Models:

PC Series
PC-3000/PC-3000-D; PC-4000/PC-4000-D; PC-6000/PC-6000-D; PC-7000/PC-7000-D; PC-9000

- Dual cylinder design
- 57” x 48” to 76” x 124” clear top opening
- Designed to handle packaging materials, wooden skids, crates and process scraps
- Up to 292 cu.yds/hr volume displacement
- Up to 124,524/161,600 lbs. maximum force

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

Built with Pride
Saving Money with an SP Compaction System

What is Compaction all About?

Compacting material – garbage/recycling/scrap/process bi-product — is simply removing the air spaces from the materials and filling voids normally found in open-top containers. For example, a 3’ x 3’ x 3’ corrugated cardboard box takes up 1 cu.yds. of space. When compacted, it becomes a flat sheet (6’ x 6’ x 1”) and takes up a mere 0.11 cu.yds. of space. The idea is to simply remove the air, or unoccupied space, from the material being processed, therefore decreasing size & increasing density!

**Bottom Line:** Utilizing high density to reduce volume material is a more efficient and cost-effective method to handle large volumes of material.

Will an SP Compactor Help my Company?

The answer is usually yes.

- Packing more material into a container means fewer trips to the landfill, recycling center, etc. Fewer hauls equals fewer charges.
- Compaction minimizes waste stream material space on your property. For most facilities, space is a premium asset. An SP compactor system occupies less space than the open-top containers it replaces.
- Compaction keeps materials safely undercover and out-of sight — preventing it from becoming windblown debris and a source of pollution, while keeping rodents, scavengers and employees out.
- We won’t go so far as to say our compactors are pretty, but they are certainly better looking than the alternative!
- All-in-all, an SP compactor helps maintain a cleaner, more environmentally sound facility that beneficially impacts your employees, your visitors and your company. It can also cut your carbon footprint as much as 50%!
Waste Removal/Material Handling/Process Recovery

Why SP Compactors are the Best Value

Construction and Component Quality #1

All compactors on the market may serve the same function and look similar, but an SP Compactor is superior in ways that you can’t readily see unless you scrutinize the design, the construction and the component quality. Below is a list of some of the key areas that set SP compactors above the rest:

• Structural Steel Supports versus Formed Steel
• Breaker Bar Rigidity
• Thrust Beam Design
• Compaction Chamber Floor Plate
• Ram Guide System
• Hydraulics
• Electrical Components

Service. Service. Service!

• Unrivaled engineering services. We build machines to perform the job you need done, and to last. We have 30 years of exclusive engineering and manufacturing expertise — designing and building compactors for all forms of waste stream materials. Each customer has unique requirements, and we apply our knowledge and skill to provide the best overall cost and performance solution.
• Local availability through our nationwide network of factory-trained dealers and distributors
• Nationwide installation and service
• Best-in-Industry warranty program

For complete details of these features and how they add critical value to compactor design, performance and reliability — and to learn more about the different compactor equipment types and their comparative advantages — call or email us for a PDF copy of our “Stationary Compactors Design Guide”

SP’s full service parts department supplies factory direct parts for quick & reliable distribution.

All standard SP compactors are assembled in jigs to ensure squareness and the highest level of structural integrity.

SP compactors utilize the highest quality components — predominantly from USA suppliers. We also minimize the use of proprietary parts in our designs, particularly wear parts, so that all machine parts are readily available directly from SP Industries or from your local industrial supply store.
Pre crusher/Compactors

