



WE LIFT. YOU DUMP.®

Solutions for Handling Waste, Recycling & More

 (314) 696-0200  SOLUSGRP.COM



HYDRAULIC BIN DUMPER

EFFICIENT MULTI-TIP®

The Multi-Tip is everything a bin dumper should be — ergonomic, reliable, cost-effective, efficient, and easy to use. The single-mast design gives the operator an unimpeded view of operations for improved safety.



The Multi-Tip® Bin Dumper is perfect for schools, factories, offices, recycling centers, and more. It takes the strain out of emptying bins, making it safe and easy. The unique, safe tipping action keeps bin weight centered, ensuring stability, while the two-hand control system prevents access to moving parts during operation.

The unique single-mast design gives the user a clear view of the cart and cradle throughout the 15-second tipping cycle. The standard cradle lifts most common two-wheeled waste carts. However, a range of custom cradles are available, allowing the machine to empty nearly any commercial container, at weights up to 330 pounds (150 kilograms).

The open design greatly simplifies the tasks of cleaning and maintenance. However, like the entire line of Bin Dumpers, the Multi-Tip is extremely robust and requires no regular maintenance.

330 LB
CAPACITY

47"–71"
TIP HEIGHT

15 SEC
TIP CYCLE

BATTERY/SOLAR
POWER SUPPLY

5.5K LB/CHARGE
DUTY CYCLE



FEATURES:

- 330 lb (150 kg) safe lifting capacity
- Available with 47", 63", or 71" tipping heights (1200 mm, 1600 mm, to 1800 mm)
- Standard cradle suits popular trash carts from 24 to 96 gallon (90 to 360 L)
- Option of battery or solar power supply
- Duty cycle: 5,500 lb (2500 kg) of material per charge or 2,200 lb (1000 kg) per hour on continuous charge
- Sealed battery and built-in industrial quality 'float' charger
- Powerful and reliable hydraulic mechanism
- Custom cradles available to suit other bins, drums, and commercial containers
- Empties bins in 15 seconds
- Durable powder coat frame with galvanized components for indoor or outdoor use
- Lockout key and two-hand controls for safety
- Weight of bin stays within machine footprint throughout tipping cycle for stability
- Four 5" (125 mm) 125D casters, two with brakes
- Integrated fork pockets

See pages 13-15 for available options.

Cradles available to suit almost any size or shape of bin

Optional solar panel kit allows off-grid operation

Suitable for indoor or outdoor use

Weight of bin stays within machine footprint throughout tipping cycle

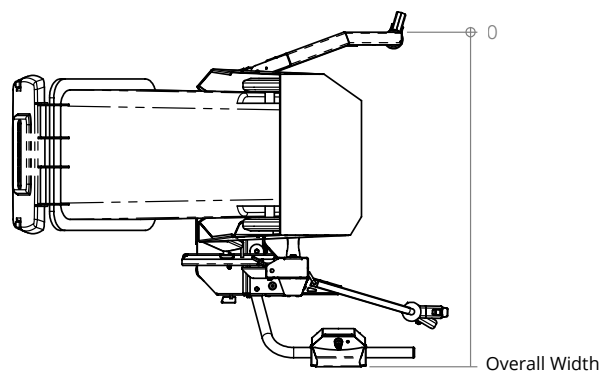
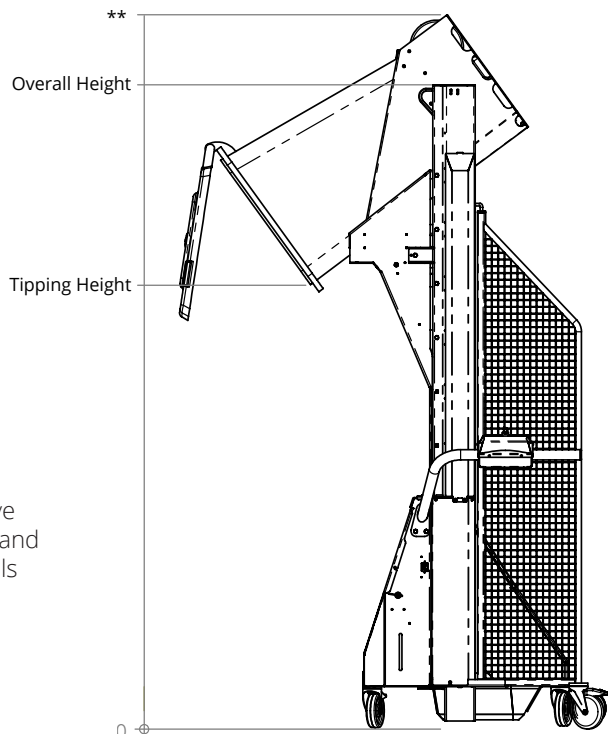
Designed for safety from the ground up

Integrated Fork pockets

Heavy-duty casters, two with brakes

Intuitive dual-hand controls

Onboard 1-phase smartcharger



NOTE: These generic drawings are for reference purposes only

MODEL	TIP HEIGHT	CAPACITY	POWER SOURCE	OVERALL LENGTH	OVERALL WIDTH	OVERALL HEIGHT**	WEIGHT	IP RATING	SAFETY RATING
MT1200	47" (1200 mm)	330 lb (150 kg)	Battery *	35" (879 mm)	49" (1237 mm)	78" (1983 mm)	≈ 309 lb (≈ 140 kg)	IP56	CAT1/PLC
MT1600	63" (1600 mm)					94" (2383 mm)	≈ 353 lb (≈ 160 kg)		
MT1800	71" (1800 mm)					102" (2583 mm)	≈ 397 lb (≈ 180 kg)		

* Battery powerpack, 24v 20Ah GEL with 24v DC control voltage; includes industrial quality 'float' charger.

** Overall Height measurements shown for the bin dumper. Overall height with a bin tipped will vary depending on the bin used and how the bin is tipped.

