



EN840 Waste Handling Equipment Catalogue

Wheelie bin lifting, tipping, moving and cleaning equipment from Simpro.

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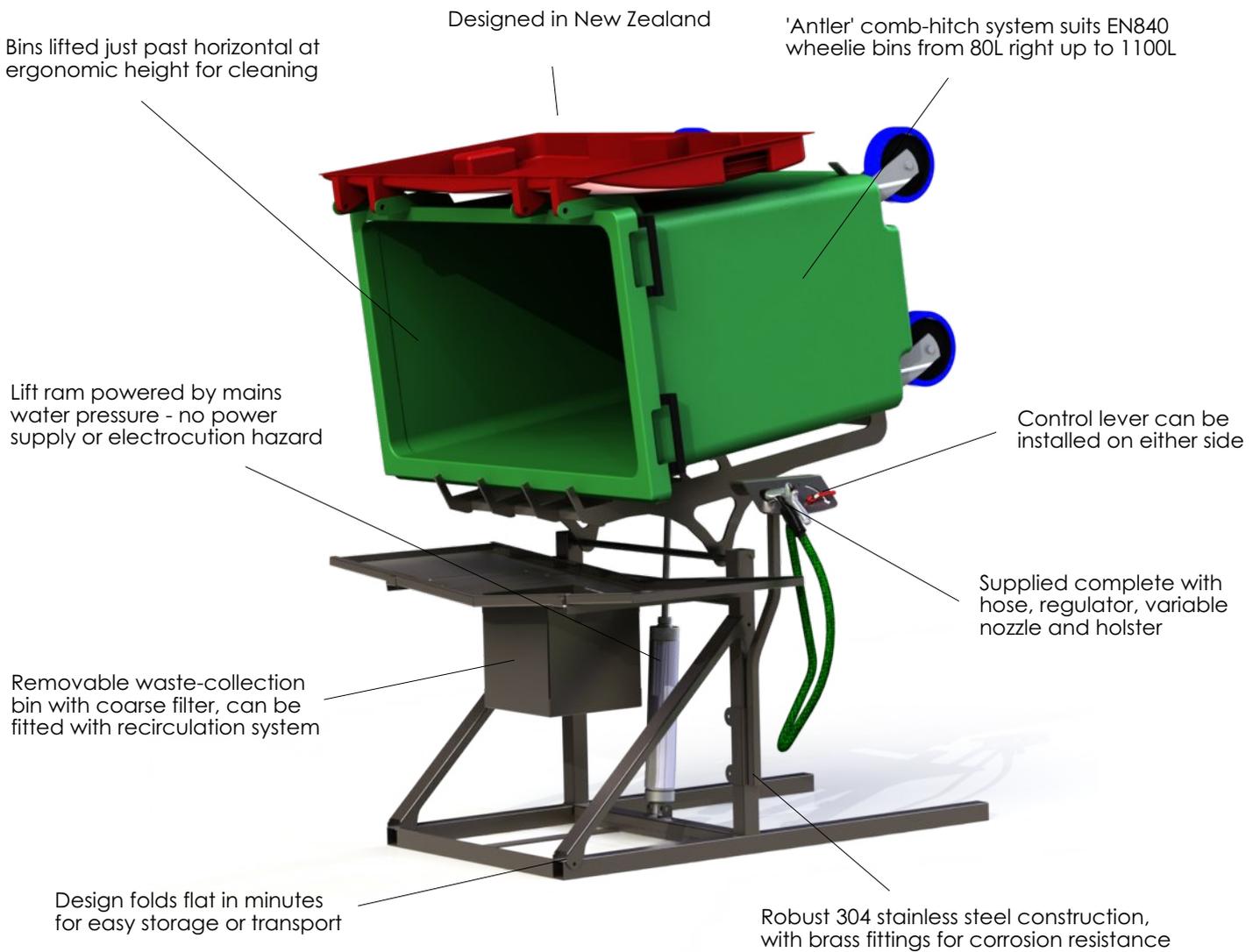
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BinBlaster



Bins lifted just past horizontal at ergonomic height for cleaning

Designed in New Zealand

'Antler' comb-hitch system suits EN840 wheelie bins from 80L right up to 1100L

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

Control lever can be installed on either side

Removable waste-collection bin with coarse filter, can be fitted with recirculation system