Model Design/Performance Overview

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Cu. Yds.</th>
<th>Per Hour Cu. Yds - Compactor</th>
<th>Per Hour Cu. Yds - Pre crusher</th>
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<tbody>
<tr>
<td></td>
<td>3</td>
<td>240</td>
<td>159</td>
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<td></td>
<td>3</td>
<td>169</td>
<td>125</td>
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<table>
<thead>
<tr>
<th>Cycle Time</th>
<th>Seconds - Compactor</th>
<th>Seconds - Pre crusher</th>
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<tbody>
<tr>
<td></td>
<td>36</td>
<td>51</td>
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<td>54</td>
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<table>
<thead>
<tr>
<th>Clear Top Opening</th>
<th>L x W (Inches)</th>
<th>47.75 x 57</th>
<th>47.75 x 57</th>
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<tr>
<td></td>
<td></td>
<td>(2) 6 x 4.5 x 74</td>
<td>(2) 7 x 5 x 74</td>
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<table>
<thead>
<tr>
<th>Hydraulic Cylinders</th>
<th>(Qty) Bore x Rod x Stroke (Inches)</th>
<th>Normal</th>
<th>101,780</th>
<th>124,540</th>
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<tr>
<td></td>
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<td>Maximum</td>
<td>118,780</td>
<td>161,620</td>
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<table>
<thead>
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<th>Operating Pressure (PSI)</th>
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<th>1800</th>
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<tr>
<td></td>
<td>Maximum</td>
<td>2100</td>
<td>2100</td>
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<table>
<thead>
<tr>
<th>Base Weight</th>
<th>lbs</th>
<th>13,520</th>
<th>13,870</th>
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</table>

Pre crusher Features

- 3, 4, 6, 7 & 9 cubic yard capacity models
- Designed for heavy industrial and transfer station applications
- Standard controls for pre crusher or compactor-only operation
- Up to 8 pre crush cycles allow for the break down of materials that are difficult to compact
- “Compactor Only” mode reduces the cycle time & increases throughput of refuse into the compaction container
- Integrated unit provides maximum strength and integrity
- Pre crusher gate is not an add-on to a standard compactor
- Constructed of AISI grade steel and structural steel reinforcements
- Hydraulic and electrical components specified for their reliability and availability
- Engineering and design services available for both standard and special applications
- Meets or exceeds current ANSI Z245.2 Safety Standards for Compaction Equipment
- Industry’s leading warranty: 3 years on ram and frame weldment; 1 year on hydraulic and electrical components (non pro-rated on use)

Compaction Chamber Supports

The charge chamber is constructed with AISI grade steel plates and supported with structural steel tubes on the sides as well as I-beams on the bottom. The pre crusher gate track is fabricated from 1” cold rolled steel.

Gate Front Wall and Wear Plates

The front wall of the pre crusher gate is constructed with 1/2” steel plates. The lower sections of the outside plates are removable wear liners and cylinder access panels.

Nylatron Ram Guide System

The ram guide system is constructed with a set of Nylatron blocks that run along a steel tube on each side of the ram. This guide system maintains the ram against bucking and fishtailing during operation.

Ram Wiper Blade

The floating wiper blade is a 1” x 3/8” steel bar attached to a hinged mechanism that allows it to ride on top of the ram. The wiper cleans the top of the ram during backward movement to prevent material build-up behind the ram.
### Construction Specifications

