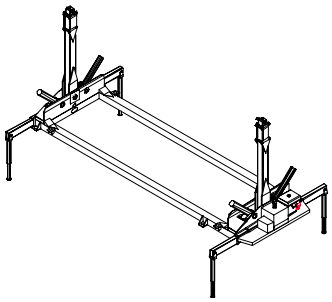
10 Tonne (22,000LBs) Swing Thru Container Handling System
Features and Benefits

A comprehensive range from 10 ft containers to 53 ft containers	⇒ Having the right machine available for the job increases productivity and profits
Can operate off both sides of the Swing Thru Unit 	⇒ Has the ability to transship in a single movement ⇒ Allows a full container to be dropped off to one side and an empty container to be picked up from the opposite side ⇒ No need to establish which way the doors on the container have to face ⇒ No need to drive against traffic to unload ⇒ More efficient in congested areas
Simplicity of operation with a straight boom	⇒ No special skills are required by the operator making this a fleet wide skill average training is less than 1 hour , increasing the number of staff capable of operating the Swing Thru.
Utilizing the container's twist locks on the host vehicle to secure the Swing Thru to truck deck or trailer chassis 	⇒ Can be fitted to existing truck decks that are fitted with container twist locks ⇒ Requires only approximately a 23ft deck
Fixed length units can be removed from the vehicle in under 5 minutes	⇒ Adds to the flexibility of transport operations ⇒ Better utilization of capital equipment ⇒ No changeover costs when the prime mover (truck) is replaced ⇒ No down-time if the prime mover requires servicing ⇒ Frees up the prime mover (truck) for better utilization of this asset allowing it to

	undertake other functions with negligible loss of time through removing and refitting of the Swing Thru unit
	⇒
Models come with a choice of petrol, diesel or PTO power systems	⇒ For maximum fleet integration possibilities
Very fast operating function	⇒ Maximizes productivity therefore increasing revenues

Can be built with the ability to stack containers 2 high 	⇒ Increases the capacity of storage space ⇒ Makes it more difficult to gain access to the top containers thereby increasing security

Has the ability to do multiple shifts of containers without having to move the Swing Thru unit

⇒ Much increased efficiency with the ability to move two containers without relocating the Swing Thru

⇒ Increased efficiency and profitability

Has the ability to "piggyback" a trailer

⇒ Saves travelling time on congested streets

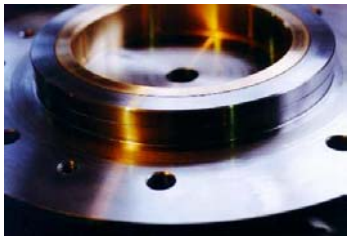
⇒ Facilitates ease of movement on congested sites

⇒ Speeds the transshipping of the container from the ground to the trailer as the trailer can be dropped off one side opposite the container and the container can be moved across in a single, continuous movement

⇒ Saves wear-and-tear on the trailer

⇒ Saves on road user charges (road based taxes)

⇒ Piggybacking can be achieved in the same time it takes to load a container

Very simple maintenance systems on the Swing Thru's	⇒ Encourages operator to maintain the unit correctly, thus reducing whole-of-life operating costs
Very large and simple bearing construction with a substantial bronze bush allows for a long service life and simple servicing if or when the bush requires replacement 	⇒ Less down time ⇒ Less servicing required ⇒ Lower whole-of-life operating costs
Hydraulics are made to industrial standards rather than automotive standards	⇒ Readily obtainable parts ⇒ Added longevity and robustness ⇒ Minimal down-time
The over-centre valves or popit valves are mounted into the hydraulic ram rather than bolted onto the outside 	⇒ Added safety and reliability as the valves are less likely to be damaged
	⇒
Can operate in confined spaces area Needs only be 5 inch wider than container 	⇒ Increased storage on site
The Swing Thru system can be custom-built to meet particular market niches	⇒ Increases the efficiency of individual operator's vehicles
Military Support: Ideal for forward base	⇒ One system can work on any theater

support, rear echelon support, support for medical units	
Lifts the cargo level	⇒ Minimizes possible damage to valuable cargo and makes packing more simplistic
Can operate on angles and uneven ground	⇒ Increases the revenue stream by introducing the possibility of a broader base of work such as the placement of furniture in suburban areas
Can operate in poor ground conditions – limited only by the capabilities of the host vehicle	⇒ Far more cost effective than the establishment of paved areas to accommodate heavy forklifts ⇒ Swing Thru can be used in specialised applications such as in the oil industry or on building sites.
Operator does not have to know which way round the container doors are	⇒ Saves time in dispatch operation not having to question the customer ⇒ Saves time at pick-up point of the container – there is no need to turn the container round ⇒ Saves time at destination

Compliments other systems such as the US Military's PLS system and the UK Military's DROPS system	⇒ Multi-national, multi-tasked interface without the need for any alterations – i.e.: built to ISO standards
Units can be transported by air, sea, rail or road and can be prepared in minutes without the need for special tools or equipment	⇒ Major savings in time for logistical exercises
Provides a source of hydraulic power for other applications	⇒ For emergency services and military applications the Swing Thru could be used for supplying hydraulic power to ancillary equipment such as jaws-of-life or peg driving equipment
In many cases can replace aging or expensive forklifts Can replace a number of forklifts on remote sites where low numbers of containers are transported	⇒ Reduces maintenance costs on forklifts ⇒ Increases productivity of major capital plant by allowing it to operate on various sites by also being road legal
Eliminates the need for high rated pavement in container yards to accommodate heavy forklifts Can operate on gravel (metal)yards because of it lower ground pressure	⇒ Saving on the capital cost of heavy pavment.

Eliminates the need for loading docks. Flat floor warehousing can be used. 	⇒ Substantial savings in the capital cost of warehousing and trailer equipment because of under-utilization and the necessity to park trailers for extended periods of time
	⇒
Can lift and assemble ISO shelter complexes because of its gentle and accurate nature	⇒ For military use ⇒ Speeds the of assembly of shelter complexes ⇒ Minimizes damage to fragile equipment and shelters
The eccentric cams on the landing leg systems along with the locator lug for longevity of the pins on the landing legs – so there is no movement 	⇒ Less maintenance because no movement means no wear-and-tear ⇒ Far greater security on the landing leg system when the unit is in use lifting and lowering
Guides to guide the container down onto the twist locks 	⇒ Speeds the loading of the container by automatically sliding the container into its correct position on the twist locks. ⇒ There is no need for the operator to spend time aligning the container
Sophisticated yet simple	⇒ Designed for efficiency and low maintenance because of its simple concepts
Can be adapted for functions other than container lifting	⇒ Through the utilization of simple, readily obtainable alternative lifting equipment such as straight bars and flat racks Swing Thru can be used for numerous applications
Shortening clutches on the chains	⇒ Allows for a broader range of functions

	⇒ Increases potential market for uses
Fire Service: Ideal for the Fire Service for the delivery of low-use units such as Hazmat Units, etc	⇒ Reduction in capital need to offer the same level of service
Household Removals: Facilitates containerized door-to-door household removals – on ground loading and unloading can be carried out with safety and ease	⇒ Increased productivity with no need to lift the goods in and out of a container on a truck deck ⇒ Reduces occupational health issues ⇒ Reduces damage to customer's goods
Police	⇒ Reduction in capital need to offer the same level of service