

EMOVEIT

1300 213 010



MegaDumper®

HYDRAULIC SUPER HEAVY DUTY BIN TIPPER

Tip Bins Weighing up to 750kg at virtually any height

Machine Shown = MD750E-1500.3C



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KEY BENEFITS OF A MEGADUMPER®

SAFE, EASY, AND VERSATILE

- **SAFE TIPPING SYSTEM** - bins are lifted vertically then rolled forward, giving greatly improved safety and stability.
- **ANY BIN** – the MegaDumper® 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 MegaDumper® has 4 options, from 300kg, 450kg, 600kg and 750kg capacity.
- **ANY HEIGHT** – MegaDumpers® can be custom-built to suit any tip height up to 6m.
- **ANY POWER SOURCE** – MegaDumpers® are normally supplied with a 3-phase power pack, but 1-phase, battery or even compressed-air power packs are available.
- **EASY TO USE** – Simply open the door, place 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!

RUGGED AND RELIABLE

Many MegaDumpers® have been used continuously in harsh environments for more than 15 years, with little or no maintenance.

- **FULLY HOT-DIP GALVANISED MAIN FRAME** – the entire main frame, cradle and guarding on standard MegaDumpers® is fully hot-dip galvanised, and all other components are zinc-plated, pre-galvanised, or powder-coated. Stainless Steel models are available for corrosive environments.
- **WEATHER-PROOF** – MegaDumpers® may be used and stored outside, or washed down regularly if used in hygienic areas.
- **MINIMAL MAINTENANCE** – MegaDumpers® require very little regular maintenance.
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SAFE BY DESIGN

MegaDumpers® have many features designed to ensure operator safety.

- **'FULLY CAGE' GUARDING** – standard MegaDumpers® are fully enclosed other than the face where product is tipped out.
- **SAFE CRADLE LOWERING** – The cradle on MegaDumpers® 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 and locked.
- **CRADLE INTERLOCK SYSTEM** – The door cannot open unless the cradle is on the ground.
- **HYDRAULIC ACTION** – MegaDumpers® have a hydraulic power pack driving a ram and 2 lifting chains. A pressure relief valve prevents overloading.
- **ADDITIONAL GUARDING OPTIONS** – MegaDumpers® can be fitted with a range of additional guards.

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 MegaDumper® 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 MegaDumper® is an ideal solution.

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Options and accessories for the MegaDumper®

AS/NZ 4024 AND/OR CE COMPLIANCE

The Simpro range can be specified to meet AS/NZ 4024 up to PLe (CAT4) and or CE regulations. This may involve extra costs on the standard range.



FRONT PANEL

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



STAINLESS-STEEL CONSTRUCTION

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



FRAME-MOUNTED CHUTES

Frame-mounted chutes are available for situations where the MegaDumper® 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.

AUTO-CYCLE OPTION

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

CORROSION-RESISTANT LIFTING CHAINS

If the MegaDumper® 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.

PET-G GUARDING

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



OPERATOR GUARD

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



Bins that a custom MegaDumper® can empty:

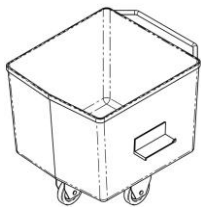
Rectangular Nally Bins

Also known as Dolav Bin or Mega Bins. Usual sizes are either 1200x1000, or 1200x1200 by 750 high.

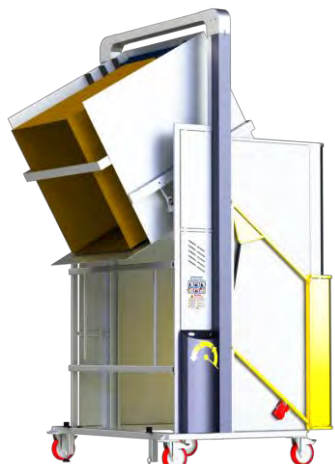


Custom Bowls or Kettles for the Food Industry

- EuroBins
- Large Round Stainless Bowls



Boxes of fruit or other material





Custom bins



MegaDumper® technical specifications

Standard Options

Standard Dimensions					
<div>MegaDumper®  (A&B Type Cradles)</div>	Tipping height	Width	Length	Height	
				<300KG Frame	>450KG Frame
	1200	1900	1350	2850	2935
	1500			3150	3235
	1800			3450	3535
Tip Height (T)			T+1650mm	T+1735mm	
<div>MegaDumper®  (C- E Type Cradles)</div>	1200	1900	1600	2945	3045
	1500			3245	3345
	1800			3545	3645
	Tip Height (T)			T+1745mm	T+1845mm
	Electrical Specifications				
Motor Type	Supply Voltage	Power	Current Draw	Control Voltage	
1-phase	Utilises a 3phase motor and VSD			24VDC	
3-phase	400 - 430Vac	0.75kW	1.9 Amps	24VDC	
Battery	24VDC	0.80kW	60 Amps	12VDC	
Air	N/A – Air machines have no electrically operated components				
<p>MegaDumpers 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: up to 300kg models = 4 x 100mm swivel castors with ‘Blue Resilex’ wheels (2 with brake) 450kg + models = 4 x 200mm swivel castors (2 braked) with separate adjustable support feet.</p>					
<p>Doors: Gas strut assisted, lift up door with electrical interlock that prevents the machine from operating with the door open. A cradle position sensor prevents the door from being opened while the cradle is in the raised position.</p>					
<p>Hydraulic:</p> <ul style="list-style-type: none">➤ Pressure-compensating valve to regulate lowering speed➤ Pressure-relief valve to limit lifting capacity➤ ‘Hose-burst’ valve fitted to ram port➤ Separate, adjustable lowering speed control valve					

Attribute	Options	
Weight Capacity	250kg*, 450kg, 600kg, 750kg	
Cradle Types ** = most common	A	660L only
	B**	660L and 2x 240L
	C	1100L Only
	D	1100L and 660L
	E**	1100L and 660L and 2x 240L
	MB1	MegaBin 1000x1200x750
	MB2	MegaBin 1200x1200x750
Tipping Height	Made to order from 800mm to 6m+	
Power Source	Battery, 1phase, 3phase, Air	
Feet/Mounting	C	Castors
	N	Bolt down lugs

*250kg machines can be upgraded to 300kg if required at time of ordering.

