

Model Series:

**Rolo
EHD
LD
BF
RM**

INDUSTRIAL

Cart tippers



- **450 to 8,000 lb. capacity**
- **Up to 30' dumping height**
- **135° dumping angle**
- **Numerous design styles, options and modifications available to accommodate all of application requirements**

Recommended For:

- Business Offices
- ✓ Corrugated Material Only
- ✓ Grocery Stores
- ✓ Hotels
- ✓ Industrial - Light
- ✓ Industrial - Heavy
- ✓ Institutional
- ✓ Retail Outlets
- ✓ Retail Outlets - Large
- ✓ Transfer Stations
- ✓ Warehouses

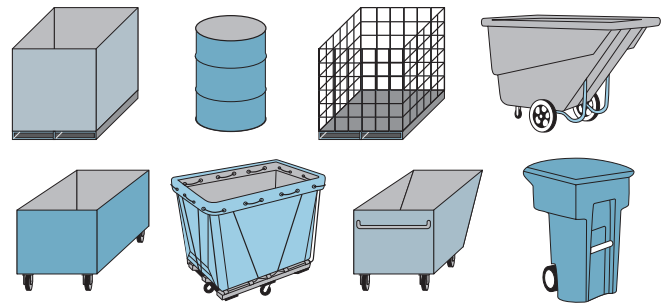


The Best Value...

SP Industries helps move waste and recycling material through and out of all forms of production facilities with a diverse line of cart lift and dumper products that can reach up to 30 ft and handle load capacities to 8000 lbs.

We offer comprehensive fabrication services to fit all cart tipper products to your specific material handling equipment, facility requirements including integration with our extensive lines of stationary, self-contained and pre-crusher compactors.

Our cart tippers and lifts offer piece of mind by reducing back injuries, improving production, eliminating bottlenecks, and keeping facilities looking great. A properly designed system will almost always save money — day after day, year after year.



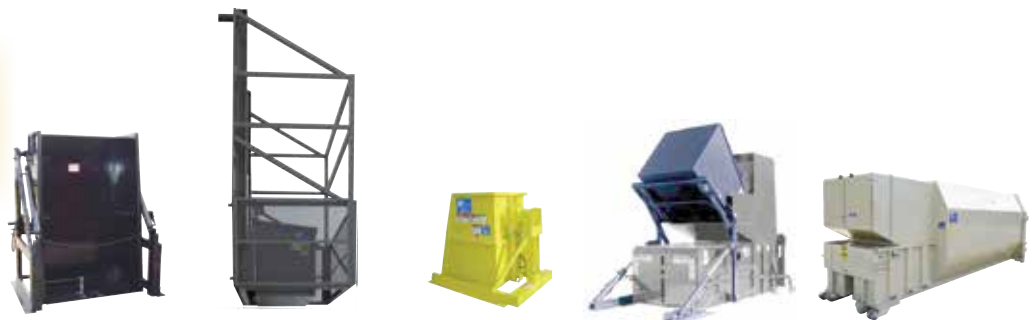
All dumpers are built to customer container dimensional specs and handling requirements. We can help determine your needs and present you with a system that will dump loads up to 10,000 lbs with dump heights up to 30 feet.

Additional options available with dumpers include:

- PLC controls
- Hydraulic lock systems for carts
- Thermo oil heater
- Side entry scoop
- Dumper enclosures
- Customized designs — give us a call...

Cart tippers and Material Lifts Selection

All SP Industries equipment meet or exceed ANSI and OSHA specifications for safety



		Rolo	EHD	LD	BF*	RM*
Dump Height (in)	Max	84	360	60	*	*
	Min	24	84	48	*	*
Dump Angle		135°	135° to 155°	160°	135°	120°
No. of Cylinders		2	1 or 2	1 or 2	2	1 or 2
Maximum Capacity (lb)		8,000	4,000	4,000	4,000	2,000
Cycle Times (sec)		26 to 137	30 to 285	32 to 170	*	*

* BF Back Feed dumpers must be ordered with an SP Industries CP Series industrial or commercial stationary compactor. Maximum BF capacity is 3 cu.yda.

