



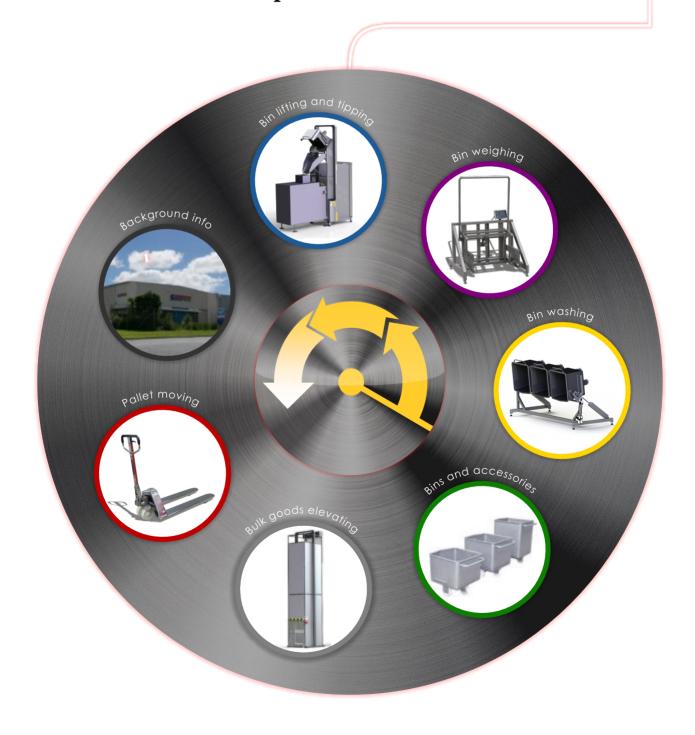
Stainless Steel Catalogue

Simpro materials handling equipment for hygiene-critical applications.



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"Materials handling equipment for hygiene-critical applications in the food processing, chemical and pharmaceutical industries."



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Introduction

Simpro has been manufacturing materials handling equipment for hygiene-critical applications in the food processing, pharmaceutical, and chemical industries since 1992.

Back when we designed and built that first stainless-steel hydraulic bin-tipping machine for a food processing company, Simpro was a small Auckland engineering firm. But in the years that followed, our bin lifters, tippers, elevators, stackers, bins and custom materials-handling solutions were chosen by some of the most prestigious names in global business - General Mills, Mondelēz International, Nestle, Fonterra, BP - as well as thousands of small and medium enterprises around Australasia.

And today, products such as the Dumpmaster deliver world-class safety, reliability, hygiene and maintainability to customers all around the world.

Additionally, as part of a strategy to further strengthen our product range, Simpro has also established partnerships with leading food-processing equipment OEMs in Europe and Asia.

This allows us to offer innovative products from overseas, such as food-grade polyethylene Eurobins, manufactured by Sæplast of Iceland, and bin-washing equipment from Expro of China.

So if you're a process engineer looking for a method to elevate bulk materials in a production environment - or a plant designer needing a materials handling elevator that can be cleaned and sterilised in minutes - or an abbatoir manager looking for plastic Eurobins - Simpro has a solution for you.

Stephen Simmons

Managing Director

Simpro Handling Equipment Ltd







Non-marking castor wheels for effortless movement

Model	Tip Height	Capacity	Power	Height (lowered)	Height (raised)	Length	Width	Weight	IP Rating	Safety Class
MTS1200	1200mm		Battery solar 1-phase mains 3-phase mains	1995mm	2240mm	879mm 1237mm		~150kg	IP56 IP66 IP69K	ISO13849-1 & AS/NZS4024 Cat 1 / PLc
MTS1600	1600mm	150kg		2380mm	2660mm		1237mm	~160kg		
MTS1800	1800mm			2580mm	2860mm			~170kg		
MTS-CUSTOM Enquire with Simpro via sales@simpro.world or +64 9 634 7445, or view options at https://simpro.world/bin-tippers/multi-tip										



1.2m/1.6m/1.8m

Various tipping heights available



150kg

Capacity (max gross bin weight)



2,500kg per hour continuous | 2,500kg of material per charge Duty cycle—mains or battery-powered



Battery | solar | 1-phase mains | 3-phase mains | compressed air Power supply

"Staff enjoy using it because it is simple, safe and reliable." - Caffe L'affare, Wellington

The Multi-Tip from Simpro is everything a mobile bin tipper should be - safe, reliable, cost-effective and easy to use. With a huge 150kg capacity and 15-second tipping cycle, it is ideal for production operations where a light, highly mobile bin-tipping solution is required.

