

Waste Management

SMART LIFTING FOR THE CIRCULAR ECONOMY





“Smart Lifting solutions for the circular economy.”



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Standards and Localisation

Different parts of the world use different standards for mobile garbage bins and handling equipment. Simpro equipment is available in two versions, to suit both common standards:

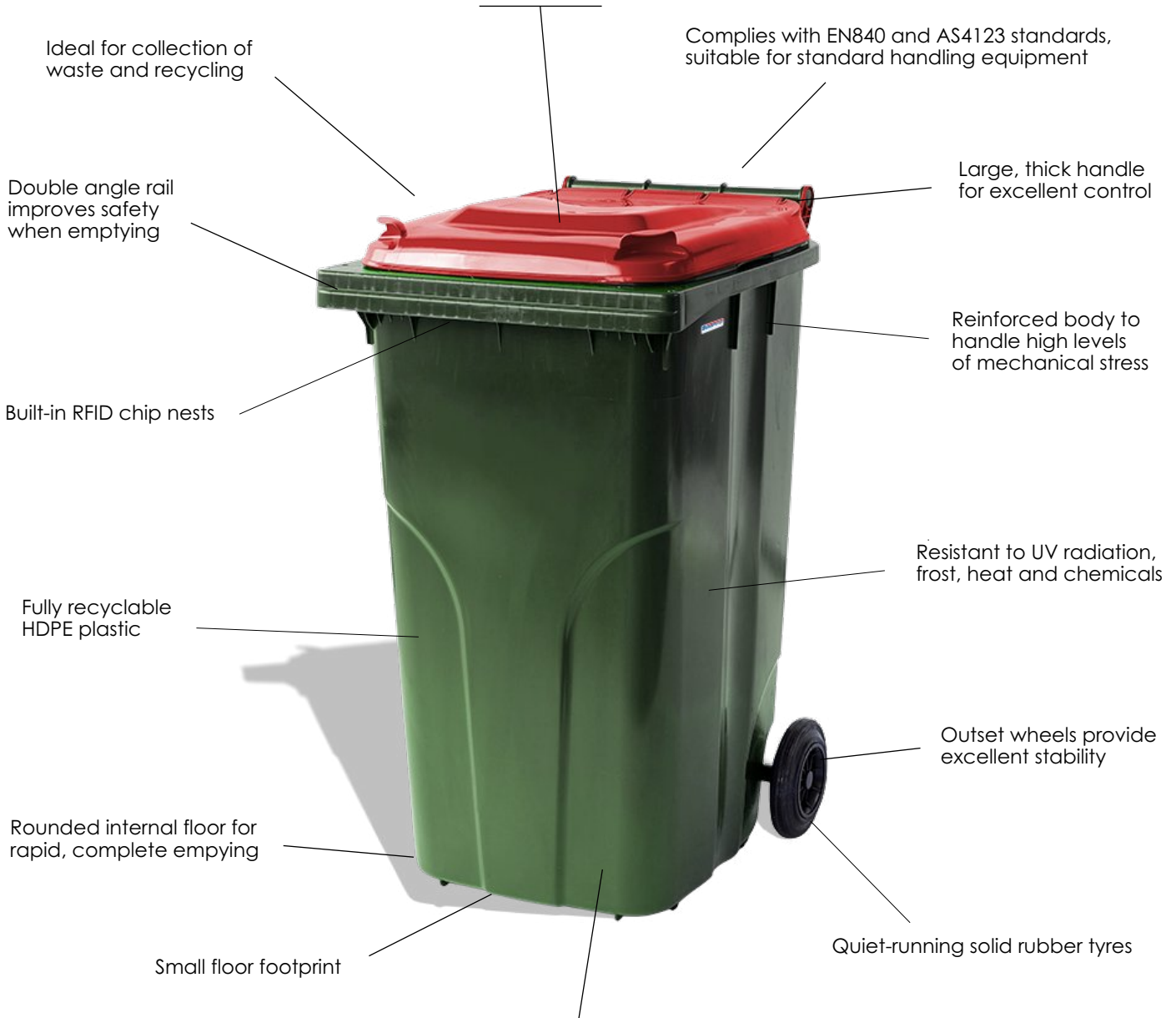
EN840 The European standard EN840 is widely used in Europe, Asia, Africa and Australasia. EN840-compliant bins are often called 'wheelie bins'. They are measured in litres and are designed to be lifted by a reinforced comb around the lip of the bin.

ANSI Z245.60 (Type B) The US standard ANSI Z245.60 (Type B) is widely used in North and South America. ANSI-compliant bins are often called 'trash carts'. They are measured in gallons and are designed to be lifted by a latch and bar mechanism on the front face of the bin.



Wheelie Bins

Lid colours available*	Rubbish	Mixed recycling	Paper	Glass	Garden waste	Food waste
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Body colours available	Recommended**	Optional	Optional	Optional
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Standard sizes



*Per WasteMINZ standards, lid colours only are used to indicate bin usage. **Dark green bodies allow maximum recycled content.

A complete range of two- and four-wheel wheelie bins are available from Simpro, with capacities of 80, 120, 240, 360, 660 and 1100 litres. Featuring robust HDPE construction, these bins are ideal for waste and recycling applications, and are compatible with all Simpro bin-handling equipment.

Simpro wheelie bins are easy to maneuver thanks to several features, including large, thick grab-handles, an exposed axle for easier tilting, and

stable outset wheels. A reinforced comb is provided to suit EN840-standard lifting equipment.

