



Making Compaction Happen

Qualifications to Design Custom
Solutions to Exceed Expectations



Who Are We?

To Our Valued Customers

From our humble beginnings in 1966 in the building to the right to our current facility in Hopkins, Michigan SP Industries has been dedicated to maintaining the highest level of service, product quality, and product design. We also remain committed to sincerely, professional, and ethically serving the best interests of our customers.

This commitment has allowed us for over 40 years to maintain a reputation for superior product quality but for also being flexible to meet and exceed our customer challenges through difficult market conditions. By sitting down with you the customer we aim to understand the specific challenges you face, the specific events or motivations driving your decisions, and the metrics or process that you go through as an organization so that we can customize a solution to exceed all your business goals.

As we move into the future, we look forward to working with you to be your Single Source for Quality Waste Reduction, Compaction, and Material Handling Solutions.

Sincerely,



Adam Pool

Chief Operating Officer



Your Single Source for Quality Waste Reduction, Compaction,
and Material Handling Solutions



What Is Compaction?

- **Mechanical Devices**
 - (Hydraulically/Electrically Actuated)
- Designed to dramatically reduce volume of materials, thus saving labor, time and disposal cost.
- **ANSI Z-245.2 Definition**
 - A powered press or auger that remains stationary when operating and is designed to compact waste or recyclable materials into a container.



The Volume of Compaction

Volume Reduction

Materials Before



Materials After



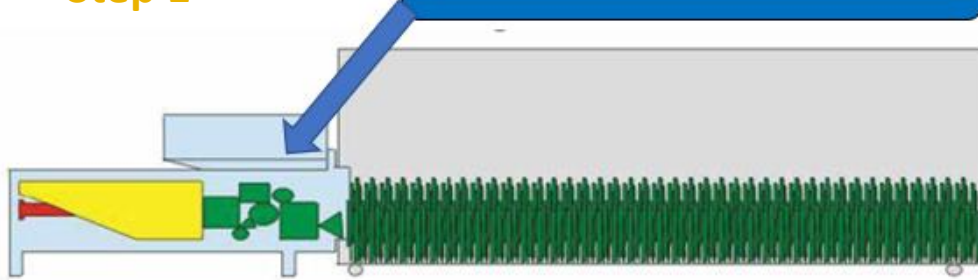
- **Maximizes space utilization**
- **Minimizes labor of handling and transportation cost by maximizing container load weight**
- **Is environmentally conscious as it reduces landfill consumption.**

The Compaction Process

The Benefits of Dual Cylinder Compaction

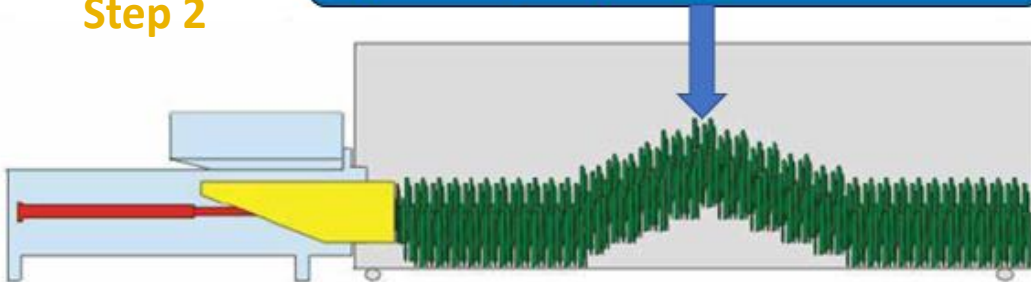
Step 1

Material is Condensed until a column is formed as the RAM pushes the waste into the Container



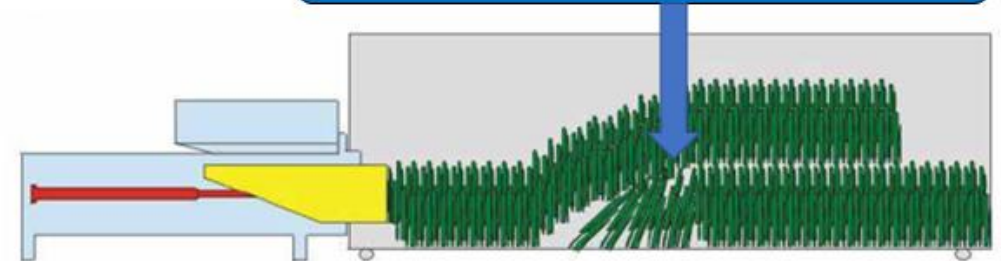
Step 2

As more material is compacted into the column, the force generated by the compactor causes the column to break



Step 3

Once the Column Breaks the material begins to build up on top of itself filling all the empty voids in the container.