The Multi-Tip uses an innovative single-mast design, which ensures the operator has a clear view during operations to ensure safety. Dualhand controls further enhance operator safety. The open design means the entire machine can be inspected, cleaned and sterilised in minutes - eliminating hidden bacterial growth spots.

As standard, the Multi-Tip is fitted with a universal cradle, which lifts most standard wheelie bins with no clamping or modification. However a range of custom cradles are available, allowing the machine to empty any commercial container weighing up to 150kg.

Like all Simpro products, the Multi-Tip is extremely robust and requires no regular maintenance. It is suitable for intensive washdowns, with all components rated to IP56 or higher as required. A 316 stainless steel version is available for use in highly acidic or basic environments.







Model	Tip Height	Capacity	Power	Height (lowered)	Height (raised)	Length	Width	Weight	IP Rating	Safety Class
EO1500	≤ 1200mm	2001		1840mm	2350mm		800mm -	~294kg	- IP66	ISO13849-1 & AS/NZS4024 Cat 1 / PLc
EO1900	≤ 1900mm		2	2530mm	2750mm	1380mm		~312kg		
EO2200	≤ 2200mm	300kg	3-phase mains	2530mm	3050mm	1360mm		~326kg		
EO2500	≤ 2500mm			2840mm	3350mm			~340kg		
EO-CUSTOM	Enquire with	Enquire with Simpro via sales@simpro.world or +64 9 634 7445, or view options at https://simpro.world/bin-tippers/multi-tip								



1.2m - 2.5m

Various models, adjustable tip height



300kg

Capacity (max gross bin weight)



8,000kg of material per hour continuous

Duty cycle—3-phase mains-powered



3-phase mains

Power supply

"...we couldn't ask for better quality in machinery."

Dominic North—Victor Chang Cardiac Research Institute

With a simple design and minimal maintenance requirements, the Eurover bin tipper from Simpro is ideal for emptying DIN9797 Eurobins into hoppers, mixers or conveyors in food production environments.

The Eurover is manufactured from bead-blasted 304 stainless steel, with seamless welding and quality European componentry. It is designed for easy cleaning, with an accessible single-mast design and stainless steel covers to all components.

The Eurover employs a vertical worm-drive lifting mechanism, which can safely empty Eurobins weighing up to 300kg. The design allows for an adjustable tip height, with various models tipping in ranges between 1.5m and 2.5m.

A quick-hitch retaining system allows Eurobins to be secured simply by rolling them into place, with no clamping required. At the end of the tipping cycle, a foot catch allows the bin to be instantly released. This system is compatible with industry-standard DIN9797 Eurobins and meat carts, also available from Simpro (see page 20).

Like all Simpro products, the Eurover bin tipper is designed to be extremely reliable and virtually maintenance-free.







Model	Tipping Height	Capacity	Power	Height	Length	Width	Weight	IP Rating	Safety Class
DMS0700*	700mm	250kg		1770mm	1227mm	1075mm	~235kg		ISO13849-1 & AS/NZS4024 Cat 1 / PLc or Cat 3 / PLd or Cat 4 / PLe
DMS1200	1200mm		3-phase mains 1-phase mains compressed-air	2470mm			~255kg	IP56 IP66 IP69K	
DM\$1500	1500mm			2560mm			~265kg		
DMS1800	1800mm		Battery solar	2860mm			~275kg		
DMS2100	2100mm			3160mm			~285kg		
DMS-CUSTOM	xxxx mm	Enquire with	Enquire with Simpro via sales@simpro.world or +64 9 634 7445, or view options at https://simpro.world/bin-tippers/dumpmaster						

Standard or recommended specifications are printed in **bold**. See Page 14 for options and accessories.

^{*}Dockmaster variant, with safety legs and other features to allow operating from elevated platforms.