The bins are injection-moulded from a special UV-stabilized HDPE plastic, which is extremely robust, and resistant to decay, frost, heat and chemicals.

Simpro offers both the bodies and the lids in a range of vivid colours, in compliance with WasteMINZ standards for waste and recycling bins.

Exposed axles for easier tilting



Easy-to-open moulded lids



Huge range in stock



Model	Volume	Capacity	Wheels	Length	Width	Height	Weight	Standards Compliance
MGB80	80 litres	32kg	2x ø200mm fixed outset wheels	480mm	450mm	840mm	8.5kg	EN840 AS4123 ISO9001
MGB120	120 litres	48kg		480mm	480mm	930mm	9.3kg	
MGB240	240 litres	96kg		660mm	585mm	1060mm	13kg	
MGB360	360 litres	144kg	2x ø200mm fixed inset wheels	770mm	680mm	1100mm	17kg	
MGB660	660 litres	265kg	4x ø200mm swivel castor wheels (2 braked)	780mm	1260mm	1300mm	43kg	
MGB1100	1100 litres	440kg		1070mm	1240mm	1330mm	65kg	
MGB-CUSTOM	Enquire with Simpro via sales@simpro.world or +64 9 634 7445, or view options at https://simpro.world/bins							



BinBlaster

Bins lifted just past horizontal at ergonomic height for cleaning

Controls can be fitted to either side

Lift ram powered by mains water pressure - no power supply or electrocution hazard

Design folds flat in minutes for easy storage or transport

Robust hot-dip galvanised steel construction



Works with all wheelie bins



simple controls



Removable debris basket





1.0m
Fixed tip height



80kg
Capacity (max gross bin weight)



~20 standard bins per hour
Duty cycle



Water pressure
Power supply - no electricity required

“Such a simple and effective innovation!”

Christian Allen - Head of Environmental Operations
Boston Borough Council

The new Simpro BinBlaster solve the problem of washing wheelie bins with a simple but unique idea: it draws hydraulic power from the water supply (or from an optional battery pack) to quickly lift and tilt bins at an ergonomic height for manual washdown.

The BinBlaster's 'antler' bin-hitch system which can safely lift wheelie bins from 80L right up to 1100L, with no clamping or modification. By simply turning the control lever, the bins are lifted onto their side at the optimum height for washdown. And since no electric power is required the BinBlaster can be used anywhere, and avoids the risk of electric shock.

Debris washed from inside the bin is caught by an extendable tray and collected in a small bucket, which prevents objects such as broken bottles from entering the wastewater system. Additionally, if the BinBlaster is to be used in a water-scarce environment the optional water catchment tank and recirculation system can be installed, which reduces water usage.

The BinBlaster features a hot-dip galvanised steel frame, with two wheels to allow easy movement. Contact your Simpro agent for a quote.



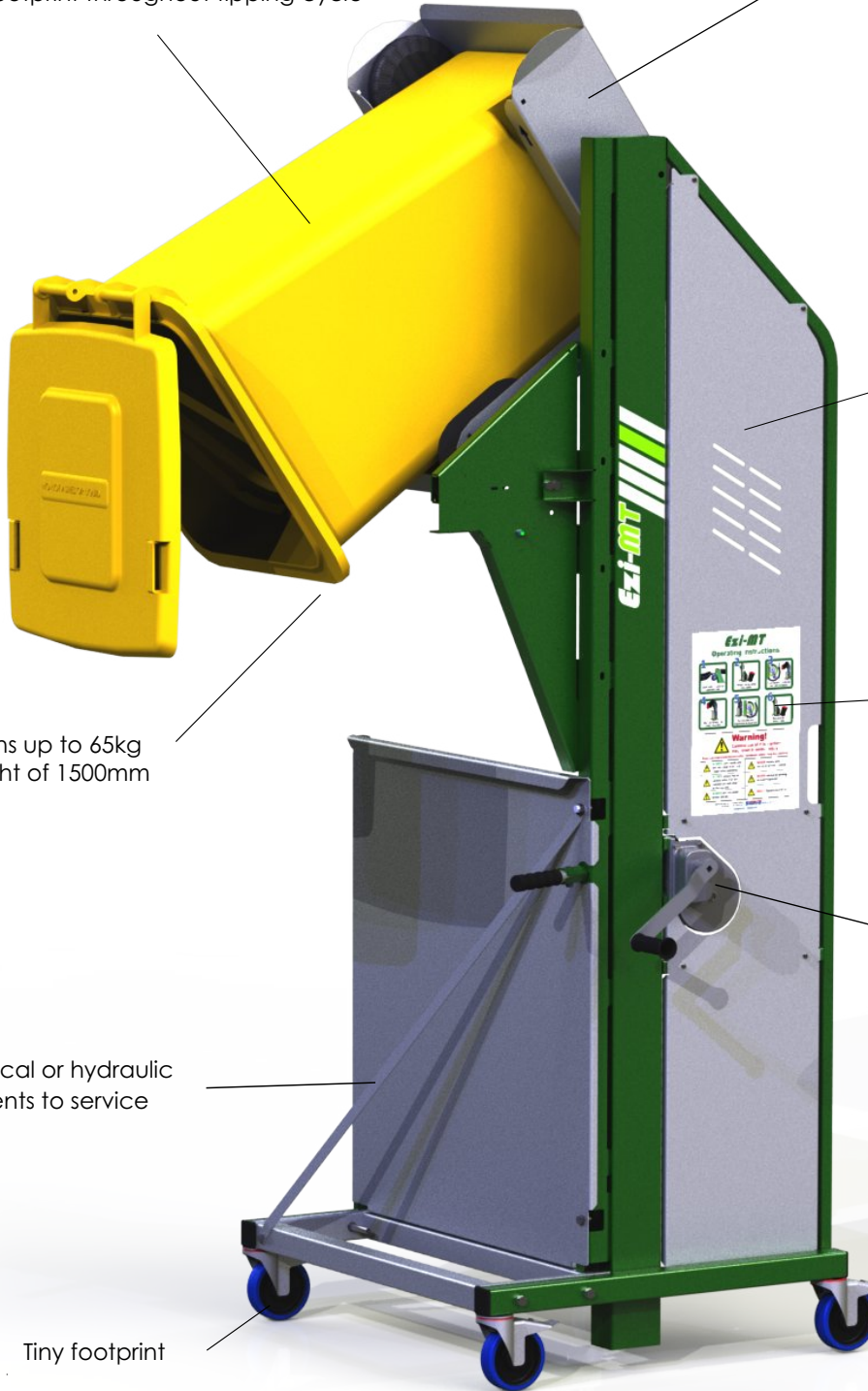
Model	Lifting Height	Capacity	Power	Service Dimensions	Weight	IP Rating	Safety Performance
BB1000-B	1000mm	80kg	12V/21Ah AGM battery in carrypack	1400L x 1500W x 1127H (cradle lowered)	~60kg	IP56	CAT2/PLc
BB1000-H	1000mm	80kg	Mains water pressure (40psi or more)	1400L x 1500W x 1900H (cradle raised with 1100L bin)	~60kg	IP66	CAT2/PLc
BB1000X	Enquire with Simpro about customising the BinBlaster on sales@simpro.world or +64 9 634 7445						