Customer Benefit:

This shorter column would typically be the stopping point of a single cylinder machine. A Dual Cylinder machine has the force required to break the shorter column multiple times to continue to densify the container. By doing this a Dual Cylinder piece of equipment will lower your over all number of loads annually. In turn giving you the best long term Cost Model

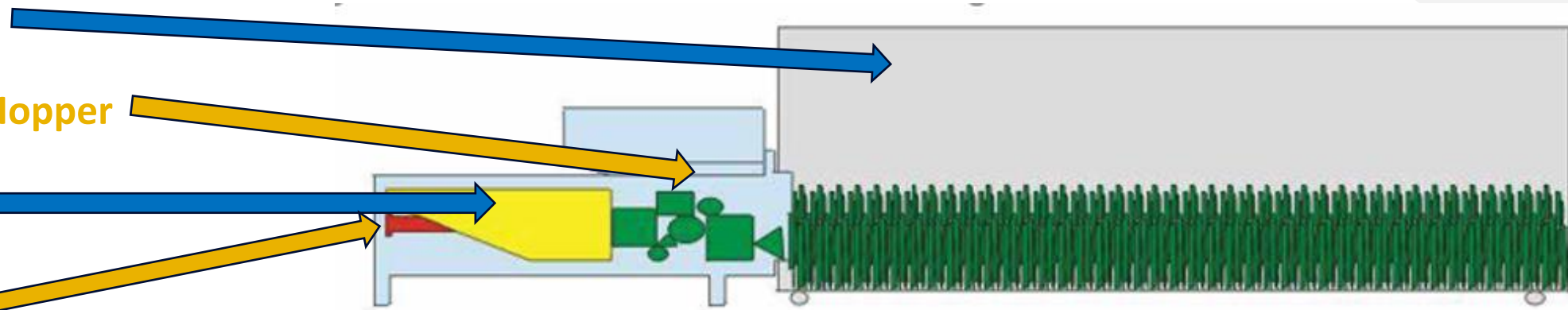
Compactor Components

- Container

- Frame & Hopper

- RAM

- Cylinder



*Power Unit not Pictured,
typically next to or on the
machine

Cylinder



Frame



Ram

Power
Source



Compactor Types

- Compactors are designed to compact into an attached container for transport to processing and/or disposal facilities.