RM Rear Mounted Dumpers must be ordered with an SP Industries SCS Series self-contained compactor. Maximum RM capacity is <1/2 or 3 cu.yds. depending on model.

Both systems are completely custom to the specific application requirements. As such, performance capabilities is dependent on the machine they are combined with. Please contact SP to discuss your specific requirements.





SP Design Benefits

- Cart attachment or scoop custom designed and built to match your specific cart or container
- Custom design assures a safe and secure fit for the cart/container during tipping operation
- Container hold-down systems capture fork pockets, wheels, side pockets, or the top of the container
- Cart/container evaluated for a hold-down system that maintains a secure fit while allowing for a free flow of material during the dumping process
- Manually and hydraulically operated adjustable bar hold-down systems available for dumpers required to handle multiple cart sizes
- Engineered systems for custom dumpers or special attachments including: extending dumper reach; re-directing the flow of material; regulating the rate of discharge; capturing an unusual style of container



Side Fork Pockets



Bottom Fork Pocket



Manually Adjustable Hold-Down Bar



Hydraulically Adjustable Hold-Down Bar



SP Industries has +30 years experience with cart tipplers and compaction equipment of all kinds.

We know the best way to build any material handling system you need!

See page 7 for more examples.



Wheel Capture Side Angles



Side/Top Angle Hold-Down



Beige

Standard Paint Finish

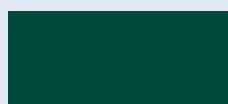
SP Industries offers a variety of standard paint colors at no charge. Please contact the factory for custom color options.



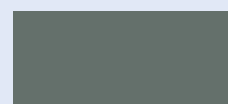
Medium Brown



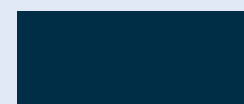
Yellow



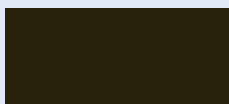
Medium Green



Medium Gray



Medium Blue



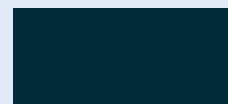
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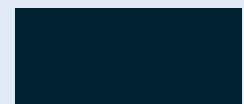
Red



Dark Green



Dark Gray



Dark Blue



Rolo – 135° Heavy Capacity Production Dumpers

Typical Applications

Rolo dumpers are the ideal method to empty material from a container into production, recycling or waste handling equipment:

Used to move material:

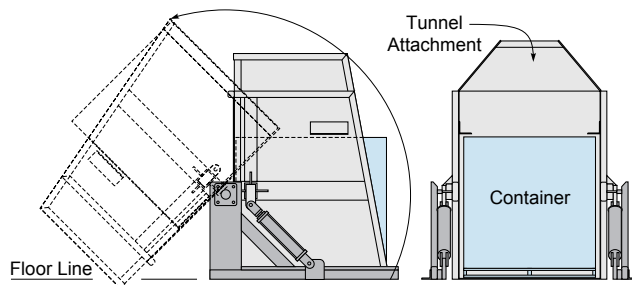
- Onto a conveyor
- Into smaller containers
- Onto a sorting tray or table
- Directly into production or processing equipment

Used extensively in:

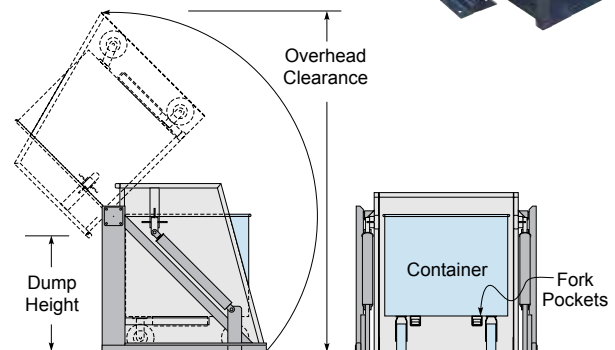
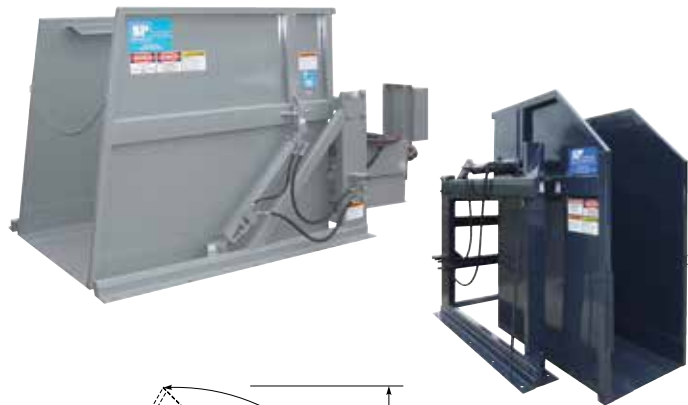
- Automotive parts production
- Forging facilities
- Recycling operations
- Distribution centers
- Food processing
- Waste handling

Design Features

- Scoop design fits existing/required cart attachment method
- Customized for carts, containers, gaylords, boxes, baskets, totes, barrels, drums or special containers
- Readily equipped with a hold down bar, side hold down angles, bottom or side forks, or an adjustable hold down bar
- Dual cylinders provide stability and greater lifting capacity
- Structural steel frame for stability and durability
- High tensile steel pivot shaft
- Heavy duty bearings



Container held in place by side hold-down bars. An optional funnel attachment directs material from the container into a narrower hopper located below floor level.



Rolling carts equipped with fork pockets are held in position by bottom forks. Rolo dumpers can be designed with a dump height up to 84". Additional overhead clearance is necessary as the required dump height increases.

Rolo Design/Performance Overview by Model

	Rolo-1000	Rolo-2000	Rolo-4000	Rolo-6000	Rolo-8000
Lift Capacity (lbs)	1,000	2,000	4,000	6,000	8,000
Dump Height* (in)	<0 to 60	<0 to 84	<0 to 84	<0 to 84	<0 to 84
Hydraulic Cylinders (qty)	2	2	2	2	2
Power Unit Range	HP	5	5 or 10	5 or 10	10
	GPM	6	6 or 10	6 or 10	10
Cycle Time** (sec)	26 to 140	20 to 160	34 to 220	34 to 137	41 to 137

* Rolo dumpers can be designed with a dump height below grade

** Cycle time dependent on cylinder length and size as determined by dumping heights, and hydraulic oil flow as determined by the power unit.



EHD – 135° Extended Height Dumpers

Typical Applications

EHD are the ideal method to elevate work or scrap material to an extended height and empty the material into production, recycling or waste handling equipment:

Used to move material:

- Onto a conveyor
- Into a container or trailer
- Directly into production or processing equipment

Used extensively in:

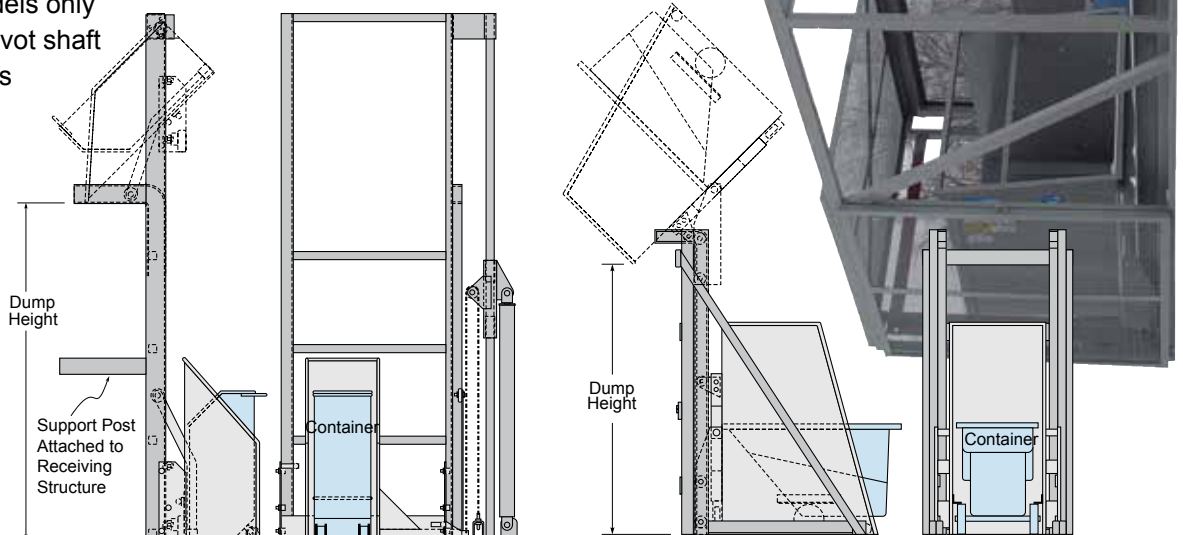
- Waste handling
- Recycling
- Industrial processing
- Food processing

Design Features

- Scoop design fits existing/required cart attachment method
- Customized for carts, containers, gaylords, boxes, baskets, totes, barrels, drums or special containers
- Readily equipped with a hold down bar, side hold down angles, bottom or side forks, or an adjustable hold down bar
- Single cylinder design for light or heavy capacity
- Structural steel frame for stability and durability — heavy capacity models only
- High tensile steel pivot shaft
- Heavy duty bearings

Model EHD-1005 must be attached to a permanent structure (right).

Heavy Capacity EHD -1010 thru 1040 can be free standing (far right).



EHD 1820 dumping into trailer

EHD Design/Performance Overview by Model

	EHD-1005	Heavy Capacity		
		EHD-1010	EHD-1020	EHD-1040
Lift Capacity (lbs)	500	1,000	2,000	4,000
Dump Height (in)	84 to 216	84 to 240	84 to 240	84 to 240
Hydraulic Cylinders (qty)	1	1	1	1
Power Unit Range	HP	5	10	10
	GPM	6	16	16
Cycle Time* (sec)	33 to 53	30 to 100	33 to 110	33 to 110

* Cycle time dependent on hydraulic oil flow as determined by the power unit.



LD – 135° Light Capacity Dumpers

Typical Applications

LD dumpers are the ideal method to empty material from a container into production, recycling or waste handling equipment:

Used to move material:

- Onto a conveyor
- Into smaller containers
- Onto a sorting tray or table
- Directly into production or processing equipment

Used extensively in:

- Waste handling
- Food processing

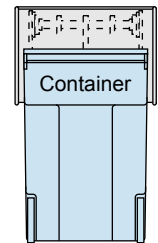
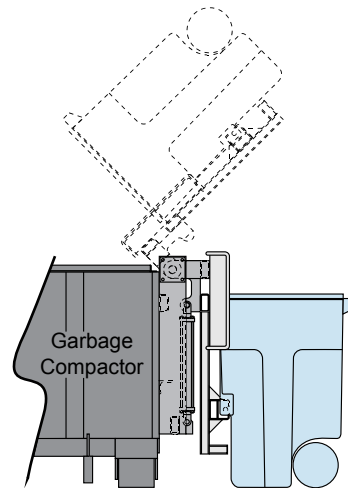
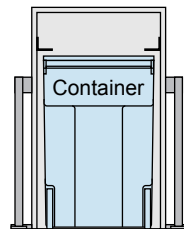
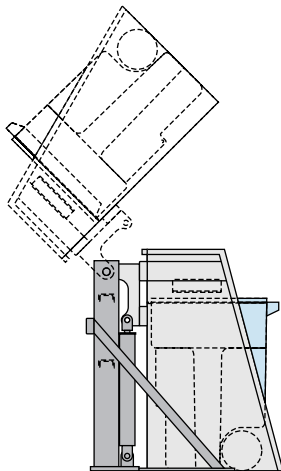
Design Features