Ezi-MT[®]

Uniquely safe design - weight of bin stays within machine footprint throughout tipping cycle

Versatile cradle lifts all wheelie bins with no clamping or adjustment



Rugged steel construction, with zinc-plated cradle and guards

Hazard guide and operating instructions

Intuitive winch operation

Dual foot-brakes

Empty bins up to 65kg at a height of 1500mm

No electrical or hydraulic components to service

Tiny footprint

Heavy-duty braked winch



Clear pictorial user guide



Mass-produced for affordable quality





1.5m

Standard tipping height



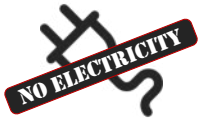
65kg

Capacity (max gross bin weight)



150kg of material per operator per hour

Duty cycle



Manual Winch

Power supply - no electricity required

“...saves my shoulders, and saves my muscles.”

Max Schroder - Caretaker - Sancta Maria College

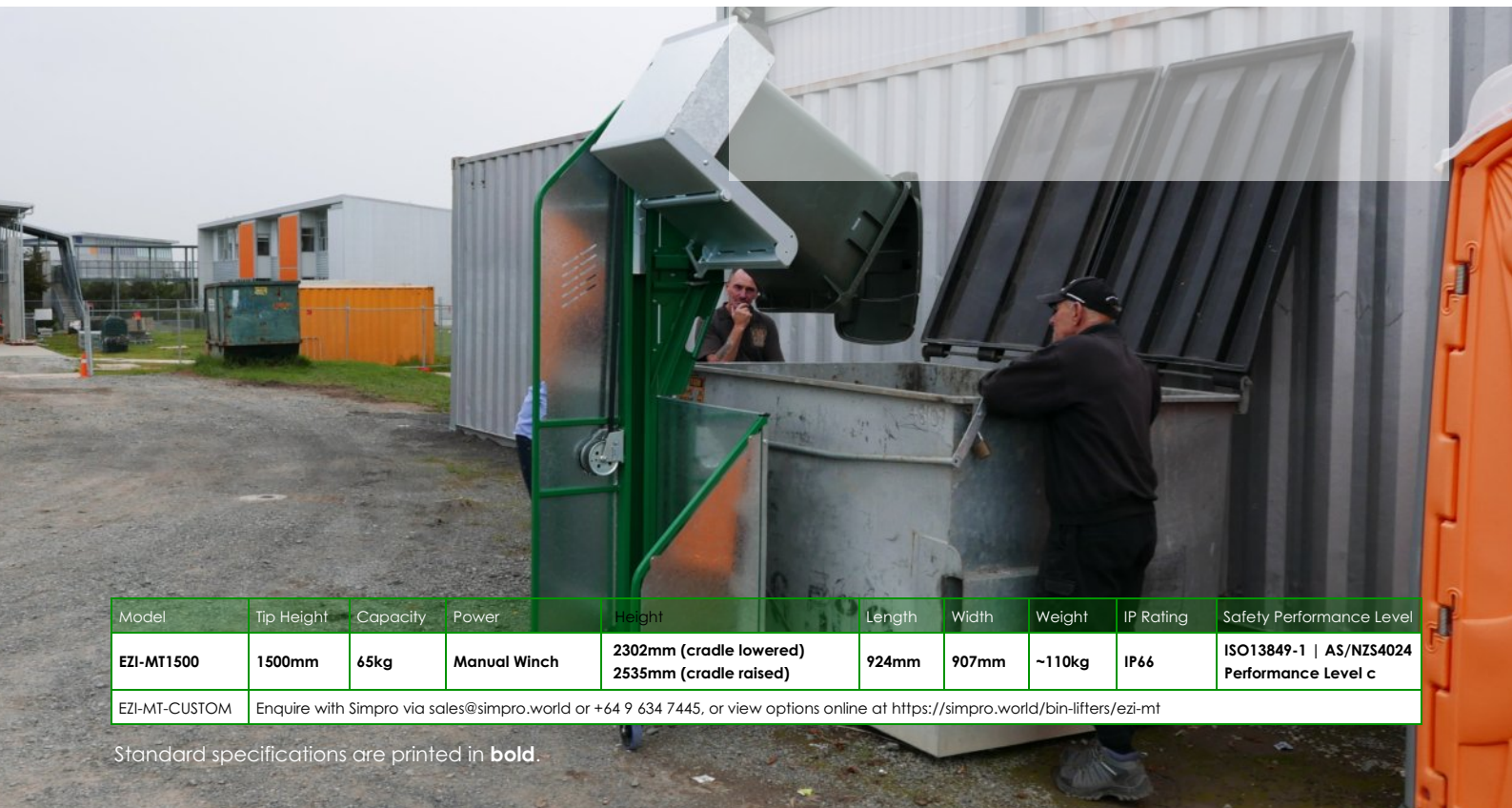
The Ezi-MT is an economical manual bin tipper from Simpro, designed for low-volume users. Although it has a large 65kg lifting capacity, the Ezi-MT is lightweight and easy to move – making it an ideal solution for schools, cafes, small businesses, and local authorities.

