



Custom Conveyor  
Corporation

The System Professionals



# Conveyor Distribution Solutions

*Not just one solution  
- **The right Solution.**  
A Total Material Handling  
Solutions Supplier*



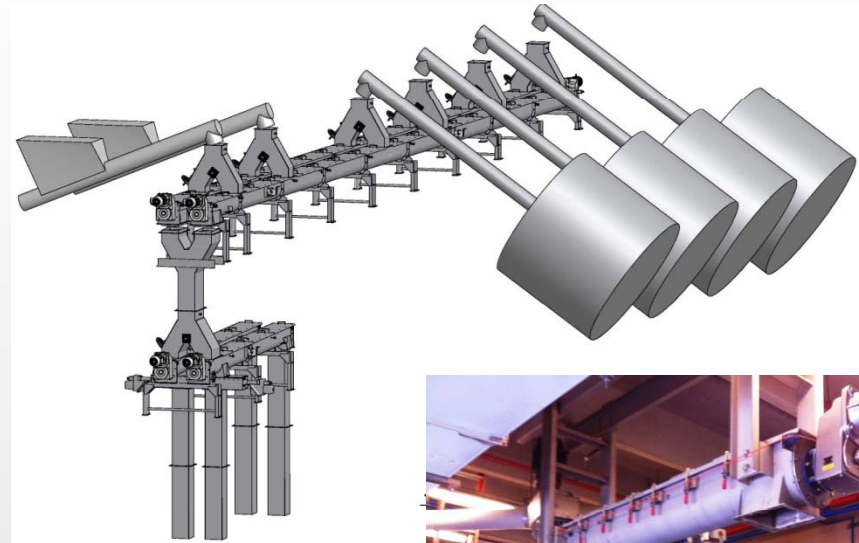
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# Conveyor Distribution

## CONVEYOR Types

- Screw Conveyor – **Shafted**
- Screw Conveyor – **Shaftless**
- Belt Conveyor – **Troughing**
- Belt Conveyor – **Sidewall**
- Belt Conveyor – **Sandwich**
- Pneumatic - **Lime**

Horizontals  
Incline  
Vertical shaftless  
Vertical curve belt  
Radial stacker  
Shuttle  
Live bottoms







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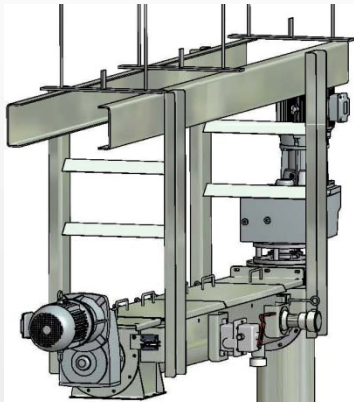
## Conveyor Distribution

