

dumpmaster®



dumpmaster®
HYDRAULIC BIN TIPPER

The best solution for all your tipping needs



KEY BENEFITS OF A DUMPMASTER®

SAFE, EASY, AND VERSATILE

- **SAFE TIPPING SYSTEM** - bins are lifted vertically then rolled forward, giving greatly improved safety and stability.
- **ANY BIN** – the dumpmaster® can empty any standard bins - 60, 80, 120, 140, 240, 360, 660, 1100 litre wheelie bins, Drums, Nally bins, Brute bins, or many other custom bins.
- **HUGE WEIGHT CAPACITY** – a standard dumpmaster® has 250kg capacity, and can be specified to take 300kg. If that's not enough, the MegaDumper® has 750kg capacity.
- **ANY HEIGHT** – Standard dumpmasters® come with a 700, 1200, 1500, or 1800 tipping height, but can be custom-built at up to 6 metres.
- **ANY POWER SOURCE** – dumpmasters® are available with battery power, 1-phase, 3-phase, or compressed-air power.
- **EASY TO USE** – Simply open the door, wheel the bin onto the cradle (no clamping required) and close the door. Press the *Raise* button to lift and empty the bin, and the *down* one to lower it. Open the door and remove the bin. It's that easy!
- **EASY TO MOVE** – dumpmasters® have 4 x 100mm industrial-duty castors for maximum manoeuvrability.

RUGGED AND RELIABLE

Many dumpmasters® have been used outside for more than 15 years, with little or no maintenance.

- **FULLY HOT-DIP GALVANISED MAIN FRAME** – the entire main frame on standard dumpmasters® is fully hot-dip galvanised, and all other components are zinc-plated, pre-galvanised, or powder-coated.
- **WEATHER-PROOF** – dumpmasters® can be used and stored outside, or washed down regularly if used in hygienic areas.
- **NO REGULAR MAINTENANCE** – dumpmasters® require little or no regular maintenance. Battery machines have a sealed gel battery, and only require charging. Other than that, just keep it clean and spray a little lubricant in the masts and on a couple of rollers.

SAFE BY DESIGN

Dumpmasters® have many features designed to ensure operator safety.

- **FULLY CAGE GUARDING** – standard dumpmasters® have full-cage mesh guarding, and sheet metal filler panels in front of the operator.
- **SAFE CRADLE LOWERING** – The cradle on dumpmasters® comes down by gravity alone, and a special lowering valve regulates the speed regardless of the weight of the bin.
- **DOOR INTERLOCK SYSTEM** – The machine cannot operate unless the door is shut.
- **HYDRAULIC ACTION** – dumpmasters® have a hydraulic power pack driving a ram and 2 lifting chains. A pressure relief valve prevents overloading.
- **ADDITIONAL GUARDING OPTIONS** – dumpmasters® can be fitted with a range of additional guards. A swing-up locking door can be supplied instead of the standard side-hinged door, and the whole machine can be supplied to a Cat3 safety level.

IT'S ALL CUSTOMISABLE ANYWAY

Simpro has the flexibility, expertise, and experience to supply customised solutions. With in-house CAD we can supply detailed drawings to show how the dumpmaster® will integrate with other equipment and structures. Whether you need a stainless-steel machine for a food manufacturing plant, a way to empty drums of product into a hopper 5m high, or a way to empty bins onto a conveyor or into a shredder or compactor, a dumpmaster® is an ideal solution.

Options and accessories for the dumpmaster

AS/NZ STANDARDS AND CE COMPLIANCE

The Simpro range can be specified to meet Category 3 Standards and CE regulations. This does involve extra costs on the standard range.

STAINLESS-STEEL CONSTRUCTION

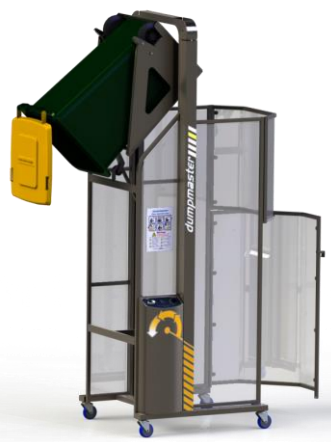
Simpro bin lifters are available either partially or completely constructed from stainless-steel.