Note: Unit is also able to dump into compactors and precrushers; suitable for compactors over 47" (1200 mm).

HYDRAULIC BIN DUMPER

SAFETY-BOOSTING DUMPMASTER®

The Dumpmaster was the very first mobile bin-tipping machine on the market. It has continuously improved for over thirty years, making it one of the world's safest, most efficient, and easiest-to-use bin dumping systems for dozens of applications, from emptying trash bins into dumpsters to pouring food ingredients into mixers.



The Dumpmaster® safely empties any bin at any height, with a unique electro-hydraulic mechanism that can lift and tip more than 550 pounds (250 kilograms). The unique tipping action lifts the bin straight up, then gently rolls it upside down over the lip of the receptacle. Its space-saving design requires less than eleven square feet of floor space, regardless of tipping height, since the bin's weight is always within the machine's footprint. The design also prioritizes safety, with full guarding and dual interlock systems fitted as standard and optional certifications to various safety standards if required. No matter how it is used, the Dumpmaster has proven to be safe, reliable, and economical to operate year after year.

550 LB
CAPACITY

27.5"–106"
TIP HEIGHT

BATTERY/SOLAR/3-PHASE
POWER SUPPLY

22K LB/CHARGE
DUTY CYCLE



FEATURES:

- 550 lb (250 kg) lifting capacity
- Standard tip heights from 27.5" to 106" (700 mm to 2700 mm), but can be built at any height up to 236" (6000 mm)
- Standard cradle lifts most 24–96 gallon (90 L–360 L) bins without clamping
- Custom cradles available to suit other bins and drums
- Option of battery, solar, or 3-phase, power
- Powerful, reliable electro-hydraulic system
- Four 4" (100 mm) casters for easy movement, two with brakes for stability
- Industrial grade hot-dip galvanized steel frame and cradle with zinc-plated wire mesh guarding
- Safety door with solenoid-operated electrical safety interlock
- Weather-tight control panel with key switch and digital battery indicator
- Suitable for indoor or outdoor use

See pages 13-15 for available options.



MODEL	TIP HEIGHT	CAPACITY	POWER SOURCE	OVERALL LENGTH	OVERALL WIDTH	OVERALL HEIGHT	WEIGHT	IP RATING	SAFETY RATING
DM0700**	27.5" (700 mm)	550 lb* (250 kg)*	Battery† 3-Phase‡	46" (1175 mm)	38" (965 mm)	69" (1760 mm)	≈ 353 lb (≈160 kg)	IP56*	CAT1/PLC*
DM1500	59" (1500 mm)					101" (2560 mm)	≈ 463 lb (≈210 kg)		
DM1800	71" (1800 mm)					112.5" (2860 mm)	≈ 485 lb (≈220 kg)		
DM2100	83" (2100 mm)					124" (3160 mm)	≈ 573 lb (≈260 kg)		
DM2400	94.5" (2400 mm)					136" (3460 mm)	≈ 617 lb (≈ 280 kg)		
DM2700	106" (2700 mm)					148" (3760 mm)	≈ 661 lb (≈ 300 kg)		
Custom	Don't see what you're looking for? Contact sales@solusgrp.com to discuss customization.								

* Upgradable Specification

** The DM0700 model is normally specified as the Dockmaster, optimised for emptying bins from elevated loading docks and platforms, see next page for details.

† Battery powerpack, 24V/20Ah GEL (3hr charge on 100-264VAC 1-ph 50/60Hz ≤3A); unit includes sealed battery and industrial quality 'float' charger.

‡ 3-Phase Mains powerpack, ≈ 415VAC 3-ph 50/60Hz ≤3.6A



LOADING DOCK BIN DUMPER

RELIABLE DOCKMASTER

With an **ultra-low tipping height** and **safety bars**, the Dockmaster was designed with a specific task in mind — safely tipping bins and drums **from a raised dock or platform**.

The Dockmaster is a variation of the proven Dumpmaster with specialized features for **safely tipping bins and drums** from a raised loading dock. In many operations this is currently done by hand, which is difficult, slow and dangerous. The Dockmaster completes the process in **seconds** and is fully compliant with stringent new safety requirements.

The tipping mechanism inverts bins as **low to the ground** as possible, at just 27.5 inches (700 millimeters), while still keeping the weight within the footprint of the machine. To allow operating near platform edges, the Dockmaster is **fitted with safety feet**, just behind the wheels. These catch the machine if it is rolled over the edge, instantly preventing further movement.

The Dockmaster is built to the same **rugged specifications** as other bin dumpers including the **steel frame powerpack** and **control system**. It will effortlessly tip most types of wheelie bins at weights up to 550 pounds (250 kilograms), and is designed to withstand many years of operation **indoors or outdoors**.

550 LB

CAPACITY

27.5"

TIP HEIGHT

BATTERY/SOLAR/3-PHASE

POWER SUPPLY

22K LB/CHARGE

DUTY CYCLE



FEATURES:

- 550 lb (250 kg) lifting capacity
- Ultra-low 27.5" (700 mm) tipping height designed for safe operation on raised loading docks or platforms
- Safety bars prevent machine from being rolled over the edge of the dock or platform
- Standard cradle lifts most 24–96 gallon (90 L–360 L) bins without clamping
- Custom cradles available to suit other bins and drums
- Option of battery, solar, or 3-phase, power
- Powerful, reliable electro-hydraulic system
- Four 4" (100 mm) casters for easy movement, two with brakes for stability
- Industrial grade hot-dip galvanized steel frame and cradle with zinc-plated wire mesh guarding
- Safety door with solenoid-operated electrical safety interlock
- Weather-tight control panel with key switch and digital battery indicator
- Suitable for indoor or outdoor use
- Floor footprint of less than 11 ft² (1 m²)
- Virtually maintenance-free

See pages 13-15 for available options.