Supplied complete with hose, regulator, variable nozzle and holster

Design folds flat in minutes for easy storage or transport

Robust 304 stainless steel construction, with brass fittings for corrosion resistance

Works with all common wheelie bins



Simple, easy-to-use controls



Braked castor wheels



| Model | Tip Height | Capacity | Power | Height (lowered) | Height (raised) | Length | Width | Weight | IP Rating | Safety Class |
|---------------|---|----------|----------------------------|------------------|-----------------|--------|--------|--------|-----------|--|
| BB1100 | 1000mm | ~80kg | Mains water supply > 40psi | 1127mm | < 1900mm | 1400mm | 1500mm | ~60kg | IP66 | ISO13849-1 AS/NZS4024 Category 1 / PLc |
| BB1100-CUSTOM | Enquire with Simpro via sales@simpro.world or +64 9 634 7445, or view options online at https://simpro.world/bin-washers/binblaster | | | | | | | | | |



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!”

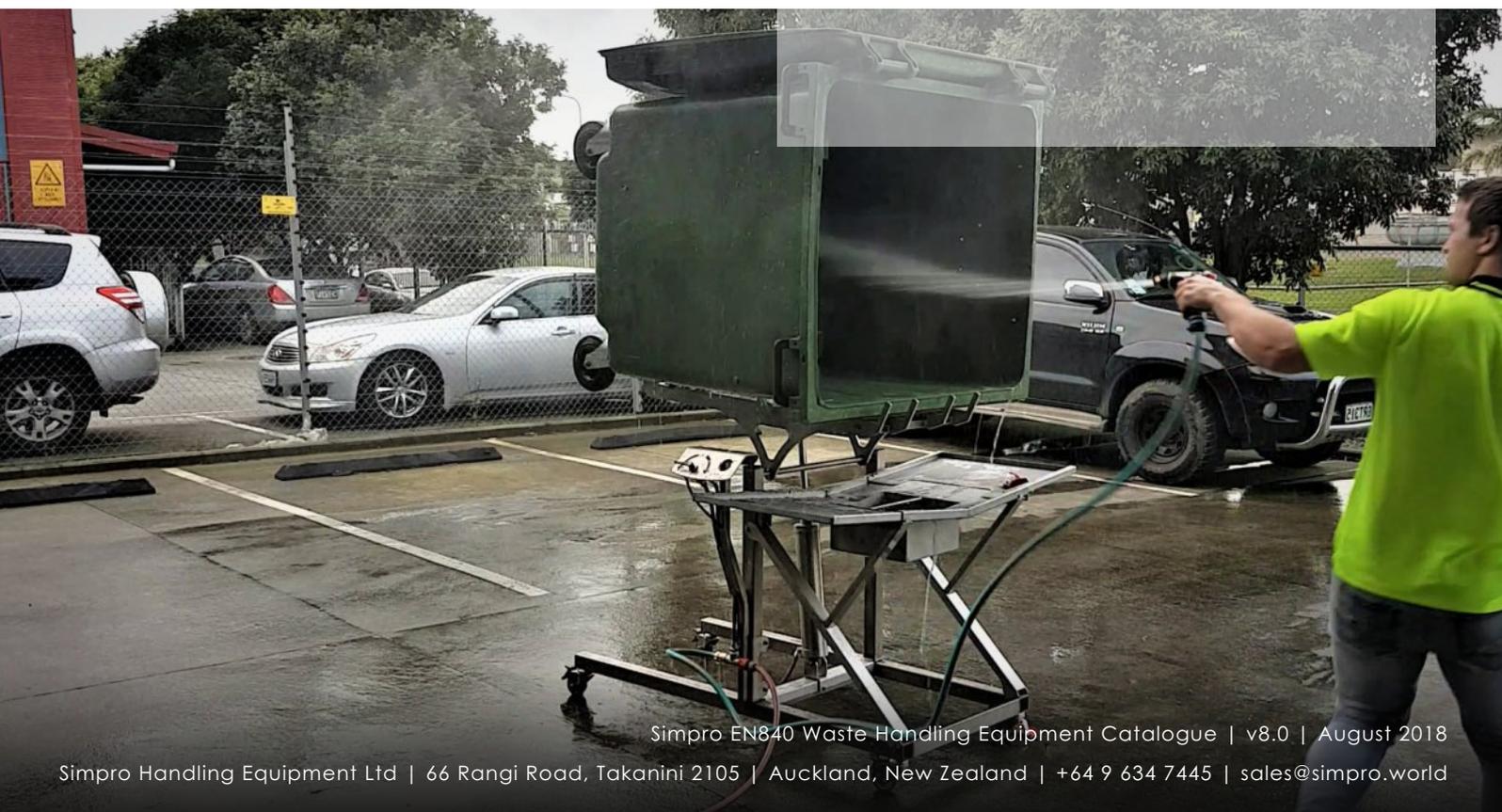
Christian Allen - Head of Environmental Operations
Boston Borough Council

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 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.