AUTO-CYCLE OPTION

Is available for mains-powered Dumpmasters to enable operators to leave the machine to complete the cycle unattended.

PET-G GUARDING

PET-G guarding panels are available in place of the standard wire mesh guards.



DOOR-END CONTROLS

The controls can be mounted at the 'door end' of the machine so the operator is well away from the product as it empties.



SOLAR PANEL

Machines that are used outside can be fitted with a solar panel. Depending on the amount of direct sunlight available, up to 2 tonnes per day can be emptied using solar power alone.



OPERATOR GUARD

Is available to protect the operator from glass or chemical splashes.



Options and accessories for the dumpmaster

FRONT PANEL

A guard panel for the front of Dumpmaster to prevent operators reaching through to the tipping track is now standard on all new machines.



SWING-UP LOCKING DOOR

A swing up door supported by gas struts may be fitted instead of the standard side-hinged door. Comes with a Solenoid lock.



BIN HOOKS

Attach to most Dumpmasters, for securing the tipper to a bin or skip.



FRAME-MOUNTED CHUTES

Two standard frame-mounted chutes are available for situations where the dumpmaster® cannot go right up against the skip, bin, or hopper. Note that the tipping height generally needs to be increased to allow for the slope of the chute. The chutes attach easily with two bolts, and can be folded up out of the way when not in use.

Custom chutes are also available.

FOOT GUARDS

Foot guard pressings are available for most Dumpmasters to prevent operators' feet going under the machine frame.



LEFT-HINGED DOOR

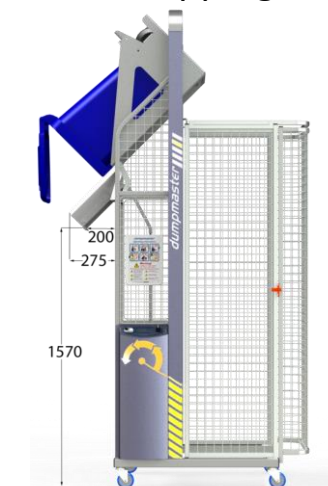
The door on standard machines is hinged on the right-hand side. Left-hinged doors are available if specified at the time of ordering.

CORROSION-RESISTANT LIFTING CHAINS

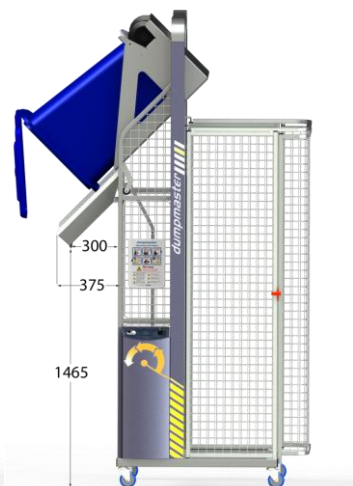
If the Dumpmaster is to be used in a corrosive environment, nickel-plated chains can be supplied. These offer a similar level of corrosion-resistance to stainless-steel while retaining the strength of standard chains.

SCALES

Platform scales can be provided to fit under the cradle to enable product to be weighed before tipping.



DM1800 with 200mm chute & 120L bin



DM1800 with 300mm chute & 240L bin

The dumpmaster® family

 Same Footprint



Dumpmasters are available in 4 standard tipping heights (700, 1200, 1500, & 1800mm) but can be custom-built with any tipping height up to 6 metres.