- There are many different design types of compactors to accommodate varying application and facility infrastructure design requirements. Primary among them are stationary and self-contained:
 - **Stationary Compactors Include:**
 - Apartment Style
 - Pre-Crusher
 - Wet Waste Unit
 - Baler
 - Commercial/Industrial Units
 - Vertical Stationary Compactor
 - Transfer Stations
 - **Self-Contained:**
 - Auger Box
 - Self-Contained Compactor



Compactor vs. Baler

Balers are a unique variation of a compactor which is designed to compact within themselves to form a product ready for shipment. They can either be a horizontal or vertical load.



Sizing up Your Project

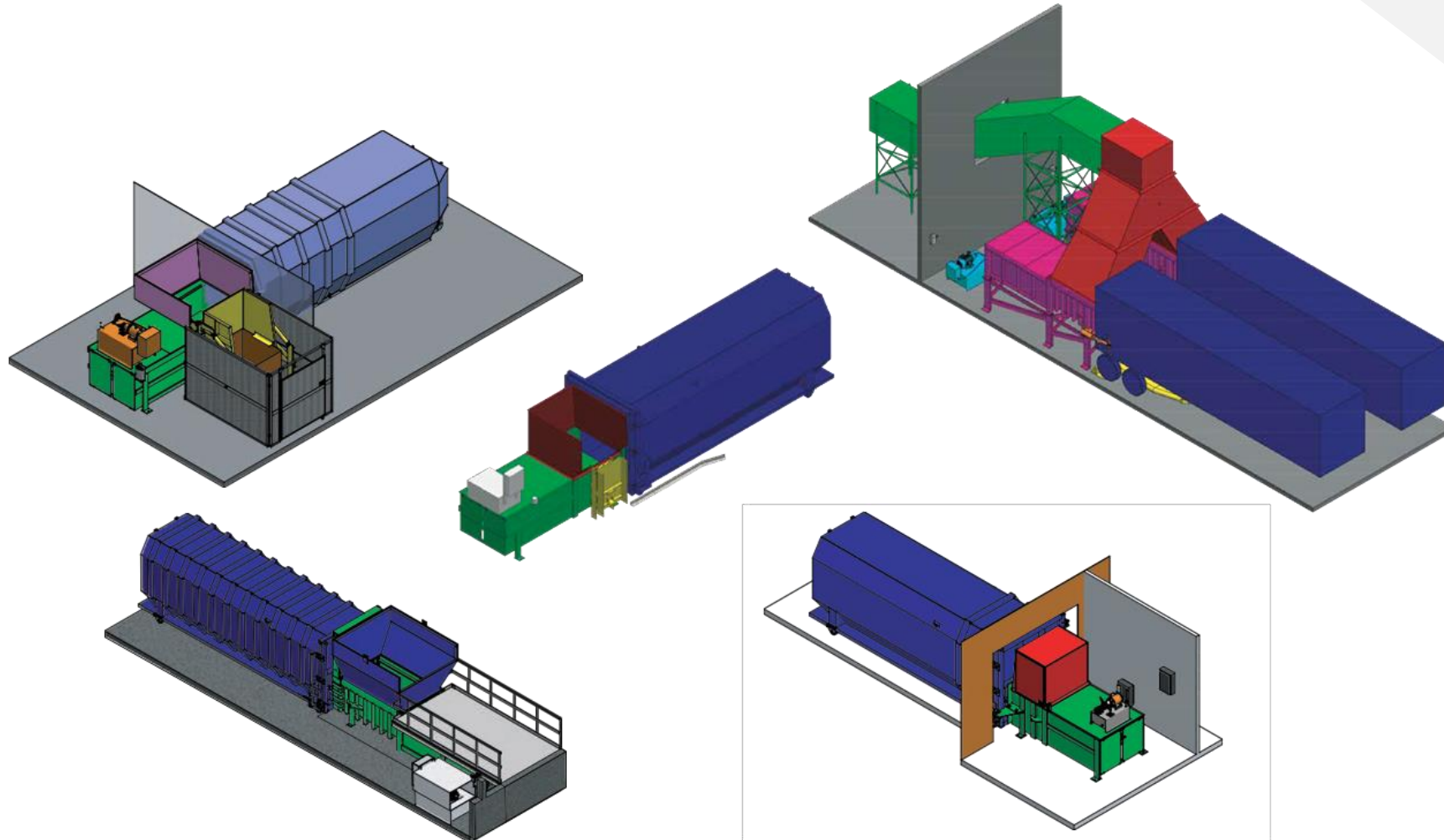
How Are Compactors Sized Or Rated?