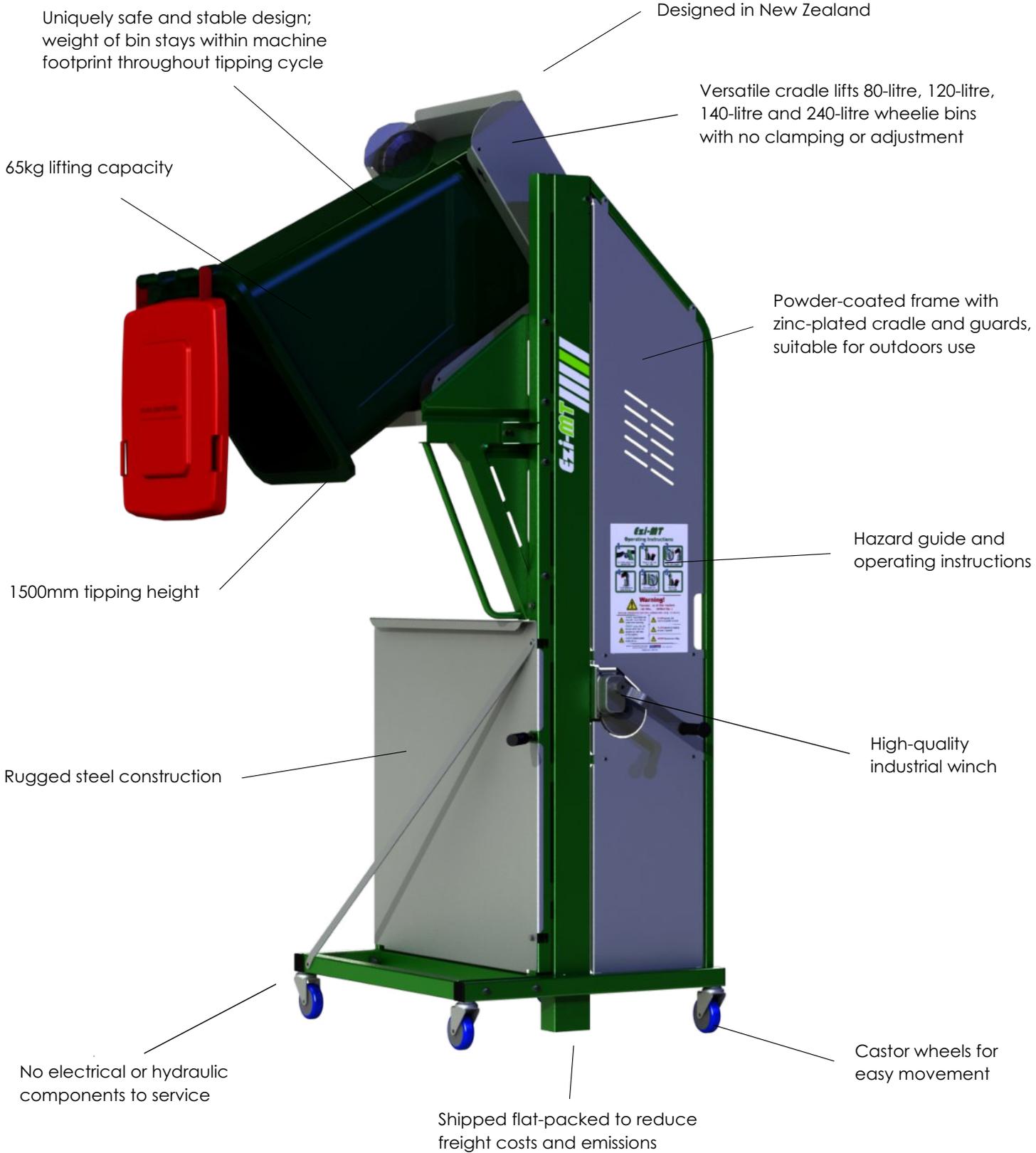
Debris washed from inside the bin is caught by an extendable tray and collected in a small bucket, which prevents objects such as broken bottles from entering the wastewater system. Additionally, if the BinBlaster is to be used in a water-scarce environment the optional water catchment tank and recirculation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

The BinBlaster features a stainless steel frame for durability, castor wheels for mobility, and a collapsible design for cost-effective shipping. Contact your Simpro agent for a quote.