MODEL	TIP HEIGHT	CAPACITY	POWER SOURCE*	OVERALL LENGTH	OVERALL WIDTH	OVERALL HEIGHT	WEIGHT	IP RATING	SAFETY RATING
DM0700	27.5" (700 mm)	550 lb* (250 kg)	Battery†, 3-Phase‡	46" (1175 mm)	38" (965 mm)	69" (1760 mm)	≈ 353 lb (≈160 kg)	IP56*	CAT1/PLC*

* Upgradable Specification

† Battery powerpack, 24V/20Ah GEL (3hr charge on 100-264VAC 1-ph 50/60Hz ≤3A); unit includes sealed battery and industrial quality 'float' charger.

‡ 3-Phase Mains powerpack, ≈ 415VAC 3-ph 50/60Hz ≤3.6A

ULTRA-LOW TIP HEIGHT
DESIGNED FOR
LOADING DOCKS





INDUSTRIAL BIN DUMPER

HEAVY-DUTY MEGADUMPER®

The MegaDumper is one of the safest and most reliable **industrial bin dumpers**. Perfect for dumping waste, mixing ingredients or chemicals and much more.

The MegaDumper® was designed for emptying 174 gallon and 290 gallon (660 Liter and 1100 Liter) bins weighing up to 1,323 pounds (600 kilograms), but can be **customized to tip almost any container**, at heights beyond 33 feet (10 meters).

Floor space requirements do not change regardless of tipping height, since the weight of the bin remains within the machine footprint at all times. As with the entire line of Bin Dumpers, 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. The machine can be optionally certified to various safety standards.

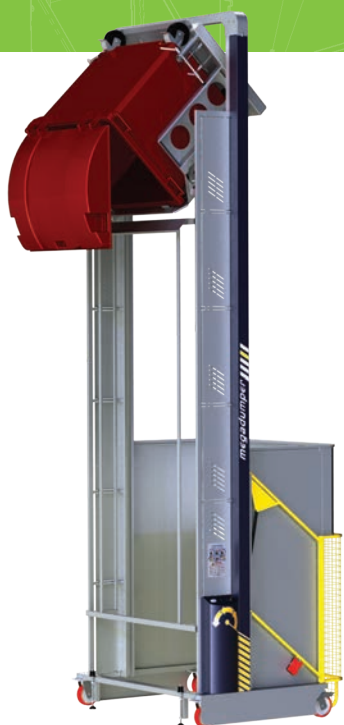
Since its introduction in 1998 the MegaDumper has proven to be **remarkably reliable** in even the most demanding of environments. Some operators have now used the MegaDumper as an integral part of their production workflow for two decades, with little regular maintenance.

1,323 LB
CAPACITY

47"-33'
TIP HEIGHT

BATTERY/SOLAR/3-PHASE
POWER SUPPLY

35K LB/CHARGE
DUTY CYCLE



FEATURES:

- 1,323 lb (600 kg) lifting capacity
- Standard tipping heights from 47" to over 33' (1200 mm - 6000 mm) with custom available
- Cradles available to suit most industrial containers; custom cradles upon request.
- Option of battery, 3-phase, or solar power
- Battery-powered units have a sealed battery and a built-in 'float' charger.
- Super heavy-duty electro-hydraulic system
- Weight of bin stays within machine footprint throughout tipping cycle to ensure stability
- Simple controls with IP66 ingress protection
- Full height sheet metal guarding
- Four 8" (200 mm) casters (two with brakes) for mobility or can be bolted in place via optional bolt-down lugs
- Industrial grade hot-dip galvanized steel
- Suitable for indoor or outdoor use
- Guarding includes a swing-up door with solenoid operated door lock, preventing all access to moving parts while machine is in operation. Machine is also immobilized while door is open.
- Weather-tight control panel with key switch and digital battery indicator
- Compact design with small floor footprint

See pages 13-15 for available options.

MODELS:

For models and customization please contact Solus Group.



**CUSTOMIZE YOUR MEGADUMPER
FOR ANY INDUSTRY
OR APPLICATION**

HAND-WINCH BIN DUMPER

BATTERY FREE EZI-MT®

The **economically priced** Ezi-MT® takes the strain out of emptying bins, making it a **safe and easy operation**.



Designed for **low volume, light-duty applications**, the Ezi-MT® Manual Bin Dumper is perfect for small businesses, schools, cafes, offices and local councils. The **innovative hand-cranked design** allows full workplace safety compliance, without expensive hydraulic machinery. The Ezi-MT is also very robust, and can be used outdoors for many years with little or no maintenance.

The Ezi-MT lifts most common carts and totes weighing up to 143 pounds (65 kilograms), and empties them at a height of five feet. Workplace safety is becoming ever more important, and the Ezi-MT means there is **no longer any excuse** for emptying your waste carts by hand.