0.7m - 10m

Various tipping heights available



250kg

Capacity (max gross bin weight)



10,000kg per hour continuous | 10,000kg of material per charge Duty cycle—mains or battery-powered



3-phase mains | 1-phase mains | compressed air | Battery | solar | Power supply

"...we couldn't ask for better quality in machinery."

Dominic North—Victor Chang Cardiac Research Institute

The Simpro Dumpmaster safely empties any kind of bin at any height, with a unique electrohydraulic mechanism that can lift and tip more than 250kg. The Dumpmaster is the safest, fastest and most reliable hydraulic bin tipper on the market, and has been in continuous production for a quarter of a century.

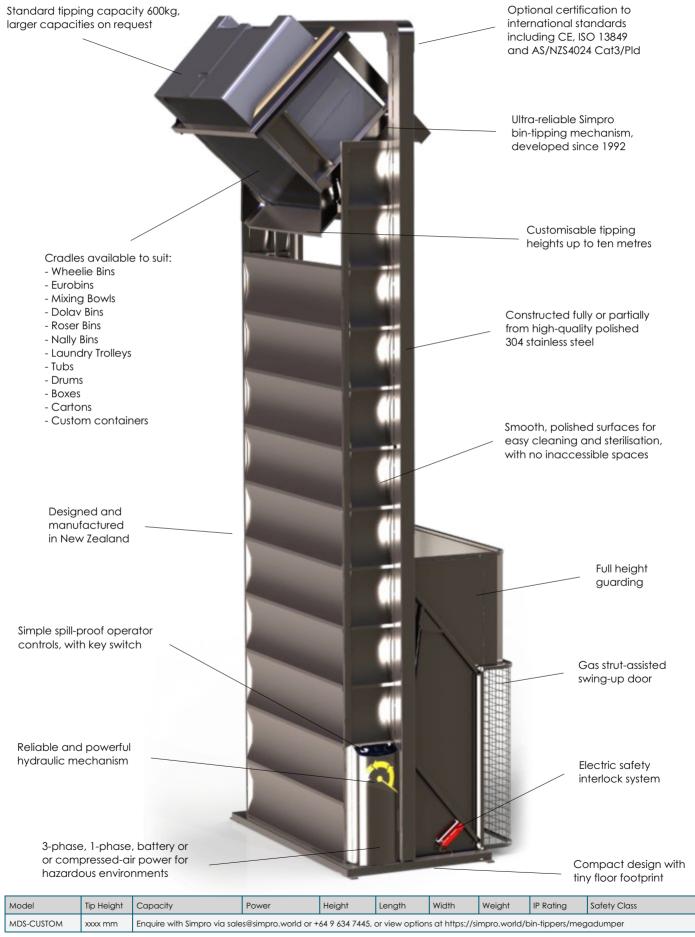
Like all Simpro bin-tippers, the Dumpmaster features a unique lifting and tipping mechanism which is very efficient. Less than 1m³ of floor space is required regardless of height, since the weight of the bin is maintained within the floor footprint at all times.

The Dumpmaster is optimised for hygiene-critical environments. To eliminate potential bacterial-growth areas and ensure ease of cleaning, all covers and guarding are produced from polished stainless steel. The controls and electronics are rated to IP66 to prevent any ingress of dust or liquids. And the machine can be certified to various standards, including ISO 12100 and AS/NZS 4024, up to Category 4 or PLe.

No matter how it is used, the Dumpmaster has proven to be safe, reliable and economical to operate, year after year.









0.7m - 10m

Various models, fixed tip height



600kg

Capacity (max gross bin weight)



15,000kg of material per hour continuous

Duty cycle—3-phase mains-powered



3-phase mains | 1-phase mains | compressed air

Power supply

The Simpro MegaDumper is based on the proven design of the Dumpmaster, and is probably the safest, most reliable and easy-to-use industrial bin tipper available. Originally designed for emptying large wheelie bins weighing up to 600kg, the MegaDumper has now been adapted to tip almost any commercial container at heights beyond ten metres.

Floor space requirements do not change regardless of tipping height, since the weight of the bin remains within the footprint at all times.

Like all Simpro products, the MegaDumper was designed for safety from the ground up. Full height guarding and swing-up door with safety interlock system are fitted as standard. Additional certification is available to a range of international standards, including ISO 12100, AS/NZS 4024, and CE.