Ezi-MT[®]



| Model | Tip Height | Capacity | Power | Height (lowered) | Height (raised) | Length | Width | Weight | IP Rating | Safety Performance Level |
|-------------------|---|-------------|---------------------|------------------|-----------------|--------------|--------------|---------------|-------------|--|
| EZI-MT1500 | 1500mm | 65kg | Manual Winch | 2302mm | 2535mm | 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**. See page 17 for details on cradle compatibility and page 18 for options and accessories.



1.5m

Standard tipping height



65kg

Capacity (max gross bin weight)



150kg of material per hour, per operator

Duty cycle



Manual Winch

Power supply - no electricity required

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

Max Schroder - Caretaker - Sancta Maria College

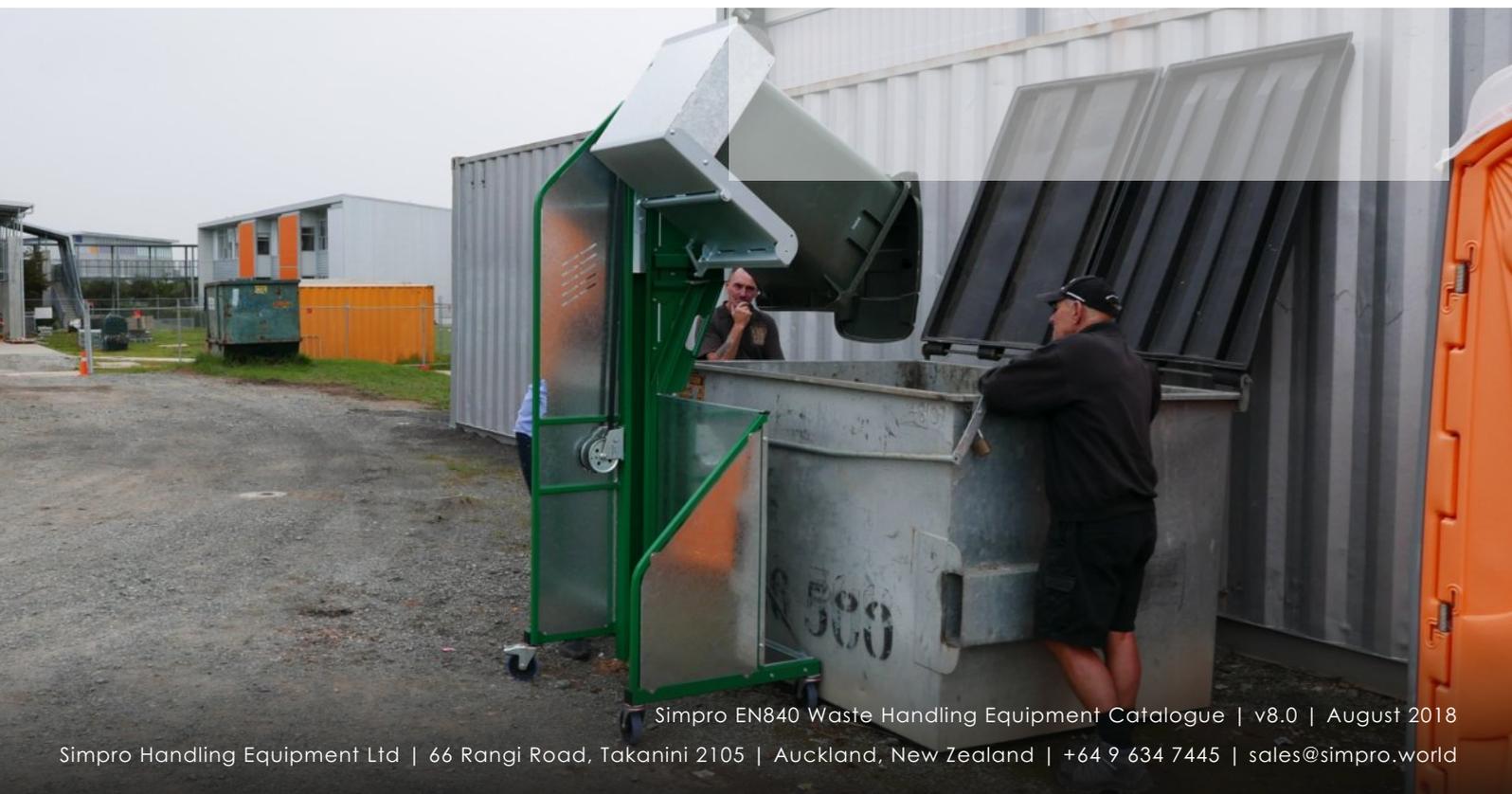
The Ezi-MT is an economical manual bin tipper from Simpro, designed for low-volume users. Although it has a large 65kg lifting capacity, the Ezi-MT is lightweight and easy to move – making it an ideal solution for schools, cafes, small businesses, and local authorities.