143 LB
CAPACITY

59"
TIP HEIGHT

16 - 64 GAL
BIN CRADLE

MANUAL
POWER SUPPLY

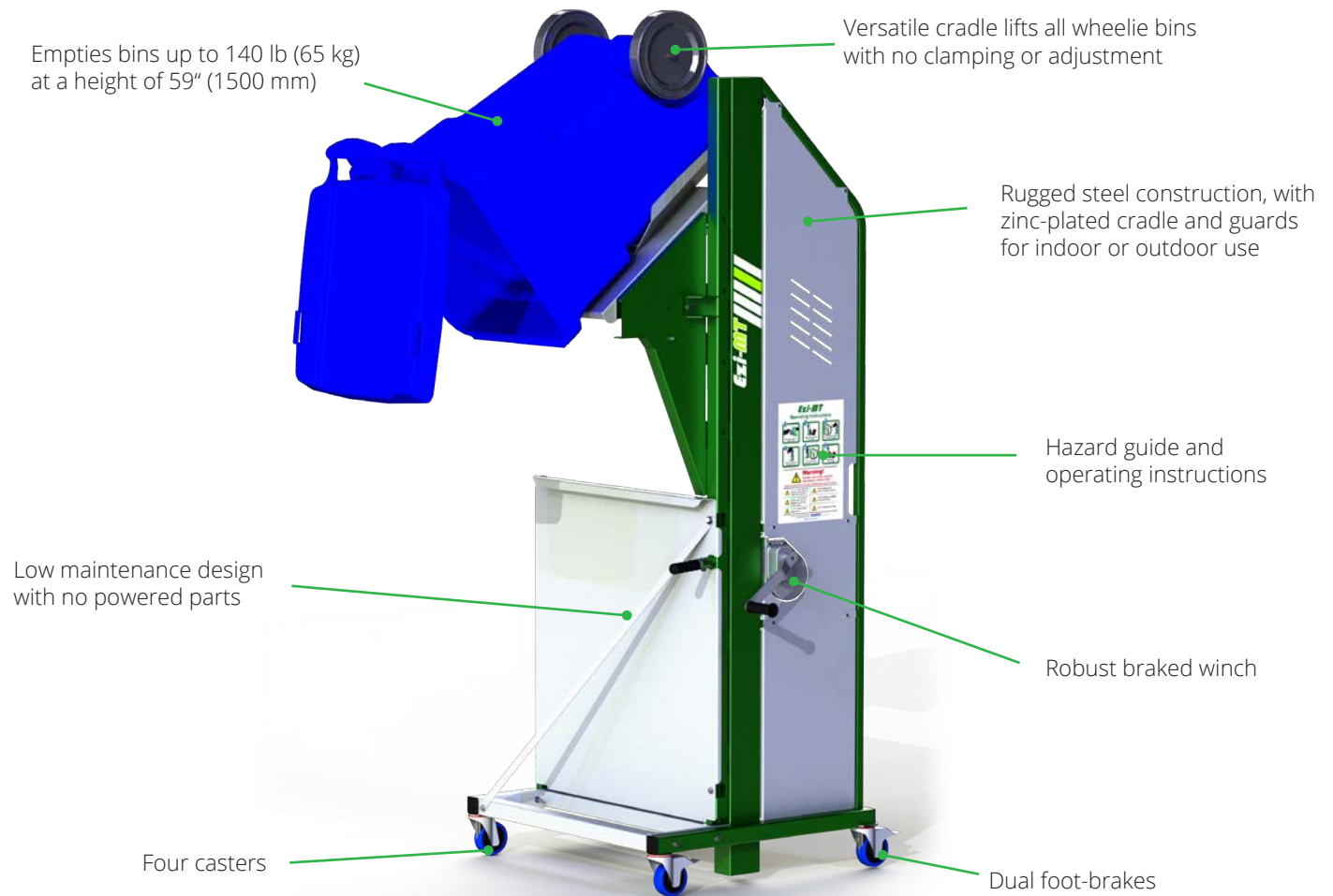
90 SECOND
TIPPING CYCLE



FEATURES:

- Heavy-duty winch-operated
- 143 lb (65 kg) safe lifting capacity
- 59" (1500 mm) bin tipping height
- Standard cradle lifts most 16-64 gal (60-240 L) totes without clamping
- Weight of bin stays within machine footprint throughout tipping cycle to ensure stability
- No electrical or hydraulic parts to service
- 4" (100 mm) casters for easy movement, two with brakes
- Rugged steel construction, powder-coated frame, and zinc-plated cradle and guards
- Environmentally friendly, using 50% less steel than competing products, generates no electronic waste, & is fully recyclable
- Suitable for indoor or outdoor use

See pages 13-15 for available options.



MODEL	TIP HEIGHT	CAPACITY	POWER SOURCE	OVERALL HEIGHT*	OVERALL LENGTH	OVERALL WIDTH	WEIGHT	IP RATING	SAFETY RATING
EZI-MT1500	59" (1500 mm)	143 lb (65 kg)	Manual Winch	91" (2302 mm)	37" (924 mm)	36" (907 mm)	242.5 lb (110 kg)	IP66	CAT2/PLC

* Overall Height measurements shown for the bin dumper. Overall height with a bin tipped will vary depending on the bin used and how the bin is tipped.

**THE ERGONOMIC WAY TO MANUALLY
EMPTY BINS INTO
DUMPSTERS**



OPTIONS FOR EVERY APPLICATION

CUSTOMIZE YOUR BIN DUMPER

Also called trash can dumpers, box dumpers, bin tipplers, garbage can dumpers, or tote tipplers, bin dumpers offer an ergonomic solution to tasks like **dumping waste** or trash, **mixing ingredients or chemicals**, **disposing of medical waste**, and much more. Customize your bin dumper to your application to maximize efficiency.



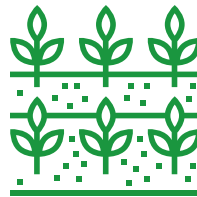
THERE'S A DUMPER FOR NEARLY ANY INDUSTRY