### Single discharge point conveyor

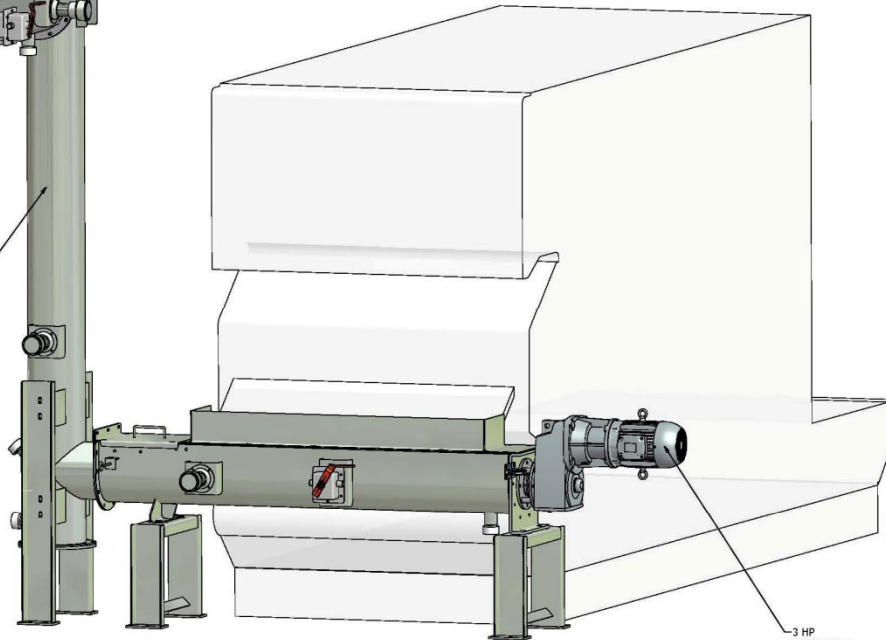
#### Small plant applications

Many applications only require  
a single discharge point.

Conveyor types from top right, clockwise:  
a **Sandwich** belt, **Toughing** into inclined  
**Sidewall**, **Shafted** and **Shaftless** vertical.