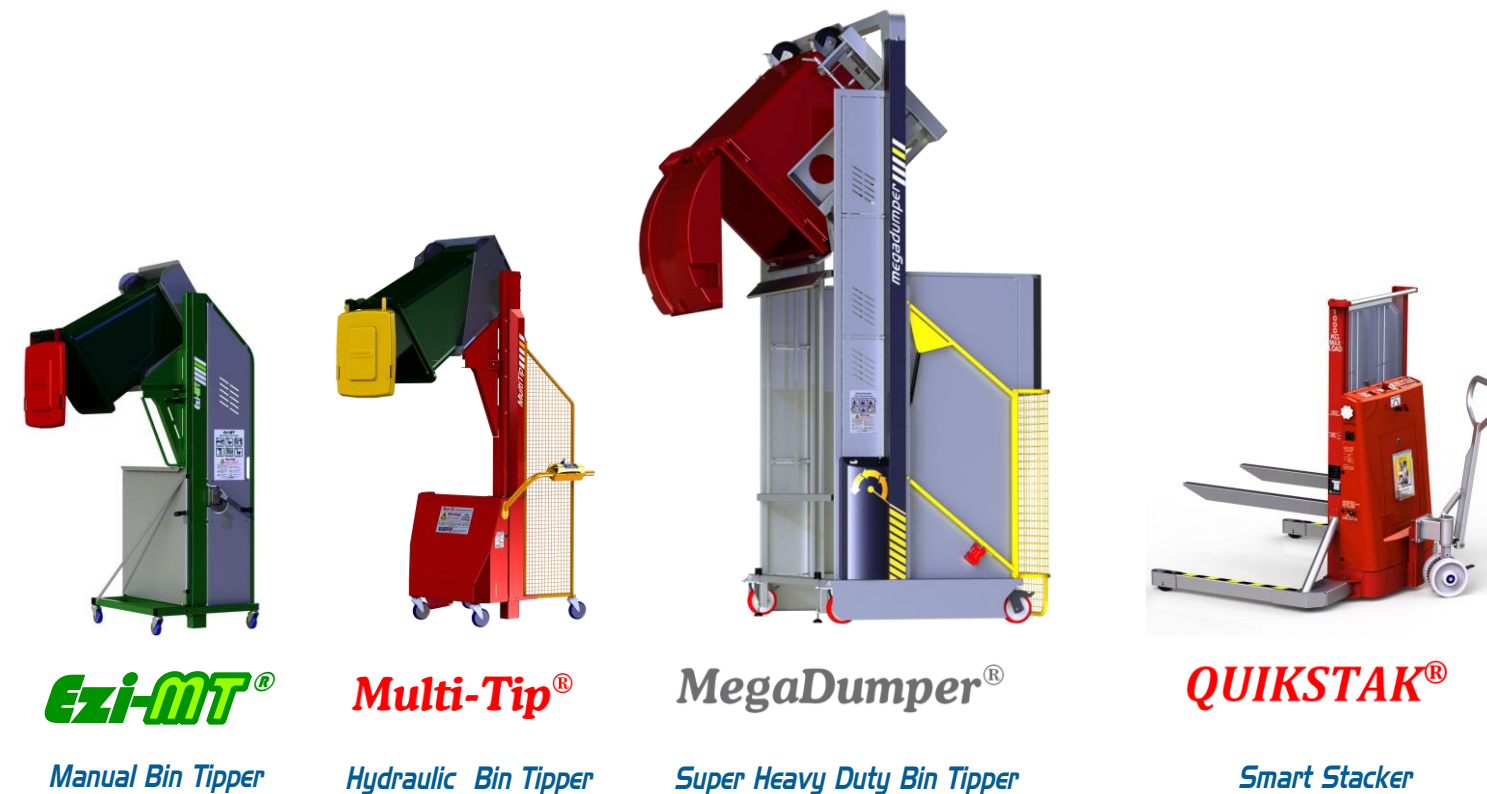
Cradles are available for most common bins and drums.

dumpmaster® technical specifications

Standard Dimensions				
dumpmaster®	Tipping height	Width	Length	Height
	700	950	1150	1765
	1200			2265
	1500			2565
	1800			2865
T	950	1150	T+1065mm	
Electrical Specifications				
Motor Type	Supply Voltage	Power	Current Draw	Control Voltage
1-phase	200 – 240Vac	1.1kW	6.5 Amps	24Vac
3-phase	400 - 430Vac	0.75kW	1.9 Amps	24Vac
Battery	12Vdc	0.80kW	125 Amps	12Vdc
<p>Dumpmasters can be powered by 1-phase, 3-phase, battery, (or even compressed-air). In all cases, the power supply runs a motor, which in turn drives a hydraulic pump. The lifting pressure and speed are accurately controlled, resulting in a safe, smooth operation.</p> <p>IP Rating: The Raise/Lower, key switch, and Emergency Stop switches are rated to IP66. Motors are rated to IP54 but are mounted inside a steel cover which provides additional protection.</p> <p>Castors: 4 x 100mm swivel castors with 'Blue Resilex' wheels (2 with brake)</p> <p>Hydraulic:</p> <ul style="list-style-type: none"> ➤ Pressure-compensating valve to regulate lowering speed ➤ Pressure-relief valve to limit lifting capacity. 				