EVENTS



FOOD PROCESSING



AGRICULTURE



RECYCLING



EDUCATION



STADIUMS



WINE MAKING

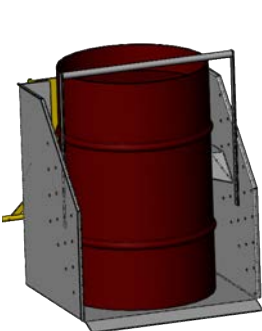
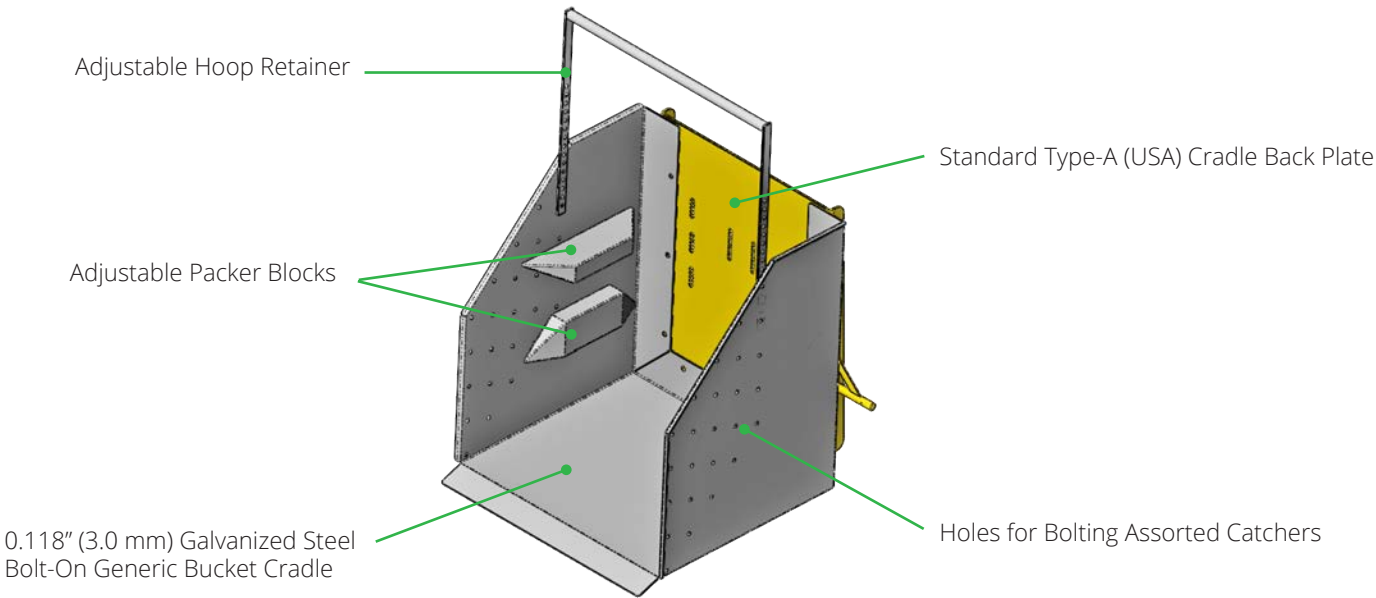


COMPOSTING

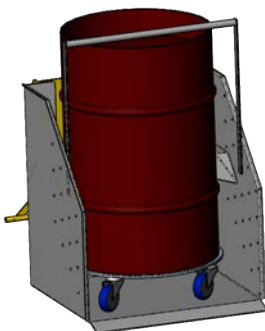
AND OPTIONS FOR MANY APPLICATIONS

READ ON TO LEARN MORE, SEE PG. 15 FOR MODEL COMPATIBILITY

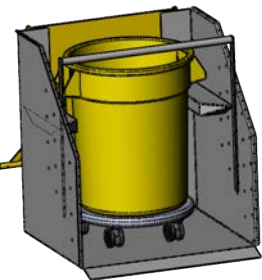
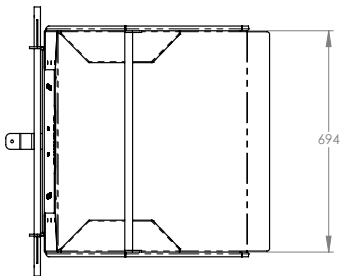
BIN DUMPER OPTIONS: STEEL BUCKET CRADLE



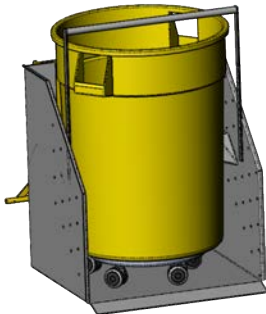
STANDARD STEEL DRUM



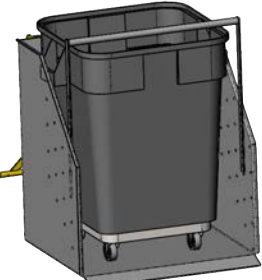
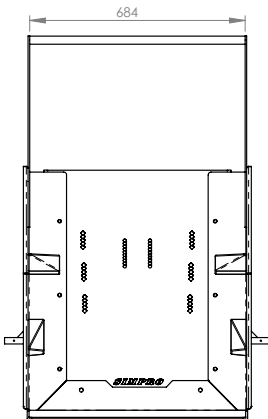
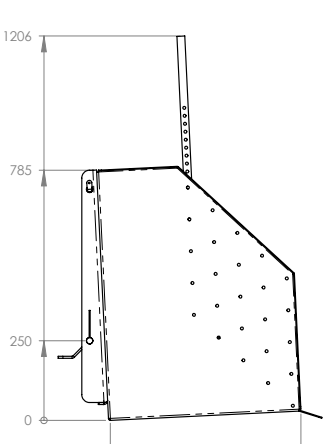
STANDARD STEEL DRUM ON DOLLY



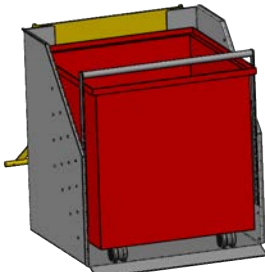
SMALL BRUTE BIN 2620



LARGE BRUTE BIN 2655



SQUARE BRUTE BIN



SQUARE CUSTOM TUB

BIN DUMPER OPTIONS



Bin Hooks



Custom Controls



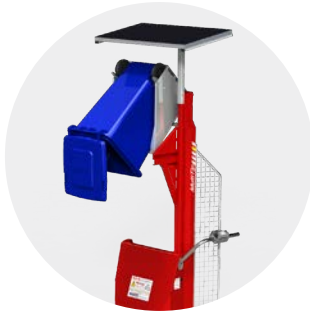
Foot Guard Panel



Operator Guard



PET-G Guarding



Solar Panel



Stainless-Steel Construction



Steel Bucket Cradle



Swing-Up Locking Door



Tipping Chute & Front Panel

AUTO-CYCLE OPERATION (-AUTOCYC)

Available for mains-powered bin dumpers to enable operators to leave the machine to complete the cycle unattended.