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.





Multi-Tip®



| 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 17 for details on cradle compatibility and 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.





Dumpmaster®



| 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 17 for details on cradle compatibility and 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 | 1-phase mains |
3-phase mains | compressed air**

Power supply

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

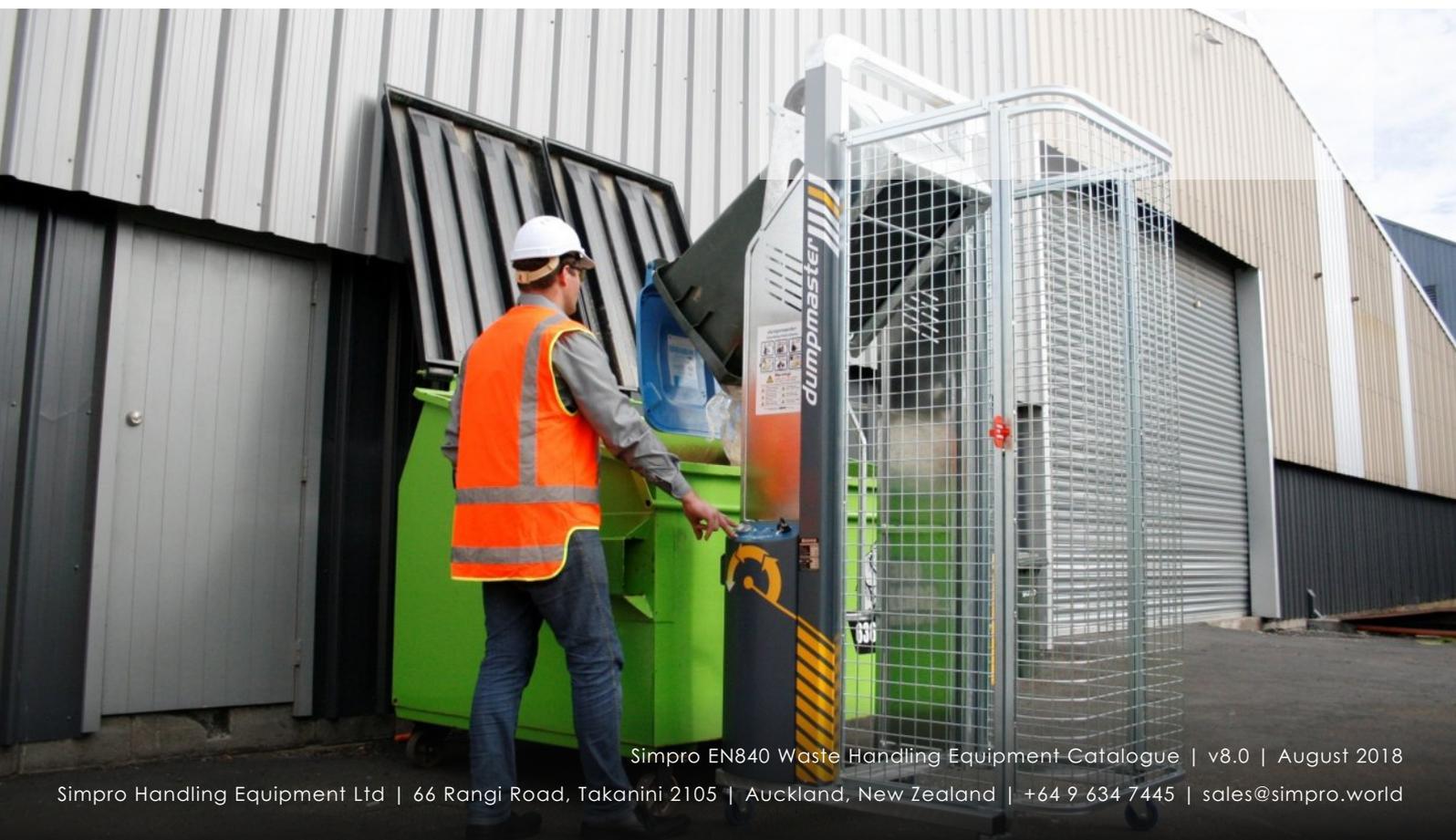
Les Pettifer - Kumeu Equestrian Trainer - Auckland