- Design fits existing/required cart attachment method
- Customized for carts, containers, gaylords, boxes, baskets, totes, barrels, drums or special containers
- Readily equipped with a hold down bar, side hold down angles, bottom or side forks, an adjustable hold down bar, or a 90 gallon container catch
- Single cylinder light duty lifting capacity
- Structural steel frame for stability and durability
- Heavy duty bearings



Below Left: Small containers can be placed directly into the cart attachment and held in place by side hold-down bars.

Below Right: The LD can also be attached directly to the side of a garbage compactor or other material processing equipment. In this illustration, a 90 gallon container is dumped directly into the garbage compactor's hopper. The cart is held in place by side hold-down bars or a mechanism that catches the retaining bar on ANSI compliant containers.



LD Design/Performance Overview

	LD-90	LD-500	LD-1000
Lift Capacity (lbs)	450	500	1,000
Dump Height (in)	42 to 48	48 to 60	48 to 60
Hydraulic Cylinders (qty)	1	1	1
Power Unit Range	HP		
	3	3	3
	GPM		
	3	3	3
Cycle Time* (sec)	—	32 to 84	20 to 160

* Cycle time dependent on hydraulic oil flow as determined by the power unit.



Specialized Designs and Custom Solutions

Integrated Cart tipper/Compactor Systems

SP Industries offers cart tipplers tailored to work in conjunction with many of our compactor product lines.

135° back feed dumper design (BF Series) is installed with our CP Series commercial or industrial stationary compactors. In similar fashion, the 120° rear-mounted dumper (RM Series) are designed for use with our SCS self-contained compactors. BF and RM dumpers must be ordered with the compactor.

Please contact your SP Industries representative to discuss your application requirements.



		BF-2000	BF-4000	RM-90-SCS	RM-2000-SCS
Capacity (max)	lbs.	2,000	4,000	500	2,000
	cu.yds.	3	3	<1/2	3
Cart Size (max)		48 x 72	48 x 72	96	48 x 72
Hydraulic Cylinders (qty)		2	2	1	2
Power Unit Range	HP	10	10	*	5
	GPM	10	10	*	6