BIN HOOKS (-BINHOOK)

Secure the dumper to a bin or skip with two adjustable hooks.

BOLT DOWN KIT (-BOLTDN)

Secure the dumper with four galvanized steel lugs for permanent installation.

CUSTOM CONTROLS

Operator controls can be mounted anywhere on the machine or remotely to suit productivity or safety requirements. Dual-hand controls are also available to prevent the operator from engaging in other interactions.

DIGITAL SCALES (-SCALES)

Platform scales fit under cradle, allowing product to be weighed before tipping.

FOOT GUARD PANELS

Foot guards prevent operators' feet from going under the machine frame.

FRONT PANEL

A guard panel is available for the front for additional protection. Note: this face is normally up against the bin being tipped into.

LEFT/RIGHT-HINGED DOOR

The door on standard Dumpmaster® machines is hinged on the right-hand side and Dockmaster on the left. Doors hinged on opposite are available.

OFF ROAD KIT (-OFFROAD)

Four 8" (200 mm) hard-rubber wheels (2 fixed, 2 swivel) for uneven surfaces.

OPERATOR GUARD (-OPGUARD)

Unbreakable plastic guarding panel can be fitted adjacent to operator controls to shield operator from liquids or harmful materials.

POLYCARBONATE (PET-G) GUARDING

Unbreakable plastic guarding panels are available in place of the standard 1" x 1" (25 mm x 25 mm) wire mesh cage.

SAFETY STANDARDS

Bin dumpers can be specified to meet international standards and/or CE regulations for an additional cost, depending on environment, application, and other factors.

SOLAR PANEL (-SOLAR)

Battery-powered bin dumpers being used outside can be fitted with a solar panel. Depending on the amount of direct sunlight available, up to two tons can be emptied per day using solar power alone.

SPARE BATTERY (-BATTERY)

Spare battery pack, 24V/40Ah GEL, plug & play, complete with carry case.

STAINLESS-STEEL CONSTRUCTION

Bin dumpers are available either partially or completely constructed from high-grade 304 stainless-steel, suitable for hygiene-critical or corrosive environments such as food production or chemical processing. Corrosion-resistant lifting chains and fittings are also available.

STEEL BUCKET CRADLE

Powder coated steel bucket cradle includes adjustable hoop retainer and adjustable packer blocks. Bolted to the main tote cradle plates, the Bucket Cradle accommodates all tubs that fit within 27" (686 mm) wide, 24" (609.5 mm) deep, 47" (1194 mm) high, including all standard steel drums and Brute Bins.





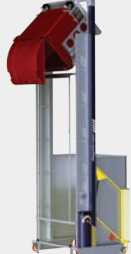
SWING-UP LOCKING DOOR

Instead of the standard side-hinged door, opt for the swing-up door, supported by gas struts and protected by a solenoid operated lock. The door is locked while a bin is lifted or lowered, and machine cannot run while the door is open.

TIPPING CHUTE (-CHU)

Frame-mounted tipping chute is available for situations where the machine cannot be flush with the bin or hopper. Note the tipping height may need to be increased to accommodate the slope of the chute.

BIN DUMPER OPTION AVAILABILITY

OPTION	 MULTI-TIP®	 DUMPMASTER®	 DOCKMASTER	 EZI-MT®	 MEGADUMPER®
AUTO-CYCLE OPERATION		X	X		X
BIN HOOKS		X	X		
BOLT DOWN KIT		X	X		X
CUSTOM CONTROLS	X	X	X		X
DIGITAL SCALES		X	X		
FOOT GUARD PANELS		X			X
FRONT PANEL		S			X
LEFT/RIGHT-HINGED DOOR		X	X		X
OFF ROAD KIT	X	X			
OPERATOR GUARD	X	X	X		X
PET-G GUARDING		X	X		X
SAFETY STANDARDS	X	X	X	X	X
SOLAR PANEL (BATTERY-POWERED UNITS ONLY)	X	X	X		X
SPARE BATTERY					X
STAINLESS-STEEL CONSTRUCTION	X	X	X	X	X
STEEL BUCKET CRADLE	X	X	X		X
SWING-UP LOCKING DOOR		X	X		S
TIPPING CHUTE *		X			X

X = Available

S = Standard

* Note: the tipping height may need to be increased to accommodate the slope of the chute.



FORKLIFT ATTACHMENT

QUICK ATTACH FORWARD BIN DUMPER

The FBT1000-760 provides fast-controlled, **hydraulic dumping action** and is designed for **quick and easy fitting** onto or removal from a forklift.

The Forward Bin Dumper (FBT1000-760) from A.I.M is a forklift attachment that converts an existing forklift into a portable bin dumper perfectly suited for cubic bins, pallet bins, or megabins. The Forward Bin Dumper is **gentle on bins**, extending bin life, and **suitable for a wide range** of solid or vented cubic bin sizes and types made from plastic or timber. The clear-view design does not obstruct vision of tines and the unique bin grab applies a firm grip on a bin when inverted.

The Forward Bin Dumper's **135 degree forward rotation** ensures complete emptying of bin. It has a minimal loss of forklift load capacity and does **not affect the forklift's capacity** to handle pallets or stacked bins. The FBT1000-760 is equipped with a safety catch which prevents tipping if the bin is not positioned correctly on the tines. The **robust construction, powder-coat finish, stainless steel pivot pins, and long-life, zero-maintenance pivot bearings** provide a trouble-free operation with minimal maintenance for years to come.