VERTICAL TUBULAR-  
SHAFTLESS CONVEYOR



3 HP  
DRIVE UNIT

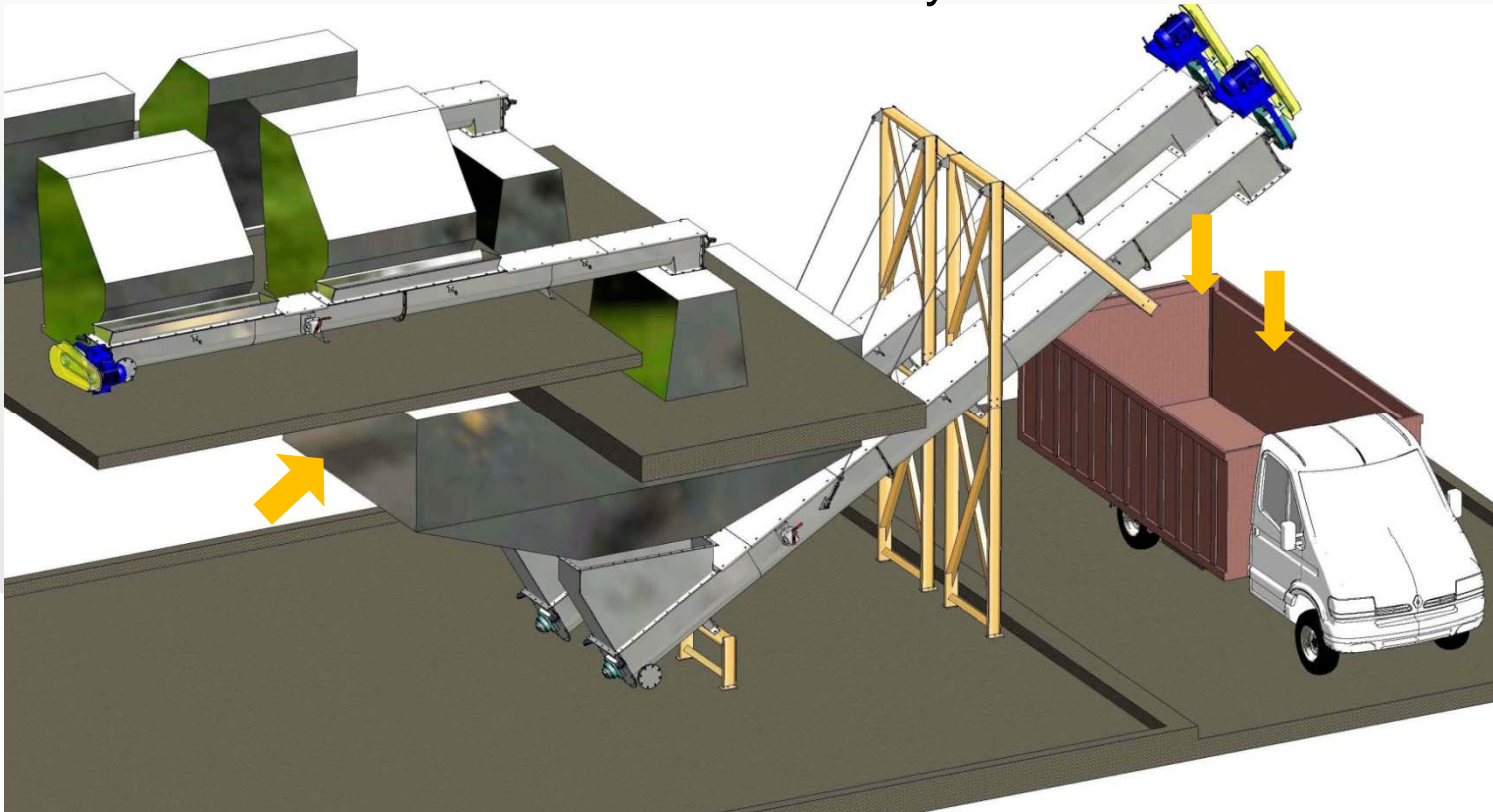




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## Conveyor Distribution

### Single discharge point from twin redundant conveyors



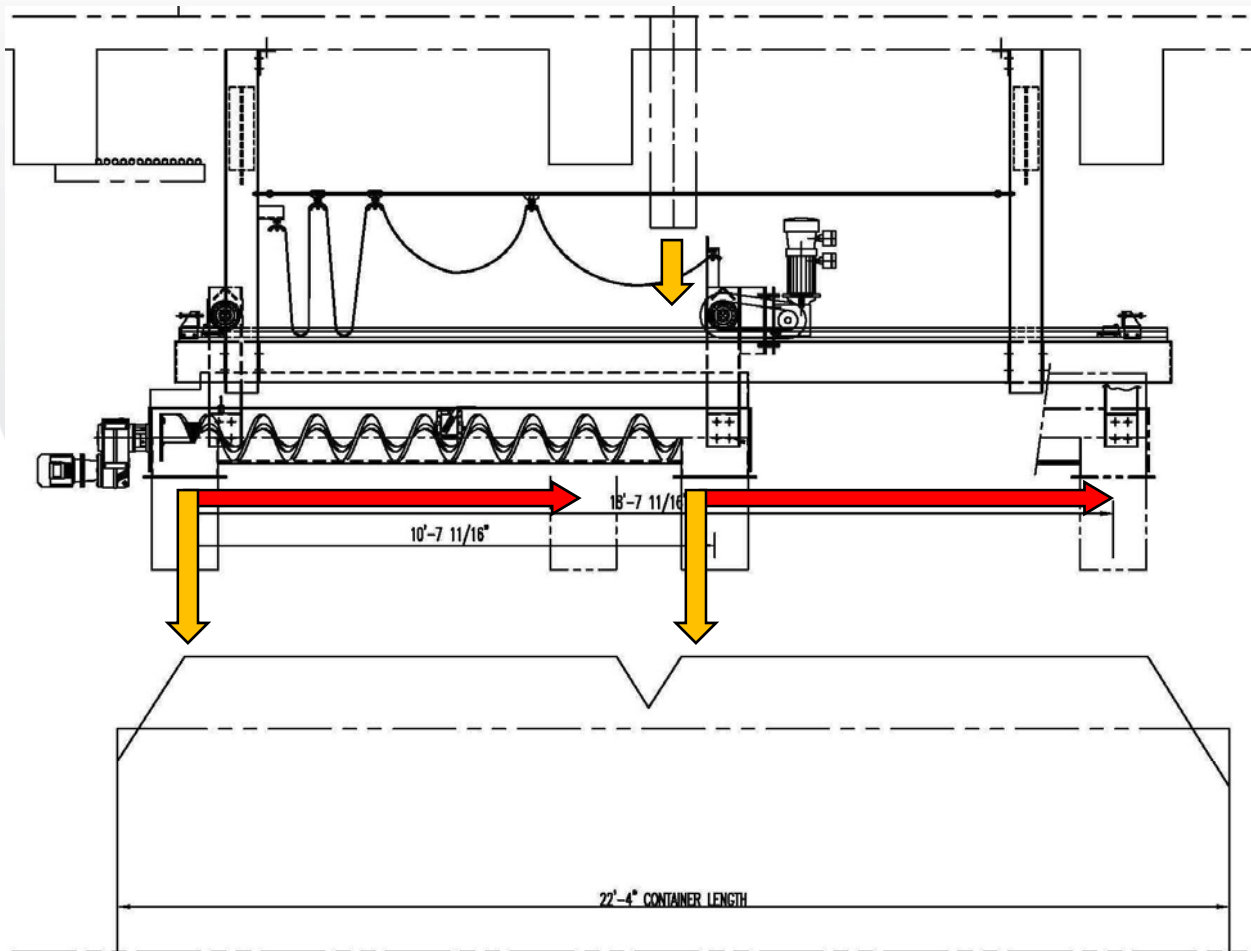
This application utilized an optional Hopper to store sludge and connect twin conveyors to create a redundant system and give the plant two discharge points.