The Ezi-MT uses the same reliable tipping action found on other Simpro products, but with a difference: it is powered by the user! The unique hand winch-powered design allows full compliance with workplace health and safety laws, without expensive hydraulic machinery.

To ensure safety and stability when emptying heavy bins, the Ezi-MT keeps the weight of the bin within the footprint of the machine, right throughout the tipping cycle.

Whole-of-life environmental impact was considered from the start of the Ezi-MT design process, to create a product that doesn't hurt the planet. The single-mast design weighs just 110kg, and can be shipped flat-packed to reduce emissions from transport. The Ezi-MT has no powered components, generates no electronic waste, and is completely recyclable.

Yet the Ezi-MT is also very robust, and can be used outdoors for many years with little or no maintenance.



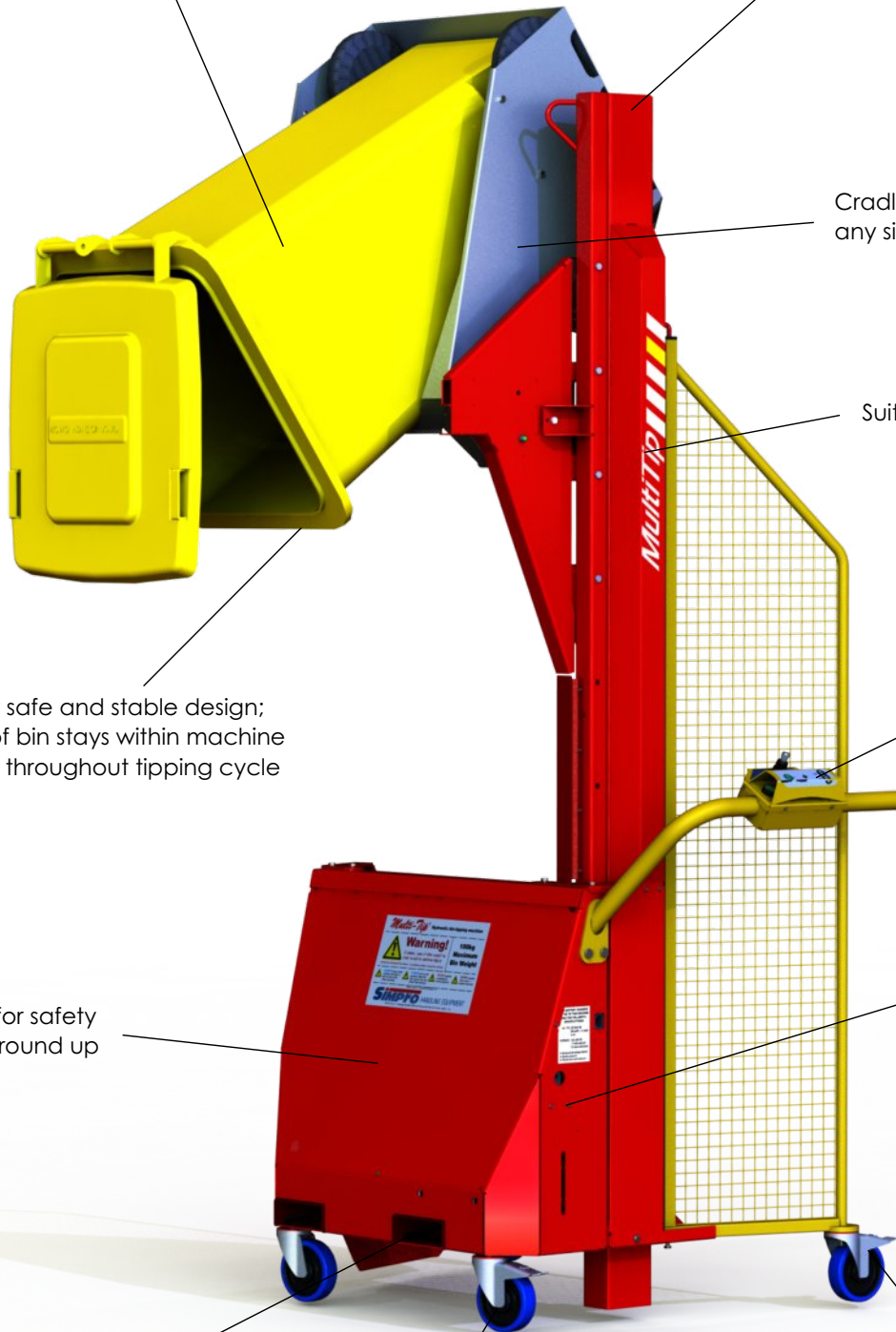
Model	Tip Height	Capacity	Power	Height	Length	Width	Weight	IP Rating	Safety Performance Level
EZI-MT1500	1500mm	65kg	Manual Winch	2302mm (cradle lowered) 2535mm (cradle raised)	924mm	907mm	~110kg	IP66	ISO13849-1 AS/NZS4024 Performance Level c
EZI-MT-CUSTOM	Enquire with Simpro via sales@simpro.world or +64 9 634 7445, or view options online at https://simpro.world/bin-lifters/ezi-mt								