CODING CONVENTION FOR MegaDumpers®

A typical product code would be...MD450B-1500.3.C

Breaking it down...					
MD	450	B	1500	3	C
Product Type	Weight Capacity	Cradle Type	Tipping Height	Power Source	Feet
MegaDumper	250KG	B	1500mm	3-Phase	Castors

Also available from Simpro:



Ezi-MT®

Manual Bin Tipper



Multi-Tip®

Hydraulic Bin Tipper



dumpmaster®

Hydraulic Bin Tipper



QUIKSTAK®

Smart Stack

MegaDumper® bin tippers provide a solution for emptying larger bins weighing up to 750kg. **MegaDumpers®** are based on the proven tipping action of the **Dumpmaster®** and represent one of the safest, most efficient, and easiest to use bin emptying solutions in the world.

The **MegaDumper®** is the heaviest-duty of the Simpro range and has been widely used in Australasia for the past 15 years.

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

The **MegaDumper®** is manufactured by **Simpro Handling Equipment** - the home of the **Dumpmaster®**, **Multi-Tip®** and **Ezi-MT®** bin tippers.

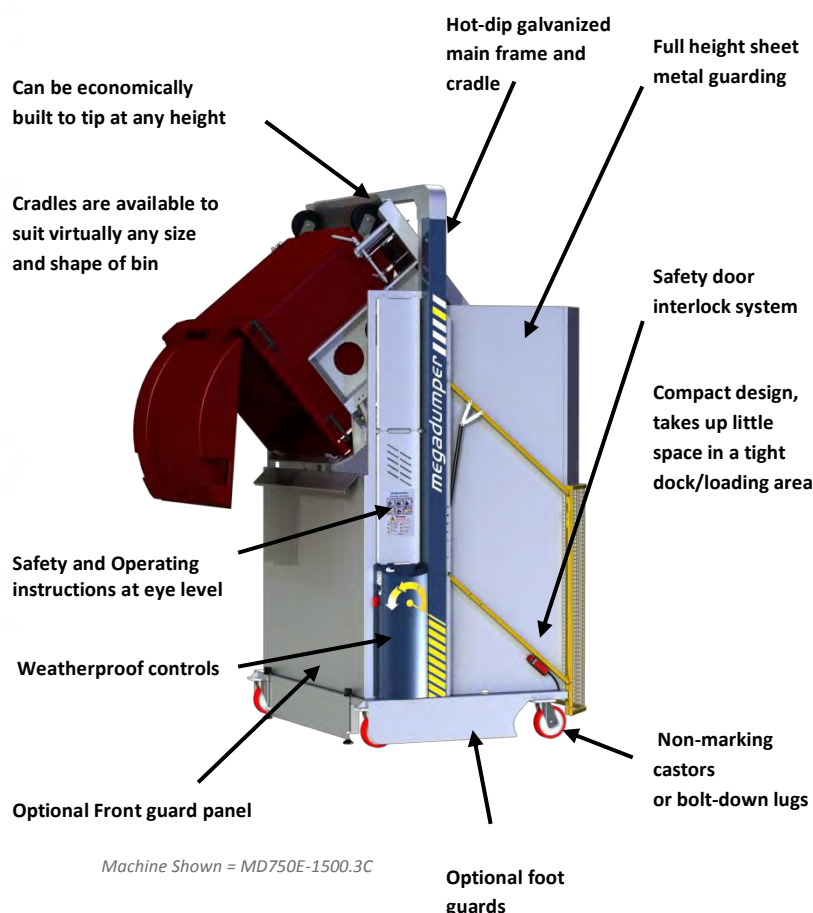
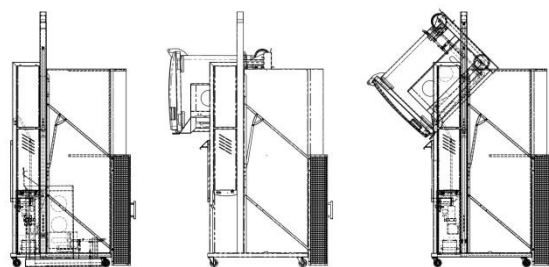
✓ **Safe**

✓ **Economical**

✓ **Reliable**

✓ **Efficient**

✓ **Easy - to - Use**



SPECIFICATIONS

- ✓ Up to 750kg capacity
- ✓ Standard tip heights from 1.2m to 1.8m but can be built economically to any height
- ✓ Standard machine are built to suit either 660 or 1100L wheelie bins. Custom cradles available to suit other bins and drums
- ✓ MegaDumpers® are available with 1-phase, 3-phase, air or battery power packs. Battery-powered tippers have a sealed battery and an industrial-quality 'float' charger built in
- ✓ On either bolt down lugs or four castors, 2 with brakes
- ✓ Industrial grade galvanised frame
- ✓ Suitable for indoor or outdoor use



Mains Power



Compressed Air



Battery Power



Solar Power

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