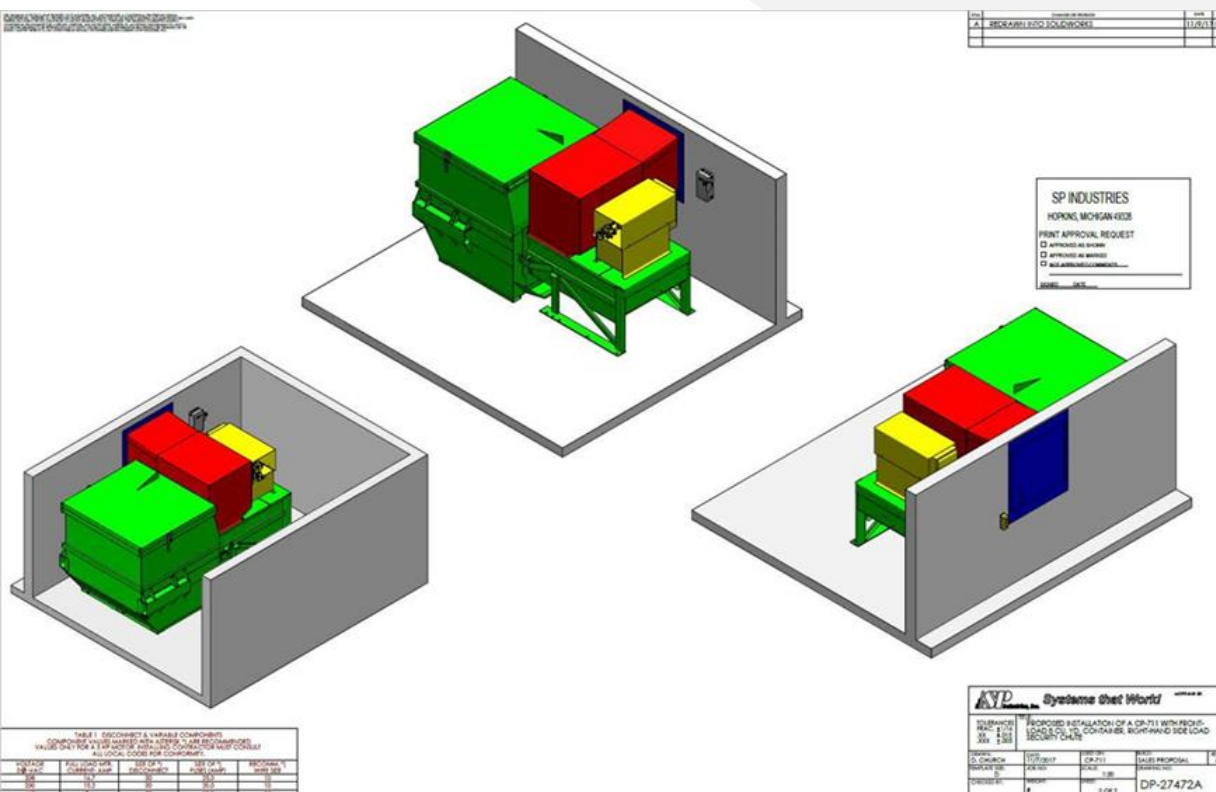
- **Manufacturers**
 - Rate the total holding capacity of the complete base compaction chamber.
- **WASTEC (Industry Association)**
 - Rate the area that includes the width and height of the ram, and the length of the chamber from ram retracted to the front of the breaker bar