<table>
<thead>
<tr>
<th></th>
<th>PC-3000</th>
<th>PC-3000-D</th>
<th>PC-4000</th>
<th>PC-4000-D</th>
<th>PC-6000</th>
<th>PC-6000-D</th>
<th>PC-7000</th>
<th>PC-7000-D</th>
<th>PC-9000</th>
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<tr>
<td><strong>Frame Floor</strong></td>
<td>5/8&quot;</td>
<td></td>
<td>1&quot;</td>
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<tr>
<td><strong>Floor Supports</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(1) S 5 X 10#</td>
<td>(1) S 6 X 17.25#</td>
<td>(1) 8&quot; X 6&quot; X 1/2&quot; Tube</td>
<td>(1) S 6 X 12.5#</td>
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<tr>
<td><strong>Side</strong></td>
<td></td>
<td>(6) S 4 X 7.7#</td>
<td>(7) S 4 X 7.7#</td>
<td>(11) S 5 X 10#</td>
<td>(14) S 6 X 12.5#</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Side Supports</strong></td>
<td></td>
<td>3/4&quot;</td>
<td></td>
<td>1/2&quot;</td>
<td>6&quot; x 3&quot; x 1/4&quot; Tube</td>
<td>8&quot; x 3&quot; x 1/4&quot; Tube</td>
<td>8&quot; x 3&quot; x 1/4&quot; Tube</td>
<td>10&quot; x 3&quot; x 1/4&quot; Tube</td>
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<tr>
<td><strong>Main Breaker Bar</strong></td>
<td></td>
<td></td>
<td></td>
<td>1&quot; x 4&quot;  x 1&quot;</td>
<td>Face Plate</td>
<td>3/4&quot;</td>
<td>1&quot;</td>
<td></td>
<td></td>
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<tr>
<td><strong>Secondary Breaker Bar</strong></td>
<td></td>
<td></td>
<td></td>
<td>1&quot; x 4&quot; x 1&quot;</td>
<td>Floor Plate</td>
<td>3/4&quot;</td>
<td>1&quot;</td>
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</tr>
<tr>
<td><strong>Ram</strong></td>
<td></td>
<td>Side Plates</td>
<td>3/8&quot;</td>
<td>Top Plate</td>
<td>1/2&quot;</td>
<td>(11) C 5 X 6.7#</td>
<td>(13) C 5 X 6.7#</td>
<td>(15) C 6 X 13#</td>
<td>(18) C 6 X 13#</td>
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<td><strong>Guides</strong></td>
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<td>Top Supports</td>
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<tr>
<td><strong>Precrusher Gate</strong></td>
<td></td>
<td>Supports —</td>
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<tr>
<td><strong>Frame</strong></td>
<td></td>
<td>Structural Steel Tubes</td>
<td></td>
<td></td>
<td>6&quot; x 6&quot; x 3/8&quot; &amp; 6&quot; x 4&quot; x 3/8&quot;</td>
<td>6&quot; x 6&quot; x 1/2&quot; &amp; 6&quot; x 4&quot; x 1/2&quot;</td>
<td></td>
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<tr>
<td><strong>Front Wall</strong></td>
<td></td>
<td>Power Unit Dimensions</td>
<td></td>
<td></td>
<td>44&quot; W X 68&quot; L X 50&quot; H</td>
<td>44&quot; W X 72&quot; L X 55&quot; H</td>
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<td></td>
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<td><strong>Rear Wall</strong></td>
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<td>Remote Power Unit</td>
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<td></td>
<td>140 Gallons</td>
<td>200 Gallons</td>
<td></td>
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<tr>
<td><strong>Supports</strong></td>
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<td>Oil Reservoir</td>
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<td></td>
<td>18/25.5 GPM Hi/Low Vane</td>
<td>21/45 GPM Hi/Low Vane</td>
<td></td>
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<tr>
<td><strong>Oil Pump</strong></td>
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<td>Oil Pump</td>
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<td></td>
<td>190 Gallons</td>
<td>200 Gallons</td>
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<tr>
<td><strong>Motor</strong></td>
<td></td>
<td>Motor</td>
<td></td>
<td></td>
<td>30 HP 230 / 460 3 PH</td>
<td>50 HP 460 3 PH</td>
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</tbody>
</table>
Precrusher/Compactors

Standard Design Features

Remote Power Unit:
- 10’ Power Supply Cable & 10’ Hydraulic Hoses
- Oil Sight Gauge w/ Thermometer
- All-weather Hi-grade Oil (-40°F Pour Point)
- Tri-volt 3-Phase Motor

Main Control Panel:
- Automatic Multicycle System
- Full/Jam Automatic Shut-off
- Adjustable Timer Inside Main Control Panel to Set 1-8 Precrush Cycles
- Keyed Pinning Boost/Override & Precrusher Gate/Compactor Ram Jog Control Station Mounted on the Front Left Hand Side of the Machine
- Remote Control Station:
  - Key Lock On/Off Switch
  - Start Push Button
  - Stop Push Button with Container Full Light
  - Compactor/Precrusher Selector Switch

Other Features:
- Removable Rear Access Panels
- Ratchet Load Binders

Optional Hoppers, Dog Houses, Chutes, Enclosures & Deck

- Rear Load Hopper w/ 42” Load Lip
- Rear Load Hopper w/ Interlocked Gate
- Side Load Ground Load Hopper
- Side Load Dock Load Hopper w/ 42” Load Lip
- Rear Load Dog House w/ 1 Door Interlocked
- Side Load Dog House w/ 1 Door Interlocked
- Side Load Dog House w/ 2 Doors Interlocked
- Security Door & Thimble w/ Interlock Switch on 15’ Cable
- Side Load Security Chute
- Rear Load Security Chute
- Rear Load Full Enclosure
- Side Load Full Enclosure
- Walk On Deck (750# Capacity) - Up To 84” W
- Drive On Deck (5,000# & 10,000# Capacity) - Up to 96” W
- 18” Deck Extensions
- Safety Hand & Toe Rails
- Solid Side Safety Rails

Standard Controls
The remote controls consist of a Key Lock On/Off Switch, Start Button, Stop Button, Compactor/Precrusher Mode Switch, and Container Full Warning Light. This control unit is shown with an optional Hot/Low Oil Indicator and Full Light.