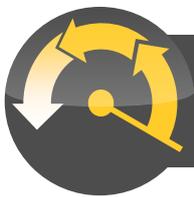
The Simpro Dumpmaster safely empties any kind of bin at any height, with a unique electro-hydraulic mechanism that can lift and tip more than 250kg. The Dumpmaster was the very first mobile bin-tipping machine on the market, and has been continuously improved over more than thirty years.

Dumpmaster bin tippers 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®

600kg lifting capacity as standard

Full safety standards compliance, including ISO13849 and AS/NZS4024 up to Performance Level e if required

- 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 manufactured in New Zealand

Reliable Simpro bin tipping mechanism, developed since 1989

Galvanised main frame and cradle, suitable for indoors or outdoors use

Tipping heights from 900mm to over 6 metres

Safety and Operating instructions at eye-level

Full-height guarding

Simple spill-proof controls with IP66 ingress protection

Gas strut-assisted swing-up door

Powerful and reliable hydraulic mechanism

Door interlock safety systems

1-phase, 3-phase, battery or compressed-air power for hazardous environments

Braked non-marking castors or optional bolt-down lugs

Compact design with 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 17 for details on cradle compatibility and 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



**3-phase mains | 1-phase mains |
battery | solar | compressed air**

Power supply

“Fantastic piece of kit”

Stephen Holbrook - Baler & Compactor Services - Belfast

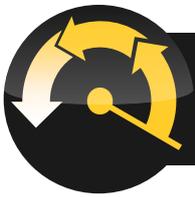
The Simpro MegaDumper is based on the proven design principles of the Dumpmaster, and is probably the safest and most reliable industrial waste bin tipper available.

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.