***For example, a Manufacturer Rating will often say a 4 Cubic Yard and the WASTEC rating is 3.05 for the same piece of equipment**

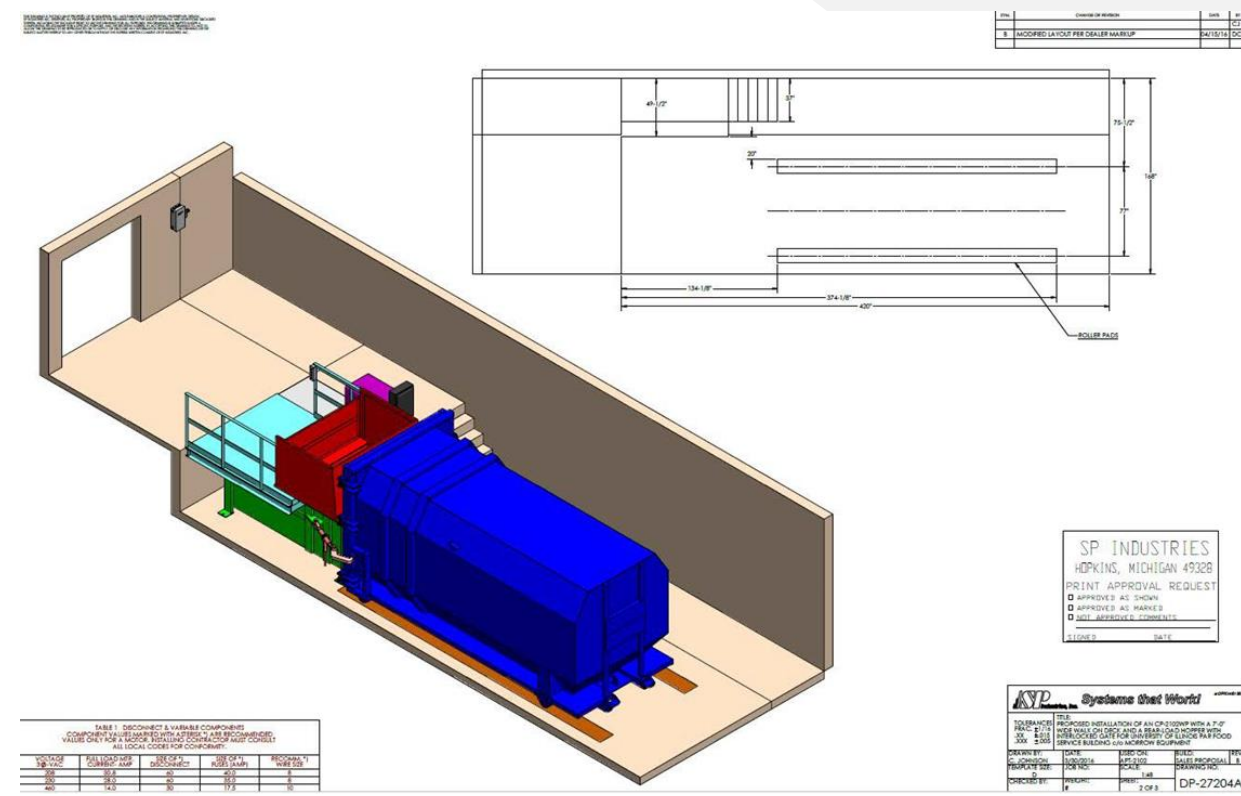
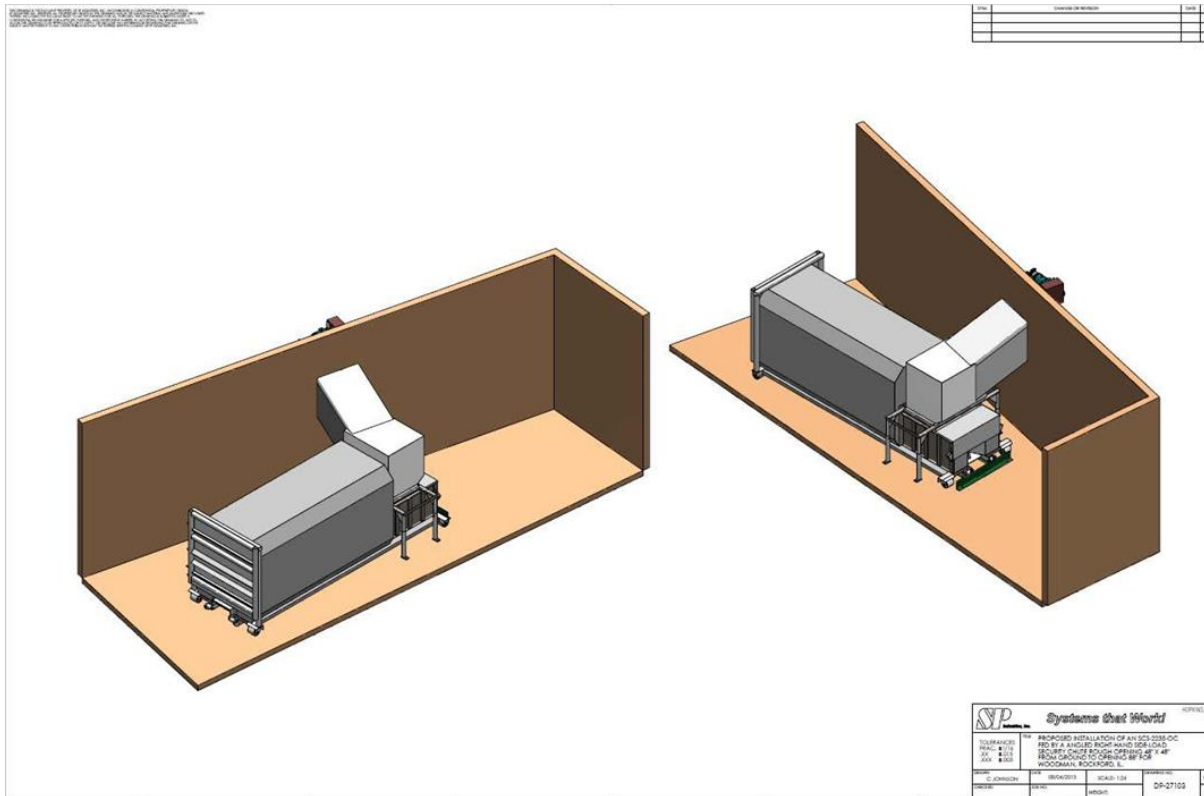
Many Sizes and Configurations