Pinning/Boost Override & Precrusher Gate/Compactor Ram Jog System Controls
These controls are mounted on the left-front of the compactor charge opening. This system is key activated and allows the operator to manually extend and retract the ram, raise and lower the gate, and boost the pressure for pinning the container. The Pinning/Boost Override System provides additional force to clear the compaction chamber allowing the hauler to pin the refuse load into the container for transportation.

The Power Unit is a free-standing module separate from the compactor, enabling its location to be optimized for specific installation requirements, operator convenience, and protection from weather, accidents, and vandalism.
Specialty Optional Equipment and Design Features*

**Fabrication Options**
- Through Wall Ratchet Binder Assemblies
- Hydraulic Container/Trailer Latch Mechanism
- Pinning Tunnels - 1 or 2 Tunnels
- Power Unit Weather Shield (Covers Top & Sides)
- Power Unit Cover (Covers Front/Back, Top/Bottom, Sides w/ Door)
- Breaker Bar Teeth
- Glass Wiper
- Compactor Stands for Trailer Load Applications
- Wet Pack Options (Includes: Floor Baffle, Raised Legs, Snout Ext.)
- Bar Grate System for High Volume Wood Waste
- Bar Grate System for High Volume Scrap Steel Chip/Clip
- Power Unit Saddle
- Side Access Panel(s)

**Electrical & Hydraulic Options**
- Keyed Pinning/Boost Override System w/Side Mounted Controls
- Main Controls - Mounted on Compactor w/ Cover
- Main Controls - Additional Set Mounted on Compactor w/ Cover
- Main Controls - Additional Set on 10’ Remote Cable
- Jog Controls - Remote on 10’ Cable
- Jog Controls - Mounted on Compactor
- Code Start System - Mounted in Main Panel
- Code Start System - Mounted on Compactor
- Code Start System - Remote on 10’ Cable
- Program Start System
- Photo Eye Start System
- Infrared Start System
- Sonic/Diffuser Start System
- Security Lock Latch System
- Interlock Switch on 10’ Cable
- Advance Full Load Indicator
- Flashing Strobe Warning Light
- Oil Pressure Gauge - Color Coded
- Oil Pressure Gauge
- Mounting Bracket w/ 15’ Hose for Mounting Oil Pressure Gauge
- Low/Hot Oil Shut Down w/ Indicator Combination
- Thermo Oil Heater
- Oil Cooler
- Biodegradable / Water Soluble Hydraulic Oil
- TEFC Motors
- Upgraded Power Units
- Gas/Diesel Operated Power Unit
- UL Certified Panel
- Auto Dialout Systems

* Not available on all model configurations. Consult factory for availability and to discuss your specific application requirements.
Need a Precrusher to Extract Liquids?

SP Industries dewatering precrushers can incorporate a variety of loading systems from hydraulic container dumpers to conveyors that simplify material loading, improve flow, and increase volume throughput.

Loading hoppers direct material flow into the dewatering chamber. Once liquids have been extracted, the material can be compacted or loaded into containers, or conveyed to additional processing.

Extracted liquids can be channeled to a collection system for disposal, or for additional processing to be reused or sold. Customization is the key to the most efficient and cost effective dewatering system. Standard models can be modified or special equipment can be engineered to meet unique volume, location, loading, or material requirements.

Engineered design and rugged construction with AISI grade steel and structural steel supports provide a solid, long lasting structure. Steel bar grating and relief holes in the dewatering chamber direct the liquids away from the material in the chamber toward a collection system, a minimum of 5° slope toward the rear improves the rapid liquid run-off.

- Out-perform conventional dewatering systems — wet material is pressed against a steel barrier, not against previously processed material
- Proven as a superior method for dewatering bulk material in applications for recycling, pulp/paper, and food canning & packaging
- Standard loading capacities from 3 to 9 Cu. Yds.