Since its introduction in 1998 the MegaDumper has proven to be remarkably reliable in even the most demanding of environments. Some operators have used the MegaDumper as an integral part of their production workflow for two decades with no regular maintenance.

"Fantastic piece of kit"

Stephen Holbrook—Baler & Compactor Services





Bin Tipper Options



Standards & Compliance

All Simpro machines can be specified to meet international standards for machinery safety, including ISO 12100 and AS/NZS4024 up to Cat4/PLd. This may involve additional features such as a programmable control unit, Emergency Stop buttons and uprated circuitry.



Compressed Air Power

Machines that are to be used in hazardous or explosive environments may be supplied with a compressed-air power system, eliminating potential ignition hazards. A compressed-air supply of 0.7MPa or more is required.



Custom Cradles

A range of custom cradles and attachments are available to allow emptying virtually any commercially-available bin, box, drum, carton, crate, mixing bowl or container, up to maximum dimensions of 1200x1200x1200mm.



Custom Doors

Machines with cage guarding can be supplied with a lefthinge door, right-hinge door, swing-up door or roller door.

Swing-up doors and roller doors take up less space, but are more complex and may require additional maintenance.

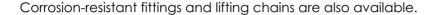


Custom Tipping Chutes

Frame-mounted tipping chutes are available for operation where the machine cannot be placed right against the skip or hopper. The chutes are easily attached, and can be folded up out of the way when not in use.

316 Grade Steel Construction

All machines can be fully or partially constructed from 316 grade stainless steel, with molybdenum alloys for additional corrosion resistance, suitable for use in extremely acidic or basic environments.

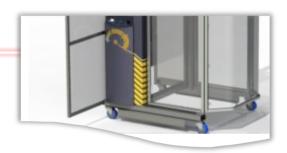




Polycarbonate Guarding Panels

Unbreakable transparent polycarbonate guarding can be supplied in place of the standard mesh guarding.

A polycarbonate operator guard panel (splash shield) can also be fitted adjacent to the controls, to protect the operator when tipping liquids.



Auto-Cycle Operation

Machines wth cage guarding may be supplied with an auto-cycle controller, allowing the operator to move away while tipping.

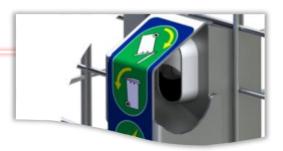
A digital control unit (PLC) is also available, allowing complex programmable behaviours.



Custom Controls

Operator controls can be fitted anywhere on the machine, on pendants, or in remote locations, to suit layout, productivity or safety requirements.

Dual-hand controls are available, to prevent operators from carrying out other interactions while using the machine.



Other Options

- Digital scales: accurately weigh product as it is emptied.
- Custom guards: foot-guard panels, front-guard panels, etc.
- Custom design and engineering: solutions for unique bin lifting and tipping requirements.





EuroWeigh from Simpro is a precision digital scale set for DIN9797 EuroBins, ideal for food industry users needing an accurate bin-weighing solution.

The EuroWeigh is produced from foodgrade 304 stainless steel and fitted with a high-quality Mettler Toledo IND236 scaleset, offering ±0.3% accuracy up to a maximum of 300kg. The unit can weigh all standard trunnion-lift EuroBins from 120L up to 300L, and includes tare, gross, net, addition, auto-zero and other functions – all certified for trade use.

Like all Simpro products, the EuroWeigh is designed to be simple to use, fast to clean, easy to move and virtually maintenance-free. It is produced in accordance with ISO9001.



Model	Capacity	Accuracy	Power	Height	Length	Width	Weight	IP Rating	Safety Class	
EW300	DIN9797 Eurobins (up to 300kg)	±0.3%, with 10- gram intervals	3-phase mains	1600mm	1060mm	1000mm	~100kg	IP66	ISO13849-1 AS/NZS4024 Category 1 / PLc	
EW-CUSTOM	Enquire with Simpro via sales@simpro.world or +64 9 634 7445, or view options at https://simpro.world/bins/euroweigh									

EuroBlaster is an innovative bin wash frame from Simpro, which lifts and inverts EuroBins at an ergonomic height for easy cleaning.