Compactor capacities from 1/3 to 13 cubic yds.

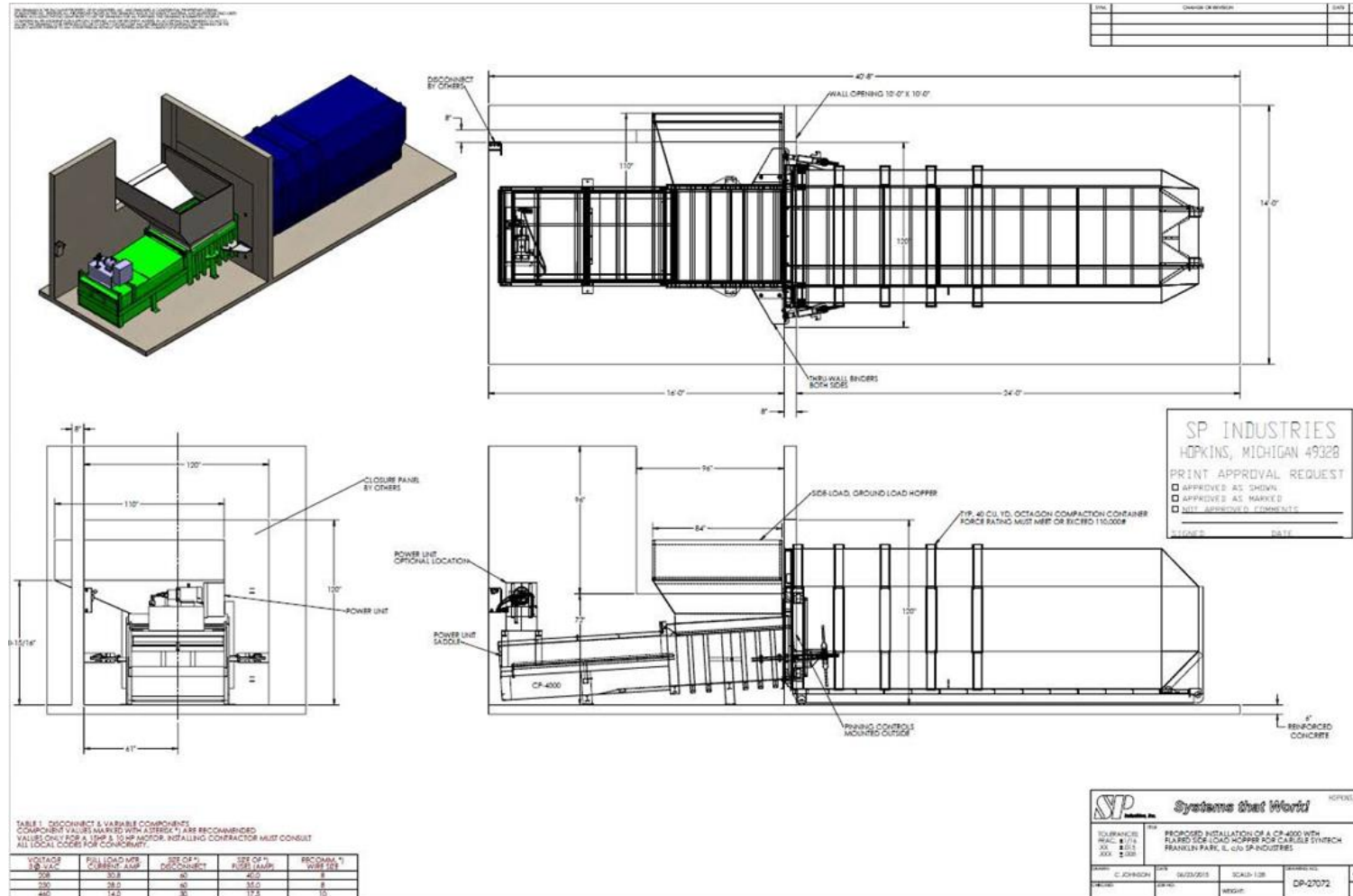




Many Different Shapes and Sizes



Many Different Shapes and Sizes



How to Select the Right Machine?

Here's what you need to know:

- What is the waste material to be handled?
- How is the material packaged?
- What are the dimensions of the largest waste material going into the machine? Dimensions of the most consistent waste stream?
- What is the volume of waste generated?
- How will the material be loaded into the machine?

What is the Waste?

Dry Waste

- Paper
- Cardboard
- Plastic
- Rubber
- Pallets/crates
- Glass
- Metals

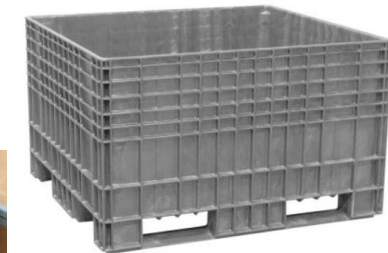
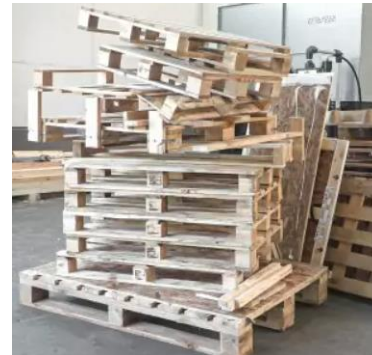
Wet Waste

- Aircraft food service waste
- Biohazard wastes from pharmaceutical manufacturers, hospitals and healthcare facilities
- Recovering and recycling industrial lubricating oils and cutting/cooling fluids
- Handling food & beverage wastes from a myriad of food manufacturers/processors, grocery distributors, restaurants, casinos, hotels, fast food courts...

How Do You Move Your Material?

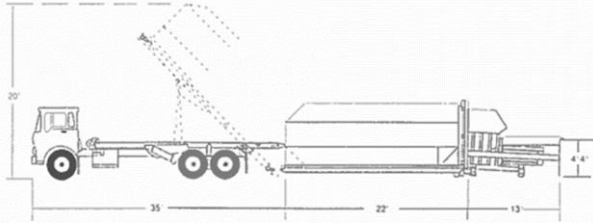
What container does it fit in?

- Gaylord box
- Pallet
- Drum
- Super Sacks
- Tote cans (65 to 90 gal.)
- Carts (1-1/2 yd to 3 yd)
- Self Dumping Hoppers