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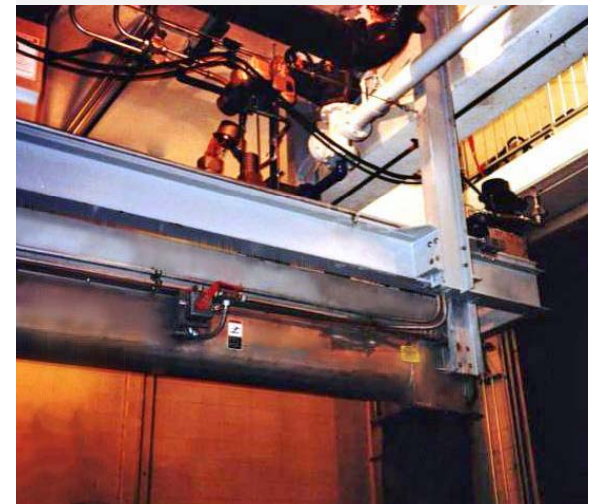
## Conveyor Distribution

### Single discharge point from Shuttle Screw conveyors



#### Advantages:

- Can fill container evenly throughout
- Reversible
- Does not need gates



In **Green Bay, WI** this 12' shaftless shuttle conveyor completely fills a 22' container.





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# Conveyor Distribution

## Single discharge point from Shuttle Belt conveyors



### Advantages:

- Can fill container evenly throughout
- Reversible
- Does not need multiple gates

Overhead view of  
**Commerce MI** system  
with four shuttle belt  
conveyors surrounded  
by a grated mezzanine.

Driven flanged wheels  
on rails and electrical  
festoons give the  
conveyors mobility.



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## Conveyor Distribution

### Single discharge point from Radial Stacker conveyor



### Large radius storage stacker

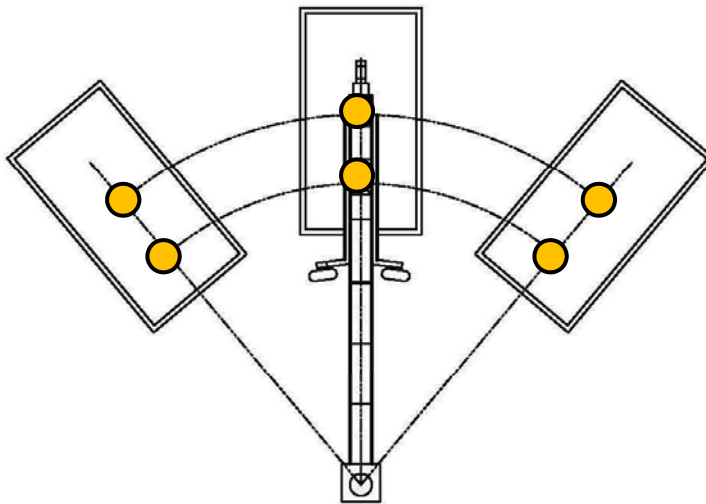
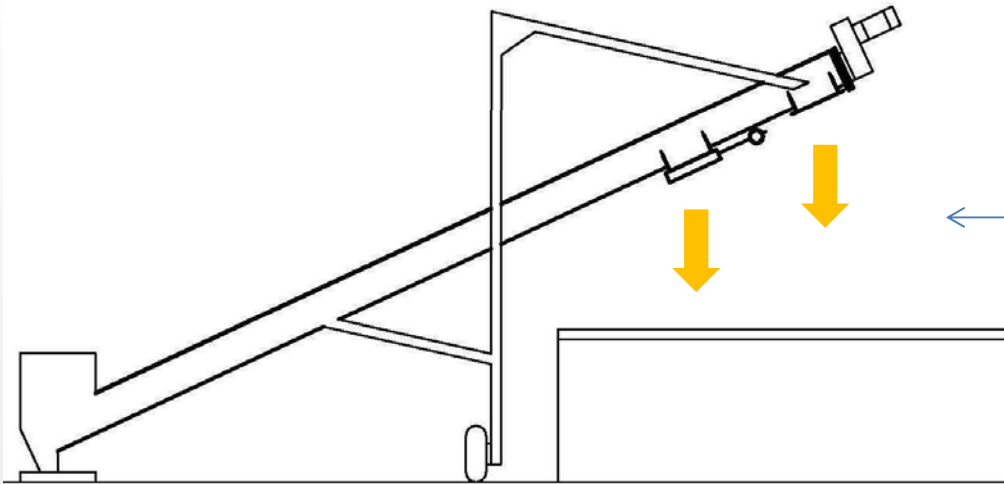
- Creates continuous radial stacked pile
- Can utilize belt or screw conveyor
- Can feed one or multiple bins
- Motorized drive wheels
- Articulating option