The EuroBlaster is fitted with multiple lifting arms to suit DIN9797-compliant Eurobins, and can lift up to three bins at a time for maximum productivity.

Powered by two pneumatic rams, the EuroBlaster requires no electricity to operate,

eliminating the risk of electric shock. A compressed-air supply of 0.4MPa or more is required.

Manufactured for 304 stainless steel with bead-blasted finish, the EuroBlaster is easy to clean and completely corrosion-resistant. It is an ideal solution for food-processing plants which need to manually clean up to 100 EuroBins each day.







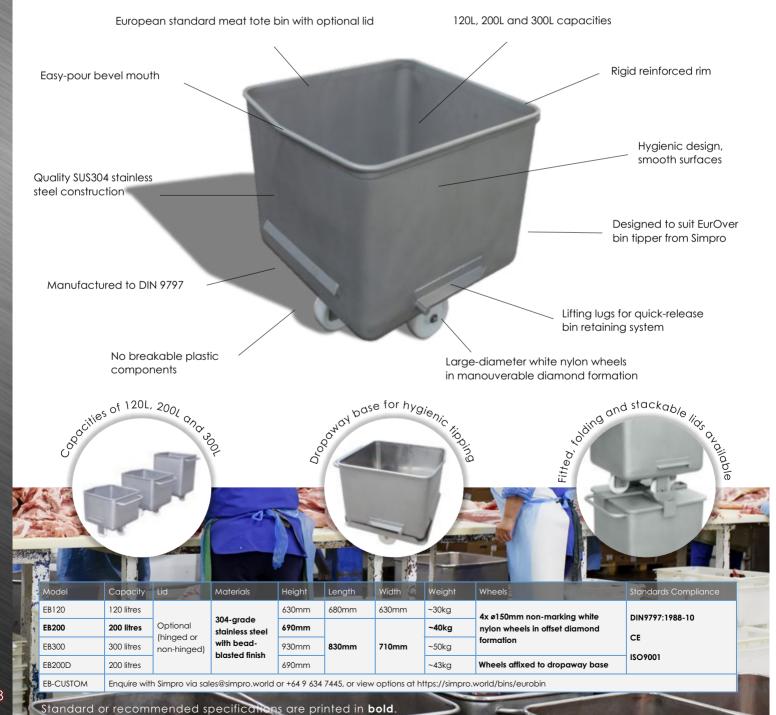
EuroBins

A complete range of EuroBins is available from Simpro, with capacities from 120 litres up to 300 litres. The bins are manufactured from high-quality 304 stainless steel, making them ideal for bakeries, meat processing plants, cereal manufacturers and other hygiene-critical applications.

Because Simpro EuroBins comply with industry standards such as DIN9797, they can be handled by all common trunnion-lift equipment. With with four large wheels in an offset diamond formation, the bins are very

stable and manoeuvrable – even on irregular surfaces, or when heavily loaded.

Simpro also offers a unique 'Dropaway Base' EuroBin, for food-processing applications where the wheels present a contamination hazard during tipping. This bin has no wheels but is seated on a wheeled base unit, which stays in place when the bin is lifted. Once tipping is complete the bin is lowered back onto the base, and can be wheeled away like any other EuroBin.



The FluroBin Series from Simpro is a range of DIN9797-compliant wheeled meat carts, suitable for food industry applications where Eurobins have commonly been used.