Hauler Approach

With Roll-off Self-Contained Compactor



ROLL OFF VEHICLE CONFIGURATION

Note: Approximate specifications subject to change without notice

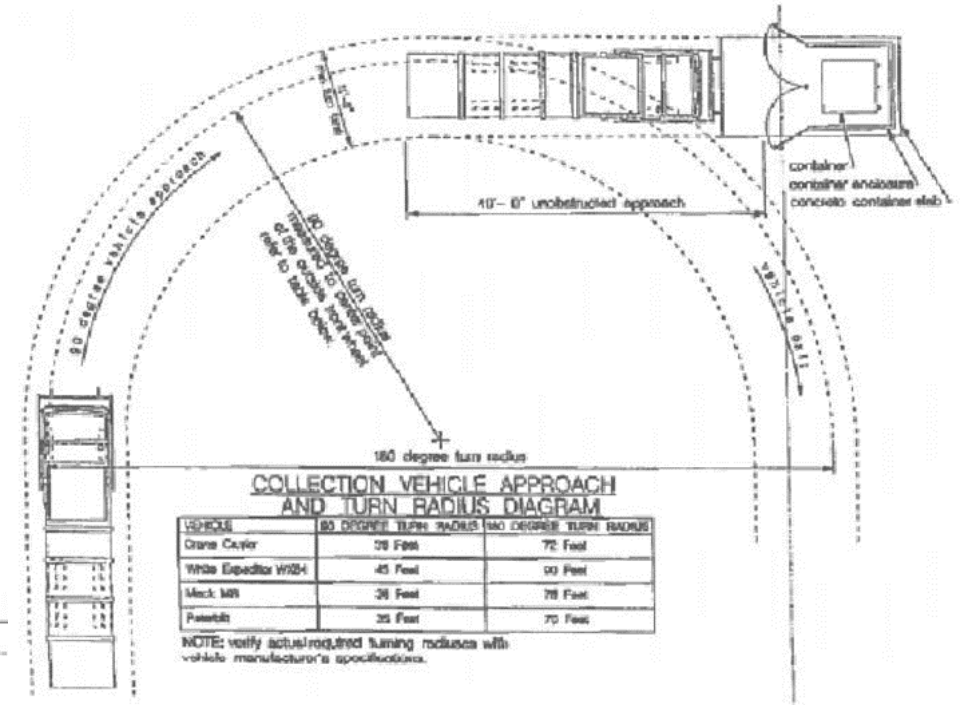
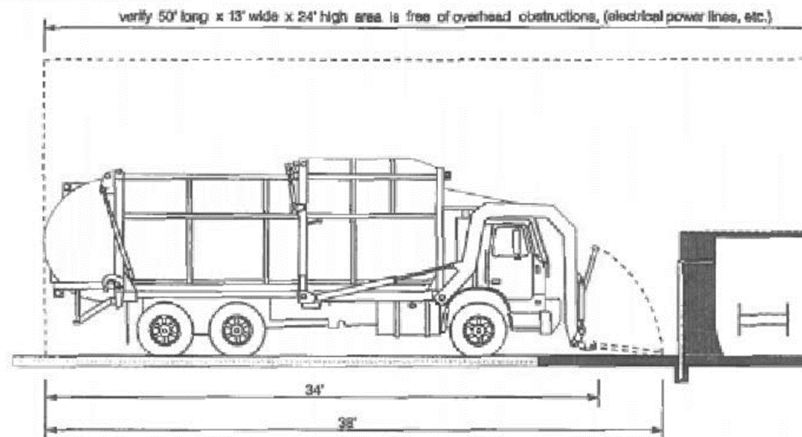
Note: Total Approach Needed = 132 ft. (Roll-Off Container)

Total Approach Needed = 145 ft. (Compactor)

Hoist Extension = 20-22 ft.

75 ft. (Approach) + 35 ft. (Truck) + 22 ft. (Roll-Off Container)

Front/Rear Load



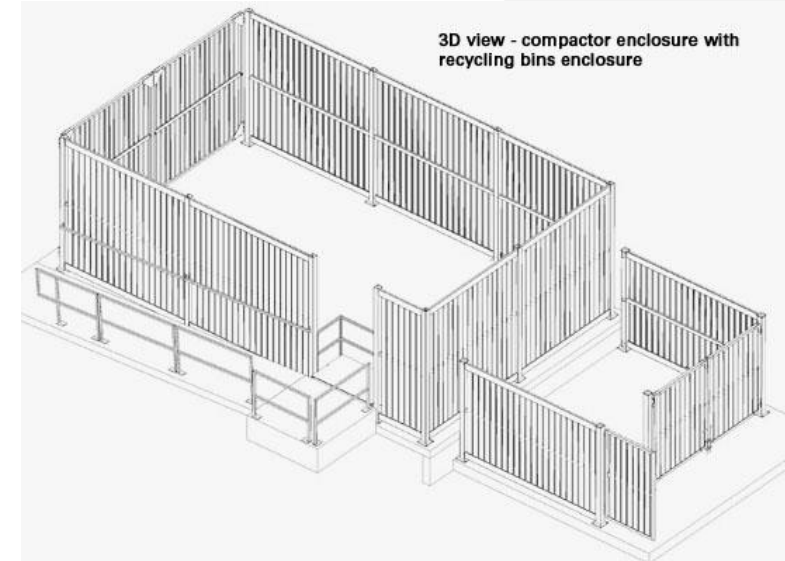
***For actual truck specifications, please contact your waste hauler.**

Machine Location

Where will the Machine Go?

