The History of Residential Solid Waste Collection

Heil Rail Welding Co., 1901

New HEIL Plant

Heil – “Colecto” Rear Loader
Heil – “Colecto” ReStored

Rear Loaders
HEIL Model 5000
High Compaction
Rear Loader

HEIL Model 4000
Medium Compaction
Rear Loader

Side Loading Garbage Trucks

Manual Side Loaders
Trux-Max
Colar-EVO
Changes Need To Be Made

Cart & Semi Automated Solid Waste Collection

Side Loaders Pick-up Steel Containers

“EMCO”
THE ARTICLE OF AUTOMATION

"GODZILLA"
City of Scottsdale

Son of Godzilla
"The Barrel Snatcher"

Trash Hog
Mobile Transfer Station
“Litter Pig”
Built By: Western Body and Hoist

California’s Jumping Bean Bag Loader

Litter Pig
Arm Configuration-2

“MBR”
Shell Oil Company’s Mechanical Bag Retriever
“Tolleson Non-Stop”
By Bionomics of Arizona

Litter Lift w/Hobbs Side Load Body

HEIL – Goes Automated
Rapid Rail: The “Granddaddy” of Automated Collection

- Over 7,000 built
- More than 30 years proven performance
- No fixed restarts
- 6-second cycle time
- Collects up to 1,000
- Sorts per day
- 1,600 lbs. lift capacity
- Operate in Gear At Idle
- Continuous packing paddle paddle
- Compaction up to 800 lbs. per yd³
- Available in 8 sizes, from 16 to 32 cubic yards
STARR System
Semi-Trailer Automated Rapid Rail
- 8-foot reach
- 8-second cycle time
- 1,600 lb. lift capacity
- Operate-In-Gear at Idle
- Continuous packing paddle packer
- Composition up to 800 lbs. per Yd³
- Available in 33 and 37 cubic yards trailer capacity
- Very maneuverable, tight turning radius
- Largest legal payload
- Mobile Transfer

DuraPack Rapid Rail
Formula 7000 Split Body
- 8-foot reach
- 8-second cycle time
- 1,600 lb. lift capacity
- Operate-In-Gear at Idle
- High compaction, up to 900 lbs. per Yd³
- 3 Cubic yard hopper
- 3 body sizes, 36, 38, and 33 cubic yards

Split Body Automated Recycler
- Reliable Formula® 7000 lift
- 72-inch reach
- 8-second cycle time
- 2,000 lb. lift capacity
- 33 cubic yard body capacity

Python Arm
The Python Automated Arm
- Lifting Cycle 6-8 Sec.
- Hopper size 4.0 Yd³
- Up to 1,600 Homes/day
- 0 to 9-Foot Reach
- John Deere Cylinders
- Enclosed Oil Bath Gearbox
- Precision Machined Bearings
- Reliable Air-Over-Hydraulic Controls
- Operate-In-Gear @ 750 rpm
- Inherent Safety Advantages

Power Lift
What has Changed Today

Some things are still a good idea!

Leading The Industry

35 Years of Automated Experience...
Over 56% of all automated trucks in use today are HEIL

Manufacturing Processes

- State-Of-The-Art Fabrication
  - Laser Technology
  - Precise Parts Fabrication
  - Repeatability, Consistency
  - Largest in North America
  - Slot and Tab Techniques
  - Computerized Press Brakes
Manufacturing Processes

- Robotics
  - Cleaner Welds, Better Fit and Finish
  - More Consistent Product
  - 12 in place at the factory today since 2003

Support / Training

Mobile Training Center

- Industry’s Only Mobile Training Centers
- Dedicated East and West Coast Units
- Customized 53 Ft. self-contained trailer/classroom to educate maintenance personnel
- $250,000 investment
- Over 400 Square Ft. of climate-controlled classrooms
- Specialized classes for specific needs - Electrical / Hydraulic / Safety
- Contract Start Up Center for Operator Training

Local Equipment Supplier

Began building rear loading solid waste containers in 1968

Manufacturer Of:
- Solid waste containers of all sizes
- Platform, stake and custom bodies
- Liquid de-icing equipment

Distributor Of:
- HEIL Solid Waste Collection Equipment & Schafer Cart Containers
- Small and large to fit any application

Local Equipment Supplier

- Providing Solid Waste Collection Equipment for 45 years
- Established business in Colorado in 1968
- Began Selling into Wyoming in 1984
- Opened second facility, Great Falls, Montana in 1989
- Expanded into Billings, Montana in 1993
Why Change to Automated Waste Collection?

It is the most efficient way to collect solid waste and recyclable materials.

Will help stabilize cost while improving service levels.

Eliminates manual loading, thus reducing job related injuries.

Improves the appearance of the community.