhere along the line if it means a better product in the end.



THINWALL® Waste Walking Floor



One-piece front gusset

Radius one piece design helps reduce stresses between the front wall and side wall top rail connection.



Anti-corrosion protection

Adhesive sealant placed between dissimilar metals at bolted connections to prevent corrosion.



Steel coupler assembly

Titan's robotically welded steel coupler assembly uses bi-metal to allow for a direct connection to the THINWALL panels and provides a low profile design. Bolt-in kingpin is standard.



Explosion bonded bi-metal

The use of bi-metal material allows Titan to weld steel to aluminium components.



Stainless steel lines

By running the trailer hydraulics through stainless steel lines, Titan can eliminate rust problems, reduce maintenance, and extend the life of the hydraulic system.



Aluminium chassis

All aluminium chassis design for making more weight savings.



KEITH® CleanSweep®

The KEITH® CleanSweep® is available on trailers to assist with material clean out during the unloading process.



Full fenders

Full fenders are integrated into the sidewall construction.



Flip-up front shedder

Allows for easy access to air, electrical and hydraulic lines mounted on the front wall. Also gives easy clean out underneath the shedder.



Versitex® split flip roof (optional)

Aluminium construction combined with a Versitex liner provides a highly durable, leak resistant flip roof.



Manual tarp

Manual tarp with crank at rear of trailer.



Roll-Rite® electric tarp

Operated from remote control or manually from front of trailer.



Off-set top rail

Extruded off-set top rail profile designed for various tarp configurations to allow tarp components to stay within overall width regulations.



Just all aluminium landing gear

Reduces weight, eliminates steel-to-aluminium connections.



Van doors

Van doors set up with dual lock rods.



Hydraulic door

Self locking, top hinged, over slung hydraulic doors.



Aluminium V-9
Keith® Walking Floor®



Aluminium V-18
Keith® Walking Floor®



Aluminium 24 Slat
Keith® Walking Floor®

THINWALL® Hopper



1 See through grated catwalks

Front and rear, provide superior grip with minimal material buildup.



4 Jost all aluminium landing gear

Reduces weight, eliminates steel-to-aluminium connections.



2 Arched top cross & integrated latch plate

Eliminates the cost and weight of extra tarp bows; less obstruction to loading.



5 Roll-Rite® electric tarp

Operated from remote control or at front of trailer.



3 Aluminium frame with Titan contoured fenders

Flat surface for tarping and untarping.



6 Closed body design

Eliminates debris build-up in the coupler and under the slope area.



7 Roll-Rite® electric doors

Operated from remote control or at side of discharge. Can also be operated manually.



10 Anti-corrosion protection

Adhesive sealant placed between dissimilar metals at bolted connection to prevent corrosion.



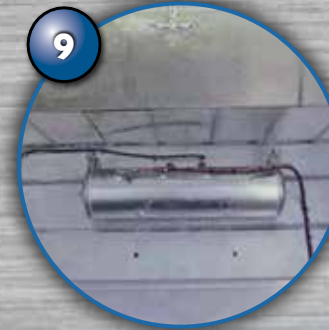
8 Aluminium coupler assembly

Titan's patented aluminium coupler assembly reduces tare weight by almost 150 kg to allow more payload and lower fuel consumption without sacrificing strength or durability.



11 Vented divider walls

Vented dividers prevents condensation; no need to untarp for discharge.



9 Shielded aluminium coupler

Eliminates dirt buildup and is usable for utility storage.



12 100% stainless steel

Hardware including hopper door cross shafts and rack & pinion gears



ASK YOUR DEALER FOR MORE INFO ABOUT:

- Lower grain augers • Pups can be configured as a A-Double <30m
- Can be configured as B-Triple <36.5m • Can be configured as AB-Triple

THINWALL®

Tri Tri B-Double Platform Tipper



Eclipse front wall
Rolled THINWALL panel creates an aerodynamic front and allows for increased volume.



All Aluminium frame lead chassis
Titan manufactured all aluminium chassis design.



Flow thru lead door on pup
Top hinged flow thru door with air activated locks.



Backup lights & air operated paddle locks on pup
Air activated paddle locks secure the door in the closed position. Backup lights for increased visibility.



All aluminum frame pup chassis
Titan manufactured all aluminium chassis design.



Off-set top rail
Extruded off-set top rail profile designed for various tarp configurations to allow tarp components to stay within overall width regulations.



Elphinstone sliding fifth wheel
Air activated sliding fifth wheel on lead stinger to slide the trailers together for unloading operations.



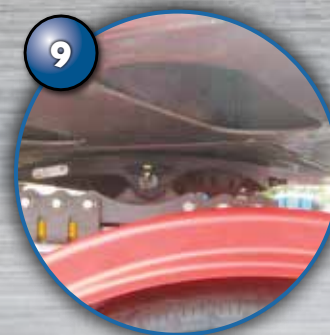
Plastic fenders over lead primary axles
Plastic fenders with spray suppression over lead primary axles. Various colours available.



Piano hinge doors
Full width top piano hinged doors.



Primaries with spray supression
Aluminium 1/4 fenders ahead and behind tridem group with spray suppression full length of tridem group.



Aluminium coupler assembly with bolt in kingpin
All aluminium coupler design with replaceable bolt in steel kingpin.



THINWALL® 8x4 Rigid Body Walking Floor



Spreader (optional)

Evenly spreads out chips for road resurfacing.



Truck body fenders

Rolled aluminium fenders over drives and lift axle.



Driver side pull down steps

Pull out lower step and fold down upper steps allow for access into the front of box.



Top hinge side swing door

Top hinge sideswing door allows for versatility in loading and unloading the rigid body Walking Floor®.



Titan plow cleanout

Titan's self-cleaning system was specially designed to suit the horizontal panel structure of THINWALL trailers.



Flooring

9 Slat V-Floor
Keith® Walking Floor®.



Front spill shield

To protect cab of truck.

Titan THINWALL® around the world

Australia

Hauling maximum loads of wood chips to distant sea ports over rough council roads led our first Australian customer to a fleet of Titan B-Train tipper trailers.



Canada

With a new long-term waste hauling contract in hand, this Canadian fleet haulier chose Titan as their "10-year trailer" for daily highway trips from the transfer station to the landfill and back.



United Kingdom

Because it discharges horizontally, without elevating the load, worksite safety made this Titan V9 moving floor trailer the right choice for one of the largest waste hauliers in the UK.



United States

With over 240 locations and 49 terminals across the nation, MBI now hauls more than 80,000 tons of trash daily. In addition to hauling, MBI provides a full range of waste-handling services.



Europe

Listening to customer request for improved durability and longer trailer life, Titan designed this trailer for the European market with versatility in mind.



South America

This tandem wide spread configuration was designed for hauling waste products in Chile.



United Arab Emirates

To meet waste hauling challenges in the United Arab Emirates, Titan Trailers designed this 4 axle configuration.



Titan worldwide production and service facilities

Titan Trailers is the world's leading manufacturer of lightweight, high capacity aluminium trailers for heavy-duty applications



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