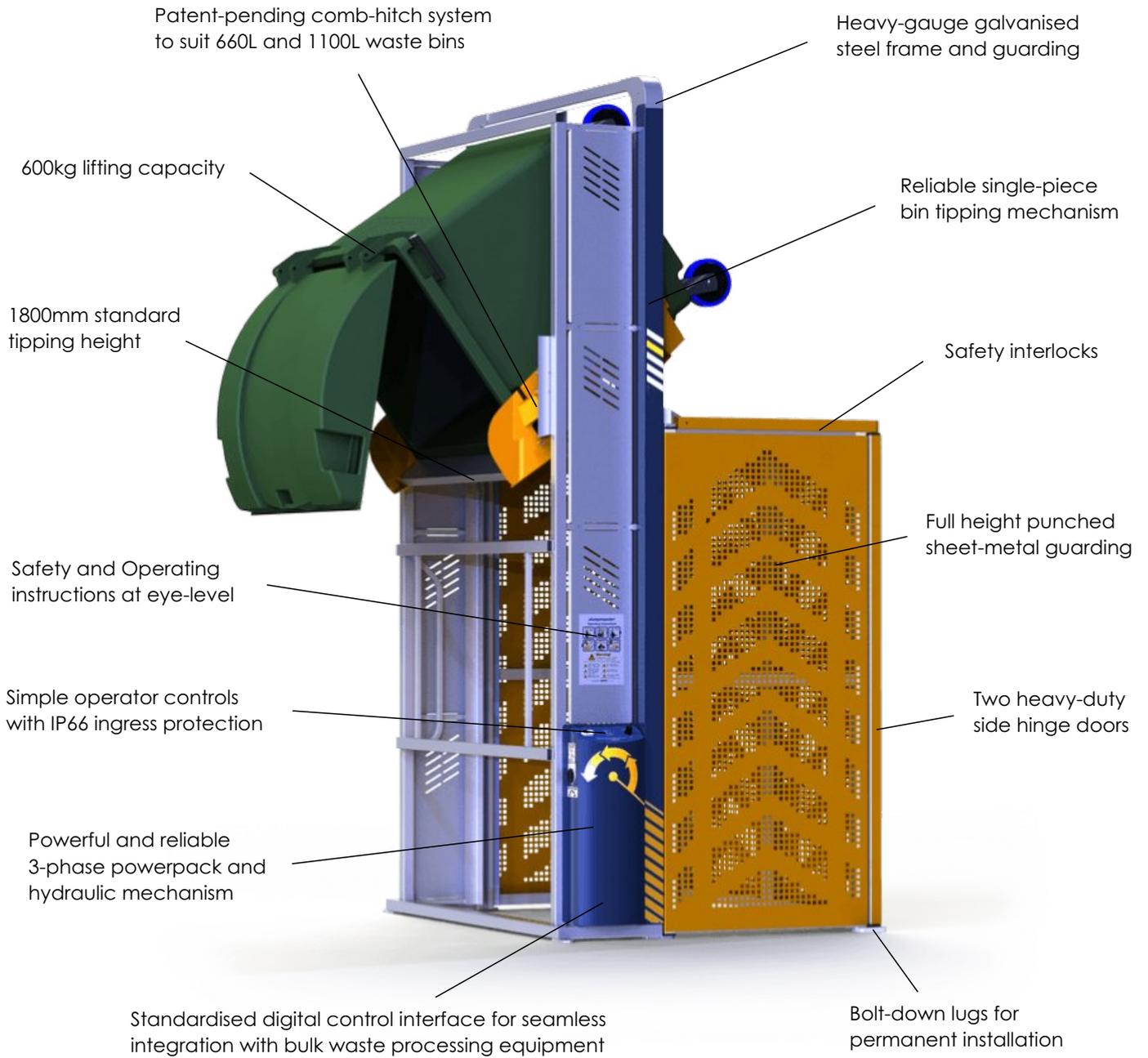
Like all Simpro products, the MegaDumper was designed for safety from the ground up. Full-height guarding and a swing-up door with safety interlock system are fitted as standard. The machine can be optionally certified to various safety standards, including ISO13849 and AS/NZS4024 up to PLe if required.

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



| 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 17 for details on cradle compatibility and page 18 for options and accessories.



1.8m

Standard tipping height



600kg

Capacity (max gross bin weight)



20,000kg of material
per hour continuous

Duty cycle



3-phase mains

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.





Wheelie Bins

Wheelie Bins (2-wheel EN840)

A complete range of two-wheel wheelie bins are available from Simpro, with capacities of 60, 80, 120, 140, 240 and 360 litres. These bins have stable outset wheels and a durable HDPE body, and are designed to be emptied by the Simpro Ezi-MT, Multi-Tip and Dumpmaster bin tippers. They are used by schools, households and businesses around the world for waste collection and recycling.

Simpro wheelie bins are easy to maneuver thanks to several features, including a large, thick grab-handle, outset 200mm wheels, and a reinforced comb for EN840-compliant lifting equipment. The new moulded lid is designed to divert moisture while allowing air flow to encourage evaporation, which is especially useful for organics or damp, heavy waste.

Both the body and lid are injection-moulded from a special UV-stabilized HDPE plastic, which is extremely robust, and resistant to decay, frost, heat and chemicals. All steel components are corrosion-treated to ensure a long service life in even the harshest of environments.

| Model | Volume | Wheels | Body/Lid Colours |
|-----------|---|-------------------------------------|---|
| WB60 | 60 litres | 2x ø200mm fixed outset wheels | Nature Green Dark Green Grey Black Blue Yellow |
| WB80 | 80 litres | | |
| WB120 | 120 litres | | |
| WB140 | 140 litres | | |
| WB240 | 240 litres | | |
| WB360 | 360 litres | 2x ø250mm inset wheels | Red Lime Green Custom Colours |
| WB660 | 660 litres | 4x ø200mm castors | Custom Colours |
| WB1100 | 1100 litres | | |
| WB-CUSTOM | Enquire with Simpro via sales@simpro.world or +64 9 634 7445, or view options online at https://simpro.world/bins | | |



Wheelie Bins (4-wheel EN840)

Simpro four-wheel waste bins are available in sizes of 660 litres and 1100 litres. These large mobile garbage bins have four castor wheels and a durable HDPE body, perfect for commercial waste and recycling. They are

designed to be lifted and tipped by the Simpro MegaDumper product range.