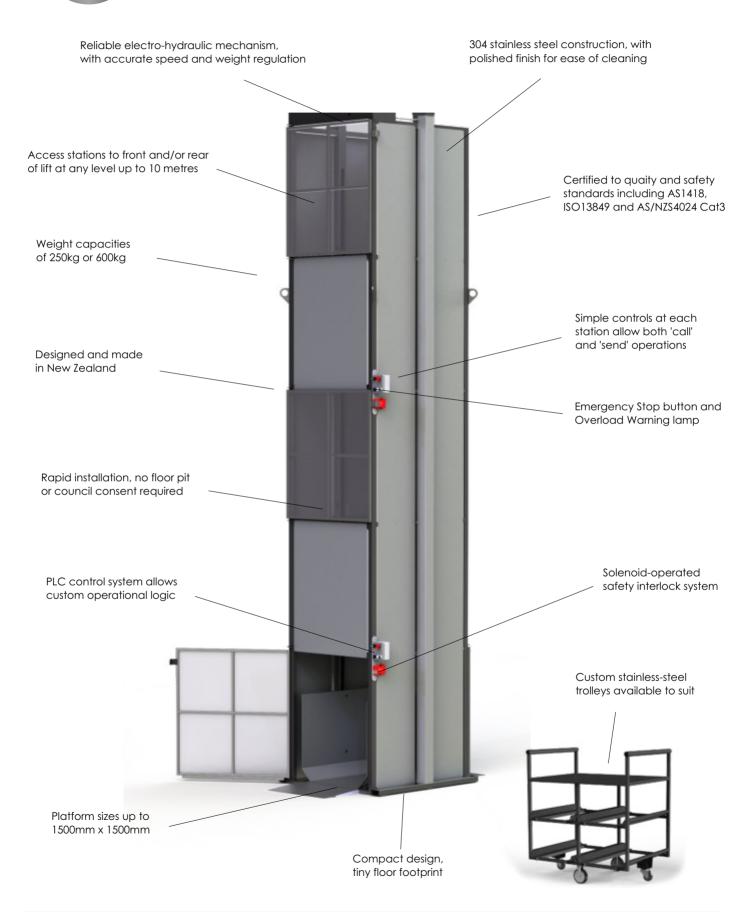
Unlike traditional stainless steel Eurobins, however, Simpro FluroBins are manufactured from a robust polyethylene plastic – meaning they weigh around half as much, last longer, have better insulating properties, generate less noise and come in a range of vivid colours, ideal for colour-coded process control.

FluroBins are manufactured in Europe by leading Scandinavian plastics company Sæplast, with which Simpro signed an agency agreement in 2017. Unique Sæplast technology includes a seamless triple-layer construction, which makes the FluroBins incredibly robust – typically lasting up to ten times longer than comparable single-layer plastic bins.

In addition to FluroBins, Simpro is an authorised agent for the complete range of industrial containers from Sæplast.



Hylifta™ SS Series



Model	Capacity	Lifting Height	Car Size	Height	Length	Width	Weight	IP Rating	Standards Compliance
HLS250-CUSTOM 250kg HSL600-CUSTOM 600kg Enquire with Simpro via sales@simpro.world or +64 9 634 7445, or view options online at https://simpro.world/goods-lifts/hylifta									(los differe
									/nyiiiid



0.2m - 10m +

Various lift heights available



250kg/600kg

Weight capacity, depending on model



20,000kg of material per hour continuous

Duty cycle—3-phase mains-powered



1-phase mains | 3-phase mains | Power supply

The elevator has proved a huge asset to our process."

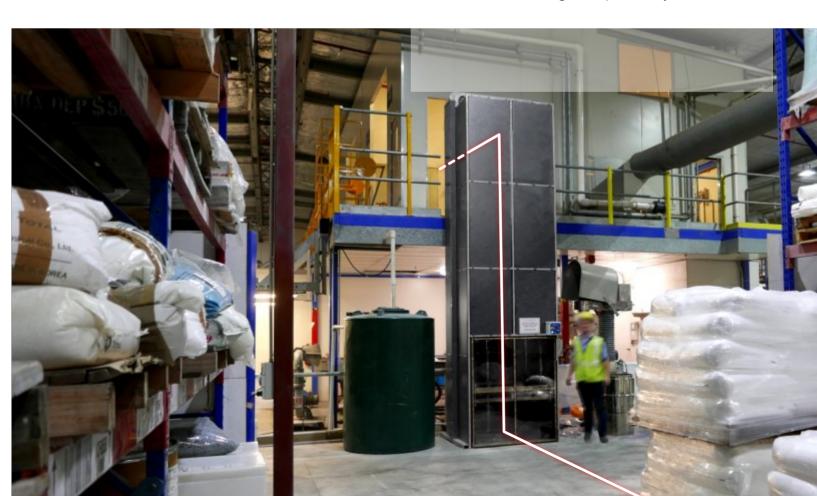
- Matthew De Nobrega - Clariant (New Zealand) Ltd

Hylifta is a materials handling elevator from Simpro, produced from polished 304 stainless steel and designed for hygiene-critical environments. The Hylifta offers a fast, safe and economical method of moving bulk goods across production levels, while complying with relevant safety and hygiene standards.