Standard specifications are printed in **bold**.



Empty bins weighing up to 150kg at a height of 1600mm

Solar panel kit available for use in remote locations



Cradles to suit almost any size or shape of bin

Suitable for outdoors use

Uniquely safe and stable design; weight of bin stays within machine footprint throughout tipping cycle

Intuitive dual-hand controls

Designed for safety from the ground up

12V/21Ah AGM battery, maintenance-free

Integrated fork pockets

Large castor wheels

Dual foot-brakes

Model	Tip Height	Capacity	Power	Height	Length	Width	Weight	IP Rating	Safety Performance Level
MT1600-B	1600mm	150kg	Battery solar	2380mm (cradle lowered) 2660mm (cradle raised)	879mm	1237mm	~160kg	IP56	ISO13849-1 AS/NZS4024 Performance Level c
MT-CUSTOM	Enquire with Simpro via sales@simpro.world or +64 9 634 7445, or view options online at https://simpro.world/bin-lifters/multi-tip								

Standard specifications are printed in **bold**. See page 18 for options and accessories.



1.6m

Standard tipping height



150kg

Capacity (max gross bin weight)



2,500kg of material per charge
or 1,000kg per hour continuous

Duty cycle



Battery | solar

Power supply

“...as far as **compliance**
and relieving me of hard work,
this is the best.”

Graham Hawkes - Caretaker - One Tree Hill College

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

The Multi-Tip uses an innovative single-mast design which allows the operator an unimpeded view of operations to ensure safety. A dual-hand control system ensures moving parts cannot be accessed while the machine is in use. Additionally, the open design greatly simplifies the tasks of cleaning and maintenance.

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

Like all Simpro products, the Multi-Tip is extremely robust and requires no regular maintenance. It is corrosion-resistant and IP-rated to allow for indoors or outdoors use, and a stainless steel version is available for use in hygiene-critical environments.





Model	Tip Height	Capacity	Power	Height	Length	Width	Weight	IP Rating	Safety Performance Level
DM0700*	700mm	250kg	Battery solar 1-phase mains 3-phase mains compressed air	1770mm	1170mm	964mm	~185kg	IP56 IP66 IP69K	ISO13849-1 AS/NZS4024 Performance Level c Performance Level d Performance Level e
DM1200	1200mm			2260mm			~205kg		
DM1500	1500mm			2560mm			~215kg		
DM1800	1800mm			2860mm			~225kg		
DM2100	2100mm			3160mm			~235kg		
DM-CUSTOM	xxxx mm	Enquire with Simpro via sales@simpro.world or +64 9 634 7445, or view options online at https://simpro.world/bin-lifters/dumpmaster							

Standard specifications are printed in **bold**. See page 18 for options and accessories.

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



0.7m - 6.0m

Various tipping heights available



250kg

Capacity (max gross bin weight)



**10,000kg of material per charge
or 5,000kg per hour continuous**

Duty cycle—battery/mains-powered



Battery | solar | 3-phase

Power supply

“Our bin lifter is solar
powered and has not needed to be
charged for **18 months!**”