The bins are very stable and easy to manoeuvre - even with up to 400kg of waste - thanks to a reinforced base, four large castors and thick grab handles on all sides. A secure water-channeling lid (with optional hatch) minimises odours and allows the bins to be used both indoors and outdoors.

The body, lid and handles are injection-moulded from a special UV-stabilized HDPE plastic, which is extremely robust, and resistant to decay, frost, heat and chemicals. All steel components are corrosion-treated to ensure a long service life in even the harshest of environments.



Standard cradle features

The standard cradle can be used to empty all common EN840-compliant wheelie bins, without clamping or modification:

- 60-litre
- 80-litre
- 120-litre
- 140-litre
- 240-litre

Wide range of bolt-on catches, retainers and hooks are available for adaptation to suit almost any commercial container

Wheel catches retain the bin while inverted



Robust reinforced steel structure safely handles bins weighing up to 250kg

All components galvanised and suitable for outdoors use

Smaller bins can be securely retained by catching a wheel on just one side

Base lift design imposes no mechanical stress onto the bin structure or comb

Bin lifter, cradle and bin compatibility matrix

| Machine type | Cradle type | Bin type | | | | | | | | | Bin lifting mechanism | Bin retention mechanism |
|-------------------|-----------------------|---|-----|------|------|------|------|------|-------|--------|-----------------------|--|
| | | 60L | 80L | 120L | 140L | 240L | 360L | 660L | 1100L | Custom | | |
| Ezi-MT | BASE-EN-240 | Yes** | | | | | No | | | | Base lift* | Static wheel catches |
| Multi-Tip | | Yes** | | | | | No | | | | | |
| Dumpmaster | BASE-EN-360 | No | | | | | Yes | No | | | Comb lift* | Mechanical wheel catches |
| | COMB-EN-360 | Yes*** | | | | | | | | | | Mechanical comb-grip system (pat. pending) |
| | COMBI-CRADLE | No | | | | | | | | Yes | Base lift* | Customisable bolt-on catches |
| MegaDumper | BASE-EN-660 | Yes** | | | | | No | Yes | No | No | | Base lift* |
| | BASE-EN-1100 | Yes** | | | | | No | Yes | | | | |
| | COMB-EN-660 | Yes*** | | | | | No | | | | Comb lift* | Mechanical comb-grip system (pat. pending) |
| Hiflow | COMB-EN-1100 | Yes*** | | | | | | | | No | | |
| BinBlaster | ANTLER-EN-1100 | | | | | | | | | | | |
| All machines | CUSTOM | Custom cradles are available to suit any commercial bin or container - enquire with Simpro via sales@simpro.world or +64 9 634 7445 | | | | | | | | | | |

Standard or recommended specifications are printed in **bold**.

*Base lift cradles are recommended, as comb lift cradles place more mechanical stress on the bin structure, reducing bin life.

**If the wheelie bins have projecting 'outset' wheels - bins with 'inset' wheels are only compatible with comb lift cradles.

***If the bins have an EN840-compliant lifting comb around the lip - bins with no comb are only compatible with base lift cradles.



Options & 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 power

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

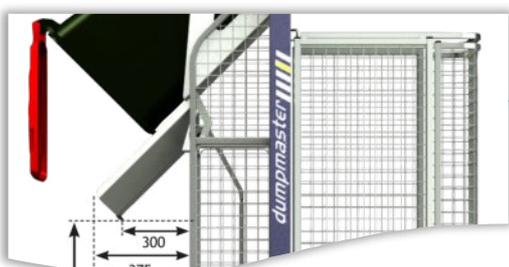
The bin hook kit can be quickly attached to most models, and secures the machine in place against a skip or hopper. Several different versions are available, to suit different bins. The unit can be simply mounted at any height, without fastenings.



Safety door options

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 options

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 guarding

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 controller

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 options

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.



i 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

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.

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

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