### Model Design/Performance Overview

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<td>Bore x Rod x Stroke</td>
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<tr>
<td>DW</td>
<td>6 x 4.5 x 72</td>
<td>10 x 7.25 x 116</td>
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<td>10 x 7.25 x 150</td>
<td>6 x 4.5 x 116</td>
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<td>D-DW</td>
<td>7 x 5 x 72</td>
<td>7 x 5 x 90</td>
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<tr>
<td>Ram Face W x H</td>
<td>60 x 30</td>
<td>48 x 24</td>
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<td>System Pressure Norm/Max</td>
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</table>
Standard Features

- Removable Access Panels
- Weatherhood/Safety Panels
- Ratchet Binder/Hooks
- Remote Power Unit
- Reservoir: 140 Gallon Capacity PC-500 & 9000 - 200 Gallon Capacity
- Oil - Suitable for Wide Temperature Range
- Oil Sight Gauge w/Thermometer
- Pump: 18/25.5 GPM, Hi-Lo, Vane PC-500 & 9000 - 21/45 GPM, Hi-Lo, Vane
- UL Listed Electrical Components
- Motor: 30 HP 230/460 or 208 3 PH PC-500 & 9000 - 50 HP 230/460 3 PH
- Automatic Multicycle System
- Full/Jam Automatic Shut-Off
- Adjustable Timer Inside the Main Control Panel to Set 1-8 Precrush/Dewater Cycles
- Adjustable Timer Inside the Main Control Panel to Set Precrush/Dewater Hold Time
- Keyed Pinning Boost Override & Precrusher Gate/Compactor Ram Jog Control Station Mounted on Side of Machine
- Remote Control Station: Key Lock On/Off Switch
  Start Push Button Container Full Light
  Stop Push Button
  Compactor/Precrusher Selector Switch

Optional Features

- Deck - 10,000# Capacity
- Safety Handrails
- Safety Gate with Interlock
- Side or Rear Load Hopper
- Full Enclosures
- Hydraulic Cart Dumper Loading System
- Pinning Tunnels Built into Ram Face
- Container or Trailer Guide System
- Through Wall Ratchet Binder System
- Safety Interlock System
- Deodorizer Spray System
- UL Certified Panel
- TEFC Motors
- Low / Hot Oil Shutdown with Indicator
- Thermo Oil Heater
- Oil Cooler - Standard on PC-350-DW & PC-500-DW
- Power Unit Weather Cover
- Custom Sizes, Loading/Unloading, Materials

Contact SP Industries for Additional Customization

Construction Specifications

<table>
<thead>
<tr>
<th></th>
<th>PC-3000-DW</th>
<th>PC-350-DW</th>
<th>PC-4000-DW</th>
<th>PC-4000-D-DW</th>
<th>PC-500-DW</th>
<th>PC-5000-DW</th>
<th>PC-6000-DW</th>
<th>PC-6000-D-DW</th>
<th>PC-7000-DW</th>
<th>PC-7000-D-DW</th>
<th>PC-9000-DW</th>
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<td>(1) S 5 x 10#</td>
<td>(1) S 5 x 10#</td>
<td>(1) 8 x 6 x 1/2 Tube</td>
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<td>Secondary Breaker Bar</td>
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## Precrusher/Compactors

### Dimensions

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<tr>
<th>Model</th>
<th>Width (inches)</th>
<th>Depth (inches)</th>
<th>Height (inches)</th>
<th>Clear Top Opening Width (inches)</th>
<th>Clear Top Opening Depth (inches)</th>
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</table>

**Dimensions are for reference only. For detailed critical tolerance issues, please consult factory.**
Working from our extensive range of compactor designs, standard and optional features, and custom engineered solutions, each compactor we build is seamlessly tailored to meet the customer’s exact requirements. We are confident that SP Industries compactors offer the best overall cost and performance solution for heavy-duty, long-life compaction and waste handling.

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

Built Tough. Built Better. **Built to your Needs.**

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

- Beige
- Medium Brown
- Yellow
- Medium Green
- Medium Gray
- Medium Blue
- Dark Brown
- Red
- Dark Green
- Dark Gray
- Dark Blue

Above: Side loading industrial unit with ground level loading for transfer station application

Left: Industrial unit with extended snout for added container penetration
“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.