MODEL	CAPACITY	OVERALL HEIGHT	OVERALL LENGTH	OVERALL WIDTH	WEIGHT
FBT1000-760	2,205 lb (1000 kg)	≈ 28.94" (≈ 735 mm)	59.1" (1500 mm)	29.9" (760 mm)	342 lb (155 kg)

FEATURES:



- Standard unit suits 48" by 48" bins (1219 mm by 1219 mm)
- Total width across tines is 29.9" (760 mm)
- Suitable for a wide range of cubic bin sizes & types - plastic or timber, solid or vented
- Safe working load capacity up to 2,205 lb (1000 kg)
- Fits standard forklift tines up to 42.125" x 1.75" x 4.92" (1070 mm x 45 mm x 125 mm)
- 135° forward rotation ensures complete emptying of bin
- Operator does not leave forklift seat
- Unique bin grab applies firm grip on bin when inverted
- Robust construction for years of trouble-free operation
- Powder coated finish
- Stainless steel pivot pins
- Long life, zero maintenance pivot bearings
- Safety catch prevents tipping if bin is not correctly on tines
- Lost load (on 42.125" [1070 mm] tines) is 11.8" (300 mm)
- Unit weight is 342 lb (155 kg)
- Horizontal center of gravity is 24" (600 mm)
- Vertical center of gravity is 3.54" (90 mm)

CRATE STACKER

ADJUSTABLE
CRATE WIZARD™

An innovative solution for handling stacks of bread-crates. It is easy to move and use, but very rugged and reliable — built to withstand years of rough handling virtually maintenance-free.



The Crate Wizard™ is an innovative solution for handling plastic crates of the type often used in bakeries, food processing plants and distribution hubs. It features unique electrically-operated arms that grip the sides of the crates, and can be clamped or released at any height. This allows crates to be stacked, de-stacked, moved, stored or loaded onto trucks quickly, and safely.

The reliable battery-hydraulic system does all the lifting, so one person can effortlessly handle stacks of crates weighing up to 441 pounds (200 kilograms). This delivers large increases in productivity.

The Crate Wizard is designed for safety from the ground up. The clamp arms feature an intrinsic fail-safe design, reducing the risk of unintentionally dropping crates. Other safety features include a limit bar for maximum stack height, a prominent emergency stop button and a safety alarm. It's rugged construction allows it to withstand years of use with little to no maintenance.



441 LB
CAPACITY

63"
LIFT HEIGHT

BATTERY
POWER SOURCE

22K LB/CHARGE
DUTY CYCLE



FEATURES:

- Powerful, reliable electro-hydraulic system
- Adjustable clamping arms specifically designed for stacking a range of different bread crates
- Small footprint - just 4" (100 mm) wider than standard crates
- Zinc plated frame and weather-proof hand mounted controls
- Sealed gel battery with on-board charger
- Large-diameter steered rear wheel
- 441 lb (200 kg) lifting capacity
- 63" (1600 mm) vertical lift
- Simple handle mounted controls
- Battery operated

MODEL	CAPACITY	OVERALL HEIGHT	OVERALL LENGTH	OVERALL WIDTH	WEIGHT
CW1600X	441 lb (200 kg)	91" <i>lowered</i> (2315 mm)	44" (1112 mm)	34" (875 mm)	≈ 551 lb (≈ 250 kg)
Custom	Don't see what you're looking for? Contact sales@solusgrp.com to discuss customization.				
Battery powerpack, 24V/20Ah sealed gel battery , 6-hour charge (input 100-264VAC 1-ph 50/60Hz ≤3A)					

ELECTRIC TUGGER

LABOR SAVING POWERPUSHER®

Solo handle 500 - 50,000 LB loads with the power pushers **easy to use, ergonomic** controls.



Nu-Star's signature PowerPusher® **improves operator safety, reduces manpower and increases plant floor productivity** with less downtime by transporting heavy loads fast and **without excess exertion or muscle strain.**

Enabling a single person to maneuver 50,000 pounds with total control, the electrically powered, compact tug **replaces large, expensive material handling equipment**, such as forklifts and tractors. With a wide range of **standard or custom attachments** available, the tugs are a scalable, **flexible solution** built to meet specific load requirements.

24V DC
POWER

400 WATT
MOTOR

50,000 LB
CAPACITY

BATTERY
POWER SUPPLY

CUSTOM
ATTACHMENTS



FEATURES:

- Transaxle design delivers stable operation over uneven surfaces
- 24-volt DC, 400-watt motor delivers heavy-duty 50,000-pound push/pull capacity
- Fully programmable control system with diagnostic features to adjust speed and acceleration/deceleration based on load and environment
- Ergonomic handles with hand guards increase operator comfort and safety
- Electrically powered with on-board charger for long-lasting, efficient operation
- Fingertip controls and compact sizing for easy maneuverability and operation
- Comes with an attachment to connect with the Solus Mobile Garbage Bins (MGB)

MODEL	PUSH/PULL CAPACITY	OVERALL HEIGHT	OVERALL LENGTH	OVERALL WIDTH	WEIGHT
PP-DM-189	Up to 50,000 lb (Subject to rolling resistance of load)	35" (889 mm)	66" (1676 mm)	30" (762 mm)	350 lb (159 kg)



BIN WASH FRAME ERGONOMIC BINBLASTER®

BinBlaster makes bin washing easy with a **lifting mechanism** that draws power from the water supply (or optional battery pack) to lift and tilt bins at an **ergonomic height for manual washdown**.

The BinBlaster® (BB1000) is a **smart solution for cleaning mobile garbage bins**. The BinBlaster's 'antler' bin-hitch system **safely lifts wheelie bins from 22 gallon to 290 gallons without clamping or modification**. 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 from entering the wastewater system. Additionally, the optional water catchment tank and recirculation system can be installed to reduce water usage.