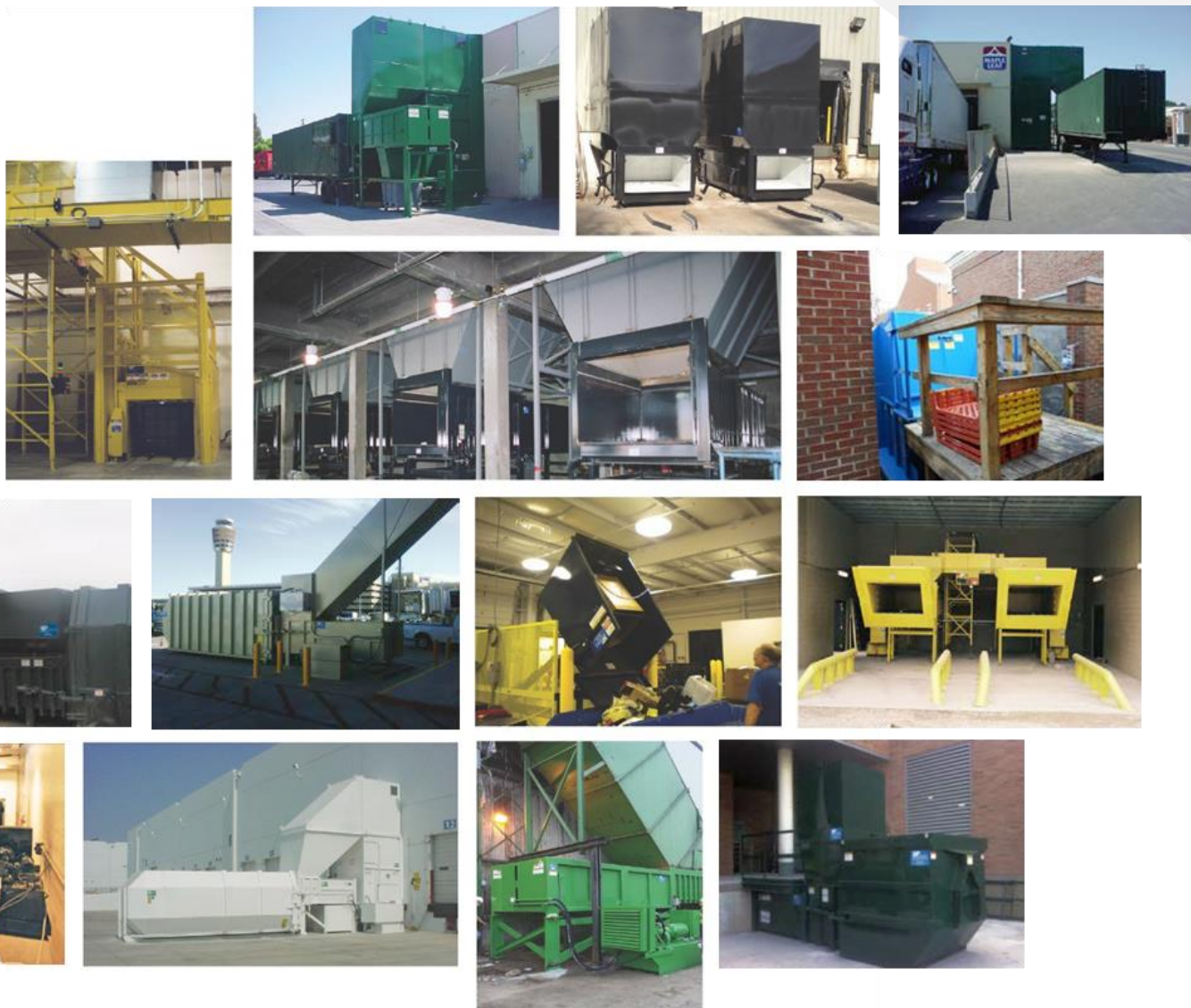
Here's what you need to know when looking at where you are going to place your equipment:

- What security concerns do you have?
- Can or how will you be able to load it in that location?
- Is it going in a Room, Attached to a Building Structure, Stand alone Outside, in Fenced Area?
- Do you have a Chute going to the equipment for loading from the Structure?
- Is weather and temperature a significant factor?
- Are there Aesthetic issues with the property and the equipment?



Diverse Applications

- Food Waste Recovery
- Coolant/Fluid Recovery
- Metal Turnings
Compaction
- De-Watering
- Chute Application
- Product Destruction
- Parts Movement Devices
- Waste/Recycling Transfer
Stations
- Hydraulic Parts Feeders
- Hydraulic Dumpers
- Self-Tipping Hoppers
- Carts
- Custom Fabrication
Projects
- Medical Waste Machines



Additional Offerings from SP Industries

- Cart dumpers
- Pre-crusher compactors
- Containers
- Specialized Fabrication Projects
- Vacuum Boxes with Auger
- Self Tipping Hoppers
- Material Parts Carts
- Specialized access and egress options, workstations and more...



We also have a wide variety of OEM Replacement parts for sale.

Meet the Team

Sales and Operation Contacts

Sales Contacts

- **Chris Dowell-Director of Sales & Business Development**
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Questions?

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