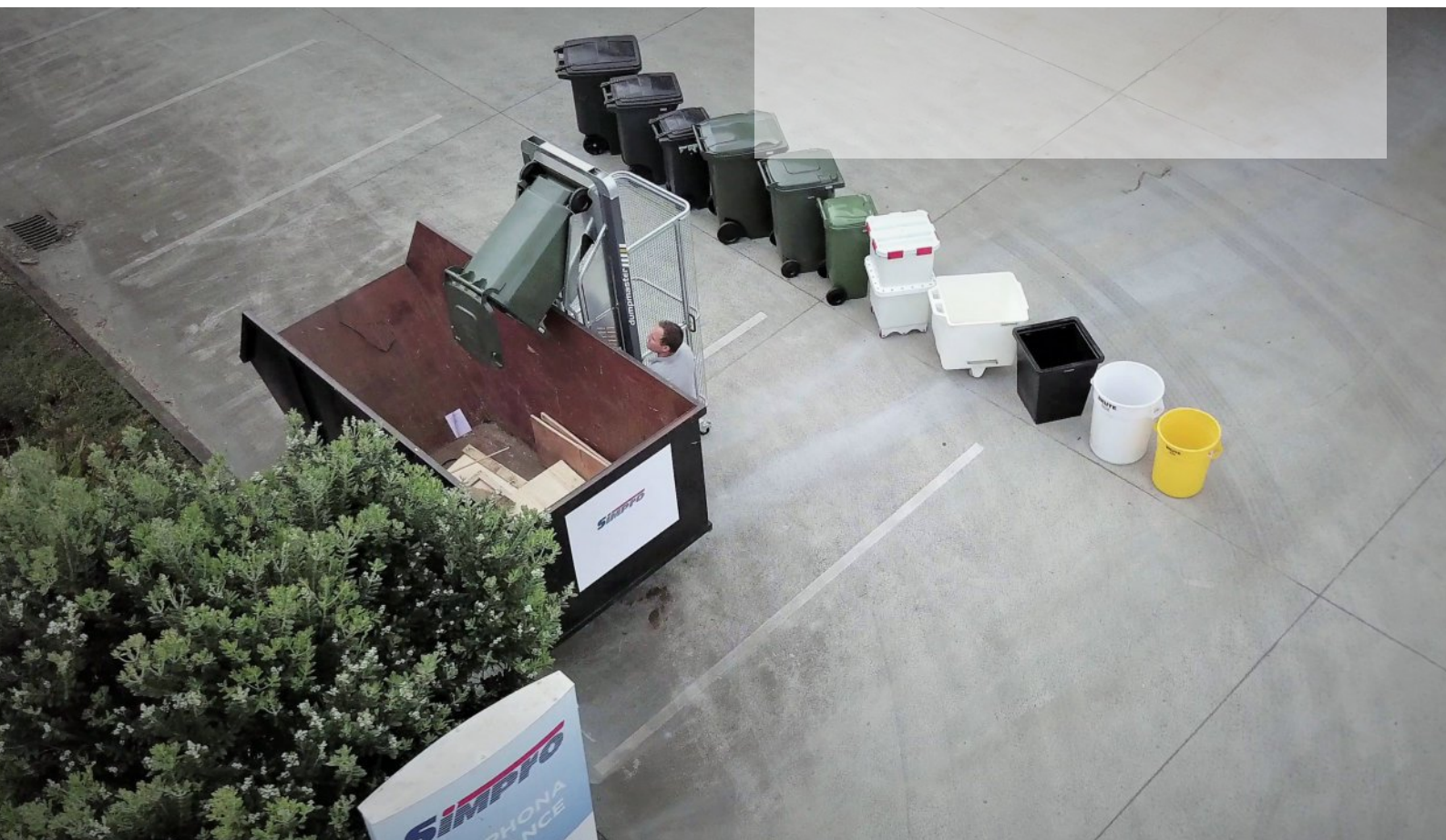
Les Pettifer - Kumeu Equestrian Trainer - Auckland

The Simpro Dumpmaster safely empties any kind of bin at any height, with a unique electro-hydraulic mechanism that can lift and tip more than 250kg. The Dumpmaster was the very first mobile bin-tipping machine on the market, and has been continuously improved over more than thirty years.

Dumpmaster bin tipper are very versatile and are used in dozens of applications; from emptying rubbish bins into skips to pouring food ingredients into mixers. They feature a unique tipping action which lifts the bin straight up, then gently rolls it upside down over the lip of the receptacle. Less than 1m² of floor space is required regardless of tipping height, since the weight of the bin is maintained within the floor footprint at all times.

The Dumpmaster was designed for safety, with full guarding and door interlock systems fitted as standard. The machine can be optionally certified to various safety standards, including ISO13849 and AS/NZS4024 up to PLe if required.

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





MegaDumper®

Empties bins weighing up to 600kg at heights up to 6 metres

CAT2/Plc safety performance, optionally upgraded to Cat3/PLe or CAT4/PLe

- Cradles available to suit:
- Wheelie Bins up to 1100L
 - Eurobins
 - Mixing Bowls
 - Dolav Bins
 - Roser Bins
 - Nally Bins
 - Laundry Trolleys
 - Carts
 - Drums
 - Boxes and Cartons
 - Custom containers

Designed and made in New Zealand

Hot-dip galvanised steel construction, suitable for use indoors and out

Full-height guarding

Simple spill-proof controls with IP66 ingress protection

Gas strut-assisted swing-up door

1-phase, 3-phase, battery or compressed-air power

CAT2 safety door interlocks

Large braked castor wheels

Small 2m² floor footprint

Model	Tip Height	Capacity	Power	Height	Length	Width	Weight	IP Rating	Safety Performance Level
MD600B1500	1500mm	600kg (up to 660L bin)	3-phase mains 1-phase mains compressed-air battery solar	3155mm	1342mm	1874mm	~350kg	IP56 IP66 IP69K	ISO13849-1 AS/NZS4024 Performance Level c Performance Level d Performance Level e
MD600E1500		600kg (up to 1100L bin)		3240mm	1592mm		~400kg		
MD600B1800	1800mm	600kg (up to 660L bin)		3455mm	1342mm		~375kg		
MD600E1800		600kg (up to 1100L bin)		3540mm	1592mm		~430kg		
MD-CUSTOM	xxxx mm	Enquire with Simpro via sales@simpro.world or +64 9 634 7445, or view options online at https://simpro.world/bin-lifters/megadumper							

Standard specifications are printed in **bold**. See page 18 for options and accessories.