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## Conveyor Distribution

### Dual discharge point from Radial Conveyor



- Utilizes multiple discharge points
- Can utilize belt or screw conveyor
- Can feed one or multiple bins
- Expandable for future bins
- Motorized drive wheels
- Articulating option

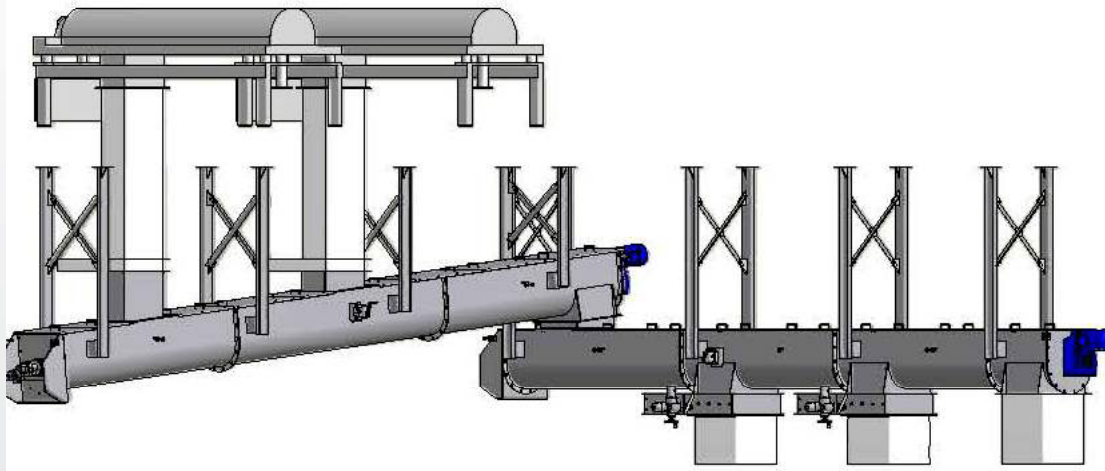




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## Conveyor Distribution

### Multiple discharge point conveyor for trailer or bin loading



#### Truck or Bin Loading Systems

- Conveyors may be supported from overhead or from floor elevation.
- Slide Gates send sludge to the needed point of discharge.
- Gates may be operated manually, by a timer or automatically by ultrasonic sensors.