WATER PRESSURE

(OR BATTERY) POWER SUPPLY

22 - 290 GAL

BIN CAPACITY

≈ 20 BINS/HR

DUTY CYCLE

GALVANIZED

STEEL CONSTRUCTION



FEATURES:

- 'Antler' bin-hitch safely lifts bins from 22 Gal to 290 Gal without clamping or modifications
- Durable hot-dip galvanized steel construction
- Integrated grab-handles and wheels
- Powered by mains water pressure (or optional 12V battery powerpack)
- Lever operated
- Custom hitches available
- Extendable drip tray and debris bucket
- Operates without mains electricity



MODEL	TIP HEIGHT	POWER	MAX GROSS BIN WEIGHT	HEIGHT	OVERALL DEPTH	OVERALL WIDTH	WEIGHT	IP RATING	SAFETY PERFORMANCE
BB1000	39" (1000 mm)	Mains water pressure > 40psi	≈ 176 lb (≈ 80 kg)	44" lowered (1127 mm) < 75" raised (< 1900 mm)	55" (1400 mm)	53" (1340 mm)	≈ 132 lb (≈ 60 kg)	IP66	ISO13849-1 AS/NZS4024 Performance Level c

MOBILE GARBAGE BINS



Mobile Garbage Bins (MGB) provide a **streamlined approach** to waste management in industrial and institutional settings. Despite tremendous capacities, these **ergonomic** waste-handling solutions **roll smoothly** on most terrain, thanks to extra-large casters. **Easy-access lids** contain odors and deter pests, while the injection-molded HDPE plastic withstands heat, cold, chemicals, and many impacts.

FEATURES:

- Versatile, high-capacity waste handling with a wide range of accessories available
- Compliant with industry standards, including EN840 and AS4123
- Secure water-channeling lid minimizes odors, with optional quick-access hatch
- Integrated RFID chip nests for identification and weighing systems
- Double-angle rail for greater safety when emptying
- Smooth and rounded surfaces for easy cleaning and emptying
- Designed to withstand high levels of mechanical stress
- Formed internal floor with drainage plug
- Heavy-duty casters with solid rubber tires for easy smooth movement on any terrain
- Dependable wheel brakes
- Directional locks for use with towing equipment
- Create a bin train by adding a tow arm and hook to mobile garbage bins
- Special UV stabilization provides excellent aging characteristics
- Injection-molded from specially designed HDPE plastic that resists decay, frost, heat, and chemicals, and is fully recyclable
- Ergonomic large-grip handles on all sides for safe and easy maneuvering

ON-SITE WASTE MANAGEMENT TURNKEY WASTE HANDLING SOLUTION

Complete facility-wide waste collection with **fewer workers, fewer injuries, & faster results.**

Together, the products listed below provide a **complete system for collecting on-site waste** from multiple accumulation points, indoors or outdoors, in spaces of virtually any size. Purchase as a package or choose individual products to build your own system.



ROLL-OUT CARTS

ICON SERIES

Cascade's ICON Series Roll-Out Carts are built to handle the demands of the real world, that's why ICON has earned the confidence of businesses and municipalities across North America for commercial and residential use. With their **reinforced bottom** with double wear strips, Cascade's carts have a reputation for exceptional durability & functionality.

FEATURES:

- 35, 64, and 96 Gallon models are available
 - Injection molded with High Density Polyethylene (HDPE)
 - UV stabilized against sun damage
 - Manufactured with molded-in double wear strips to protect the cart bottom against abrasion
 - Snap-lock wheels are tough and durable, but require no tools for installation
 - In-molded upper saddle lift area
 - Rust proof, high strength composite lower lift bar is stronger than standard steel, has 360° rotation, and is easily replaceable*
 - Cascade boasts the industry's largest variety of standard color options for carts and lids
 - Rugged RFID tags come standard on every cart
 - ANSI compliant and 100% recyclable
- * Simple installation of the lift bar required by customer



STERLING SERIES

Cascade looked to the future when engineering the Sterling Series, with its breakthrough **integrated lift bar** and double-wall lower lift pocket. It's strong, **fully sealed** and compatible with semi- and fully-automated lifting systems.

FEATURES:

- 32, 64, and 96 Gallon models are available
- Injection molded with High Density Polyethylene (HDPE) and UV stabilized against sun damage
- Manufactured with molded-in double wear strips to protect the cart bottom against abrasion
- Snap-lock wheels are tough and durable, but require no tools for installation
- In-molded upper saddle lift area
- Factory installed high strength composite lower lift bar is water-tight, rust proof, stronger than standard steel, and has 360° rotation
- Cascade boasts the industry's largest variety of standard color options for carts and lids
- Rugged RFID tags come standard on every cart
- ANSI compliant and 100% recyclable



BINS BUILT FOR YOUR BUSINESS

Plastic Bulk Bins are built to meet the most rigorous demands of application and they're rugged enough to handle any environment.

To learn more, contact your Solus representative at (314) 696-0200.



MINIMIZE RISK & MAXIMIZE SAFETY



Bin Dumpers are manufactured by **Simpro Handling Equipment** and distributed in the U.S. by **Solus Group, Inc.**

Simpro Handling Equipment is a family business located in Auckland, New Zealand and founded in 1986. For the past 30+ years, Simpro has built an enduring reputation for innovation, safety, and reliability. Simpro products incorporate a number of unique features which have improved productivity for thousands of workplaces around the world.

Solus Group, Inc. offers a wide variety of quality material handling products with solutions focusing on material handling equipment, ranging from forklift battery handling equipment to scissor lift tables, and warehouse storage to compressed gas cylinder transport. We provide solutions that promote facility safety, efficiency, and productivity. We look forward to the opportunity to help improve your business processes with our growing line of specialized equipment, designed with ergonomics in mind.

Contact us today or shop now at solusgrp.com.

Distributed by:



St. Louis, MO

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