0.9m - 6.0m

Various tipping heights available



600kg

Capacity (max gross bin weight)



10,000kg of material

per hour continuous

Duty cycle—3-phase mains-powered



Battery | solar | 3-phase

Power supply

“Fantastic piece of kit”

Stephen Holbrook - Baler & Compactor Services - Belfast

The Simpro MegaDumper is based on the proven design principles of the Dumpmaster, and is probably the safest and most reliable industrial waste bin tipper available.

Originally designed for emptying 660-litre and 1100-litre wheelie bins weighing up to 600kg, the MegaDumper can be easily adapted to empty almost any 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.

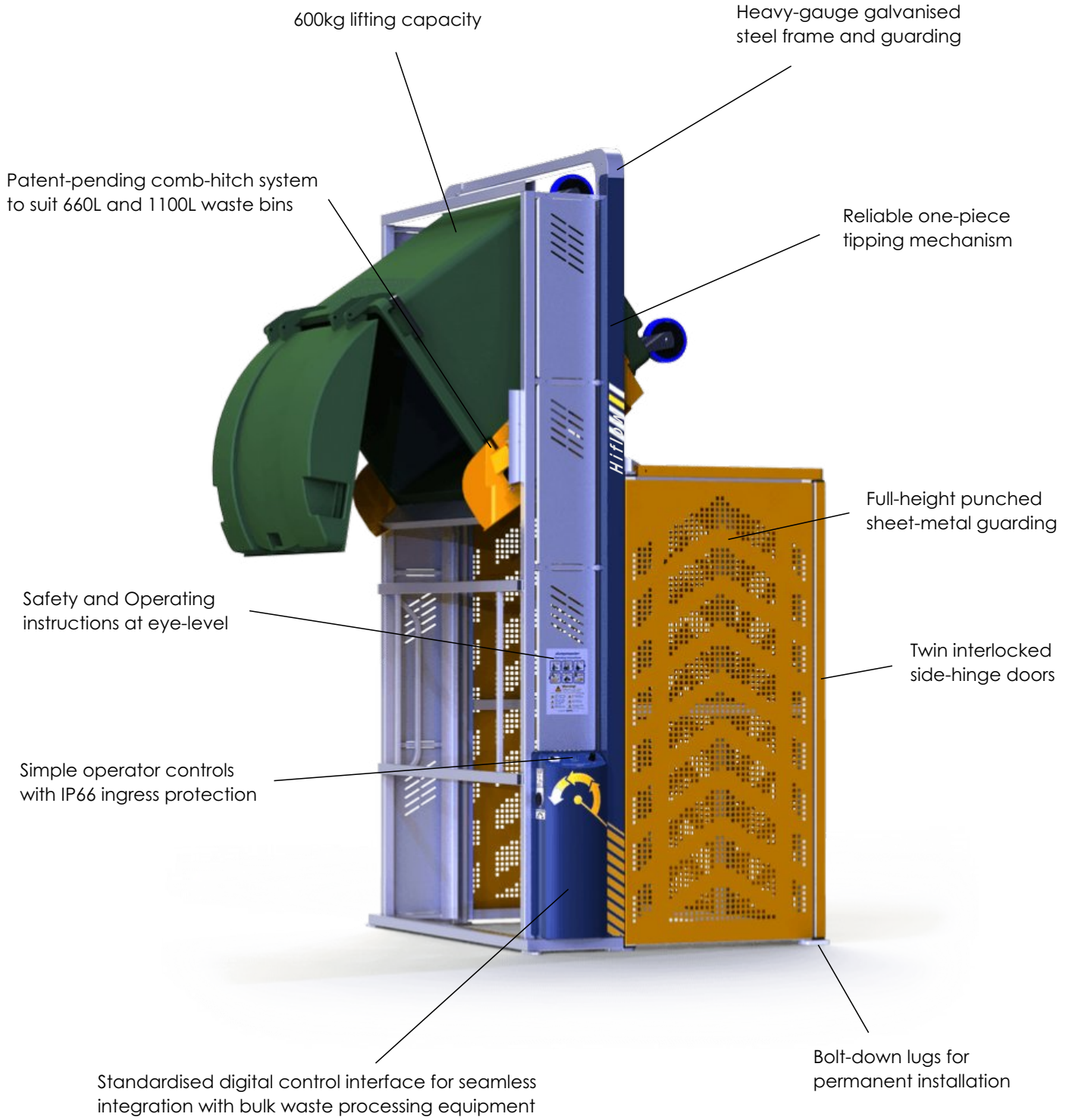
Like all Simpro products, the MegaDumper was designed for safety from the ground up. Full-height guarding and a swing-up door with safety interlock system are fitted as standard. The machine can be optionally certified to various safety standards, including ISO13849 and AS/NZS4024 up to PLe if required.

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





Hiflow



Heavy-duty side hinge doors



Patent-pending comb hitch



Reliable one-piece tipping guide





1.8m
Standard tipping height



600kg
Capacity (max gross bin weight)



20,000kg of material
per hour continuous
Duty cycle



3-phase
Power supply

“Good machinery,
easy to operate,
responsive support”

Tim Simpkins - General Manager Sales - Reclaim Ltd

Hiflow is a heavy-duty bin lifter from Simpro, with huge throughput capacity and a patent-pending mechanical comb hitch to suit 240L, 660L and 1100L bins. It is designed as a plug-and-play replacement for the bin lifters that are often built into high-volume waste processing equipment, such as compactors and balers. The Hiflow bin lift offers machinery OEMs lower costs, higher reliability, better safety and Simpro's trusted bin lifting expertise.