Also available from Simpro:



Dumpmaster® wheelie-bin tipper is the ultimate solution to empty bins and drums weighing up to 300kg at virtually any height. The tipping action of a **Dumpmaster®** is one of the safest, most efficient, and easiest to use systems in the world.

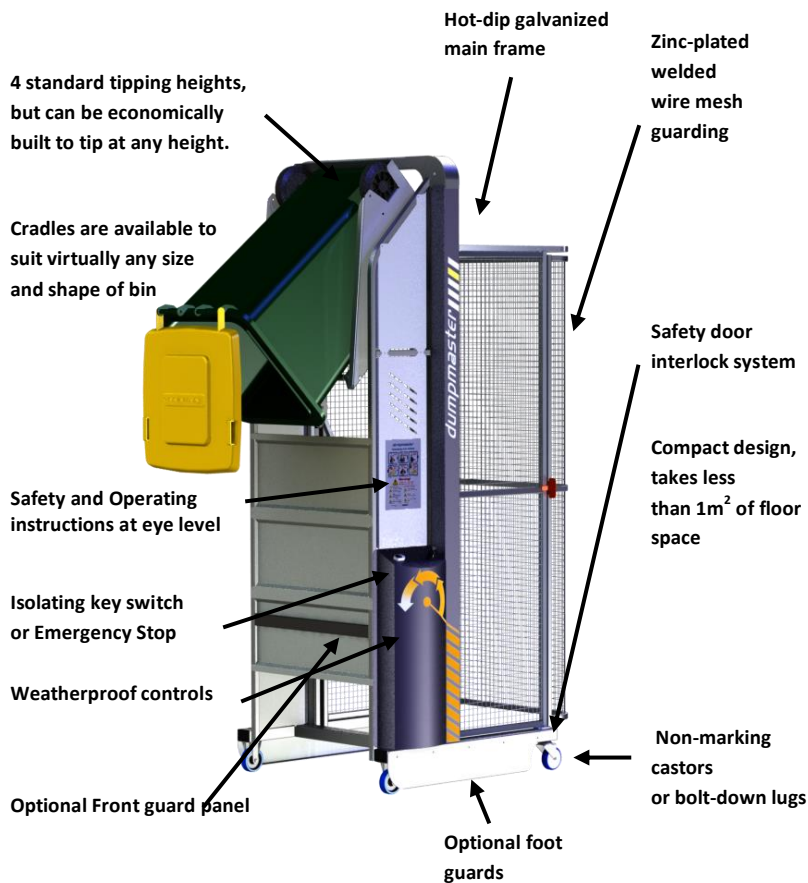
The **Dumpmaster®** is the workhorse of the Simpro range and has been widely used in Australasia for the past 25 years.

The unique, safe tipping action keeps bin weight within footprint.

The **Dumpmaster®** is the original bin tipping solution manufactured by **Simpro Handling Equipment** - the home of the **Multi-Tip®** and **Ezi-MT®** bin tipper.



View the video here
www.simpro.net.nz/dumpmaster



- 
Mains Power
- 
Compressed Air
- 
Battery Power
- 
Solar Power

- ✓ **Safe**
- ✓ **Economical**
- ✓ **Reliable**
- ✓ **Efficient**
- ✓ **Easy - to - Use**



SPECIFICATIONS

- ✓ Up to 300kg capacity
- ✓ Standard tip heights from 700mm to 1.8m but can be built economically to any height
- ✓ Custom cradles available to suit other bins and drums
- ✓ Dumpmasters are available with 1-phase, 3-phase, air or battery power packs. Battery-powered tipper have a sealed battery and an industrial-quality 'float' charger built in
- ✓ Suits popular bin sizes 80L, 120L, 140L and 240L, with no adjustment
- ✓ Custom cradles available to suit other bins and drums
- ✓ 100mm castors, 2 with brakes
- ✓ Industrial Grade Galvanised Frame
- ✓ Indoor or outdoor use



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