Like all Simpro products, the Hylifta was designed for flexibility from the start. An electronic management system allows access stations to be fitted to the front and/or rear of the lift, at any level up to ten metres. Models are available with safe working loads of 250kg or 600kg, and car sizes up to 1500mm x 1500mm.

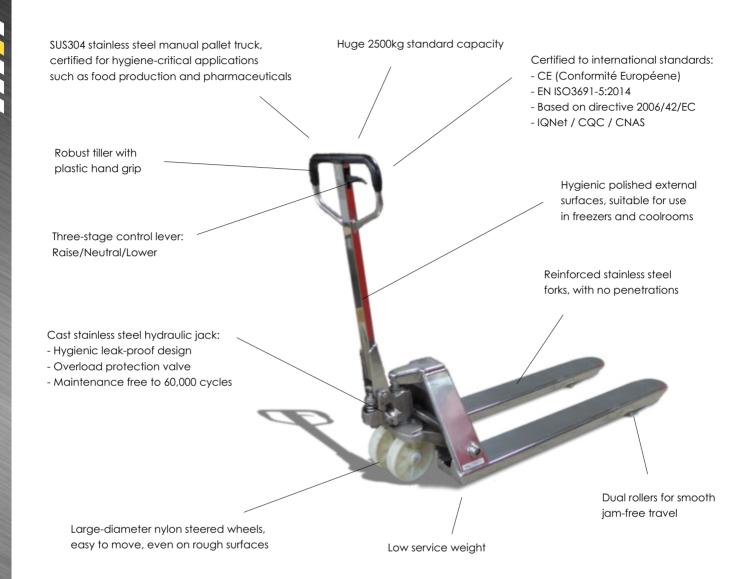
Because the Hylifta can be fitted with wheels and needs no floor pit or other building alterations, installation typically take as little as 60 minutes and does not require a building consent. This minimises production downtime and makes the lift very cost-effective.

The Hylifta is designed to be maintenance-free and extremely reliable. It can transform your production workflow, saving valuable time and effort while reducing workplace injuries.





Quiktruk™ 55 Series



"With a sealed, leak-proof hydraulic jack

and low-viscosity oil, the Quiktruk SS2502 is suitable for

extreme-temperature environments"





Manual Maximum speed



2500kg Standard rated load capacity

85-200mm

12 strokes

Number of strokes required on hydraulic jack to raise forks to maximum elevation



No battery Standard battery specifications

The Quiktruk SS Series is a range of stainless steel pallet jacks from Simpro, with lifting capacities up to 2500kg.

Featuring seamless welded construction and a polished finish, Quiktruk SS pallet jacks are both corrosion-resistant and very easy to clean. They are ideal for hygiene-critical applications in industries such as food processing, dairy, beverages, chemicals, pharmaceuticals and cold logistics.

All Quiktruks are equipped with a sealed, leakproof hydraulic jack and low-viscosity oil, allowing them to be used in extremetemperature environments, such as freezers and coolrooms.

The lowered fork height of 85mm is suitable for most pallets and crates. Large nylon steered wheels and a lightweight design ensure the are easy to move and manoeuvrable, with a full turning radius of around 1.2 metres.

Like all Quiktruk pallet jacks, the SS Series with a range of international complies standards including ISO 3691, and manufactured in an ISO 9000 certified plant.





Simpro has been inventing, perfecting and manufacturing materials handling solutions for over thirty years. From humble beginnings as a small engineering firm in Auckland, New Zealand, the company has grown to become a leading supplier of handling equipment for niche applications – such as bin lifting, tipping and handling equipment, pallet trucks and materials handling elevators.

Simpro products play an unobtrusive but essential role for thousands of companies around the world, in industries as diverse as waste

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management, food processing, resource extraction and pharmaceutical manufacturing. They are available through a network of agents which spans the globe, and are backed by a sophisticated in-house design and fabrication capability.

Simpro is a family-owned company, registered with the New Zealand Companies Office as Simpro Handling Equipment Ltd, company no. 1827916.

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