The Hiflow can quickly dump large four-wheeled bins weighing up to 600kg, and unlike traditional fixed-pivot lifts, it can be built to empty bins at any height. The patent-pending comb hitch system lifts all common waste bins, and avoids placing large stresses onto the plastic bin comb. With no actuators and just three moving parts, the comb hitch system also offers dramatically reduced cost, complexity and maintenance.

The Hiflow features an ultra-heavy-gauge steel frame, guarding and doors, and a standardised control interface for seamless integration with all types of bulk waste processing equipment.

With a Simpro Hiflow, you can focus on what you're good at. We'll empty the bins into it.



Model	Tip Height	Capacity	Power	Height	Length	Width	Weight	IP Rating	Safety Performance Level
HF1800-CUSTOM	1800mm	600kg	3-phase mains	Application specific					ISO13849-1 AS/NZS4024 Performance Level c

Standard specifications are printed in **bold**. See page 18 for options and accessories.



Standards and compliance

Simpro machines can be specified to meet international standards for machinery safety, including ISO13849-1 and AS/NZS4024 up to Cat4/PLe level if required. This typically involves additional features such as a PLC unit, E-stop buttons and uprated circuitry.



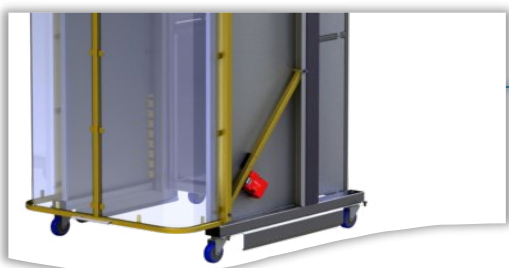
Solar panel kit

Battery-powered machines that are to be used outdoors can be fitted with a solar panel. Depending on the amount of sunlight available, up to five tonnes of material can be emptied each day using solar power alone.



Bin hook kit

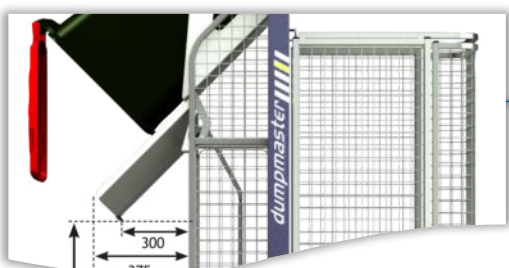
The bin hook kit can be quickly attached to most models, and secures the machine in place against a skip or hopper. Several different versions are available, to suit different bins. The unit can be simply mounted at any height, without fastenings.



Safety door kit

All machines with cage guarding can be supplied with a left-hinge door, right-hinge door, swing-up door or roller door.

The swing-up door and roller door take up little space, but are more complex and may require additional maintenance.



Tipping chute kit

A range of frame-mounted tipping chutes are available for applications where the machine cannot be placed right beside the destination receptacle. The tipping chutes simply bolt onto the frame, and can be folded up out of the way when not in use.

Stainless steel construction

All machines can be fully or partially constructed from 304 grade stainless steel, suitable for hygiene-critical or corrosive environments such as food processing or chemical manufacturing.

Corrosion-resistant lifting chains are fitted to all models as standard.



Polycarbonate kit

Unbreakable polycarbonate plastic guarding can be fitted in place of the standard 25x25mm wire mesh guarding.

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



Auto-cycle kit

An auto-cycle controller may be fitted to mains-powered machines, allowing the operator to move away while tipping.

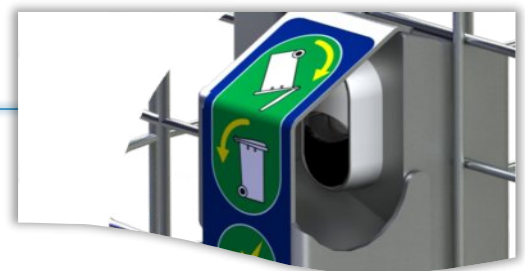
A full-authority digital control unit is also available, allowing complex programmable behaviours or interaction with other equipment.



Control panel kit

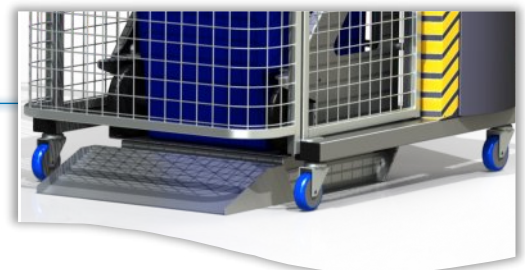
Operator controls can be fitted anywhere on the machine, on a pendant control, or even in remote locations, to suit productivity or safety requirements.

Dual-hand controls can also be fitted, which prevent the operator from carrying out other interactions while using the machine.



Other options

- Digital scales: accurately weigh product as it is emptied.
- Additional guarding: foot-guard panels, front-guard panels, etc.
- Compressed-air power: for flammable or explosive environments.
- Custom designs: to suit unique industrial requirements.



 Simpro has been developing, manufacturing and retailing Smart Lifting 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 equipment for niche applications – such as bin lifting, tipping and handling equipment, pallet trucks, stackers, order pickers, and goods lifts.


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


management, resource extraction, pharmaceutical manufacturing and food processing. They are distributed through a worldwide network of agents, 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.

The products in this catalogue contain intellectual property, including design elements registered to or licensed by Simpro Handling Equipment Ltd.

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