**RM-90-SCS utilizes the SCS compactor's power unit, and ties into the compactor hydraulic lines.*

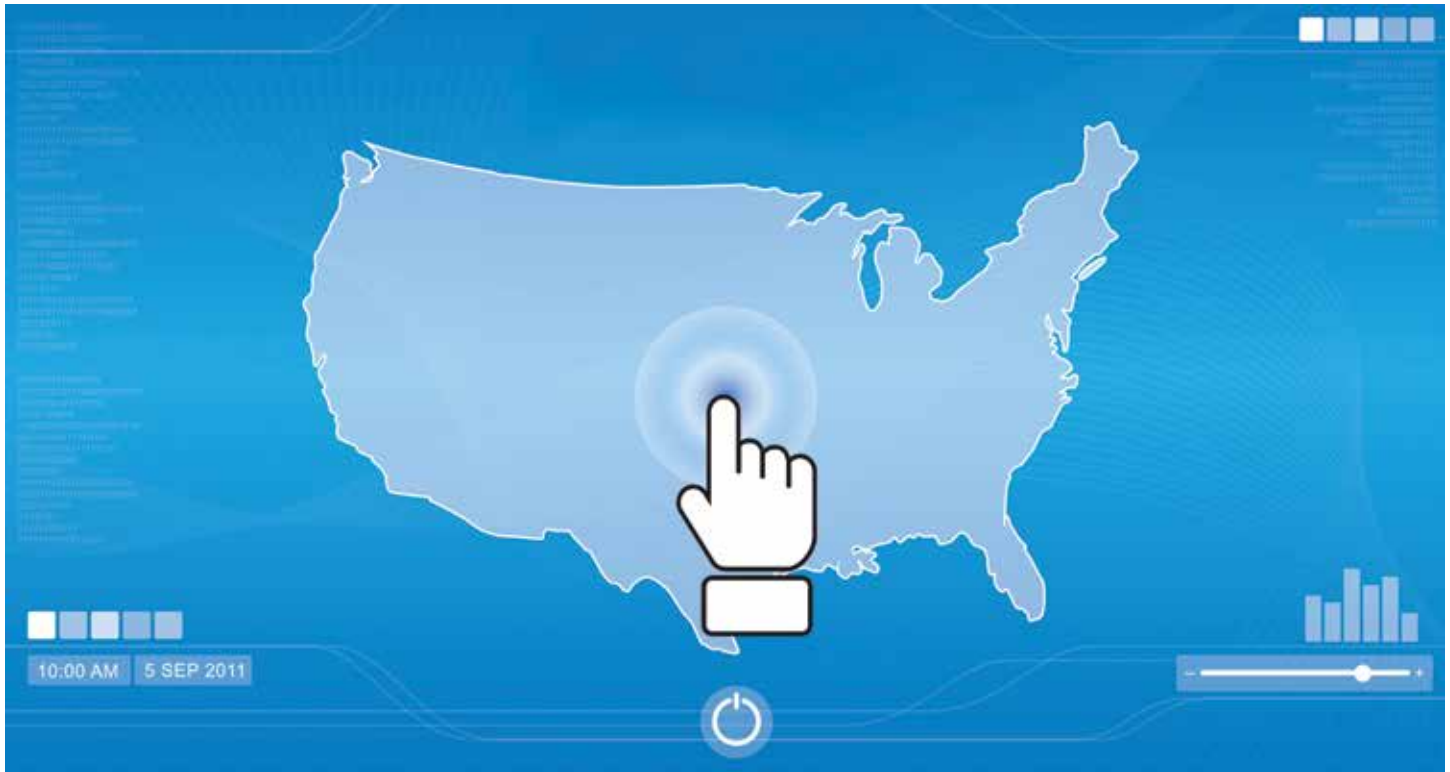
Custom Solutions: Built Tough. Built Better. Built to your Needs.

Working from our extensive range of designs, standard and optional features, and +30 years engineering and manufacturing expertise, we build seamlessly tailored cart tipplers tailored to meet the customer's exact requirements. We are confident that SP Industries cart tipplers offer the best overall value for long-life durability and performance.

- Local availability through nationwide network of factory-trained dealers and distributors
- Nationwide installation and service
- Best-in-industry warranty program



SP Industries Products & Service Nationwide



“Let Your [Index] Finger do the Walking”

SP Industries products and services are available nationwide from our sales and service staff and our network of authorized factory-trained dealerships.

For more information or to discuss your specific application requirements, click the map above or call our home office 8am-5pm EST.

Our new EM Series are 100% electromechanical:

- Completely eliminate hydraulic fluid and hoses
- Free up floor space
- Eliminate bulky power units
- Provide safer operation with 24-volt control system
- Eliminate the risk of hydraulic fluid contamination



Designed for environmentally conscious institutional, commercial, and industrial work environments, EM Series units require less maintenance, and remove the potential for fires, leaking seals, and other hazards associated with hydraulic systems.

We look forward to helping you with all your waste removal, material handling, process recovery and recycling efforts.



SP Industries designs and manufactures a comprehensive standard line of industrial and commercial grade compactors with pre-crushers, transfer station equipment and cart dumpers to meet small to large capacity operations.

We also offer a wide variety of specialized systems to handle wet waste, food products, metal scrap collection, fluid recovery, newsprint recycling and other difficult and/or voluminous materials.



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