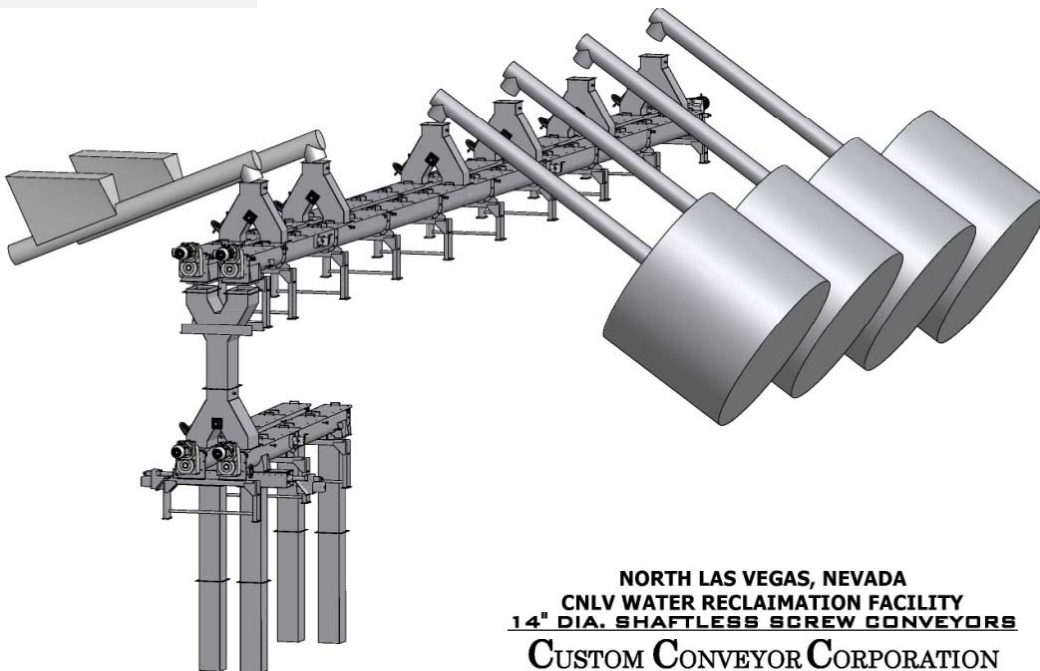
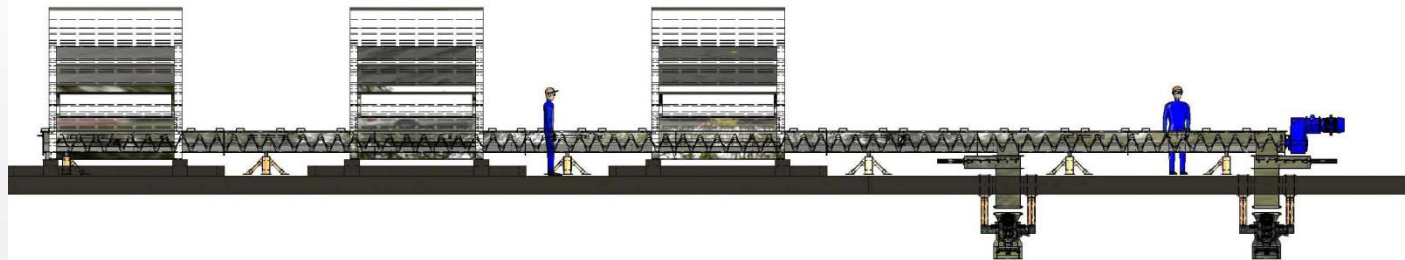
Dewatered Sludge  
North Oconee WRF, Athens, GA.



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## Conveyor Distribution

### Multiple discharge point conveyor for trailer or bin loading



### Truck or Bin Loading Systems

- Large plants need redundancy and flexibility to insure continuous operation.

NORTH LAS VEGAS, NEVADA  
CNLV WATER RECLAMATION FACILITY  
14" DIA. SHAFTLESS SCREW CONVEYORS  
CUSTOM CONVEYOR CORPORATION



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# Conveyor Distribution

## Multiple point distribution by slide gates



### Slide Gate Discharges

For truck, bin, hopper & silo loading applications.

Gates can be **actuated** manually, pneumatically, hydraulically or electrically.

Gates can be **controlled** manually, with timers, or automatically with ultrasonic sensors. Sensors detect when the container is full and divert the material to the next available discharge point.





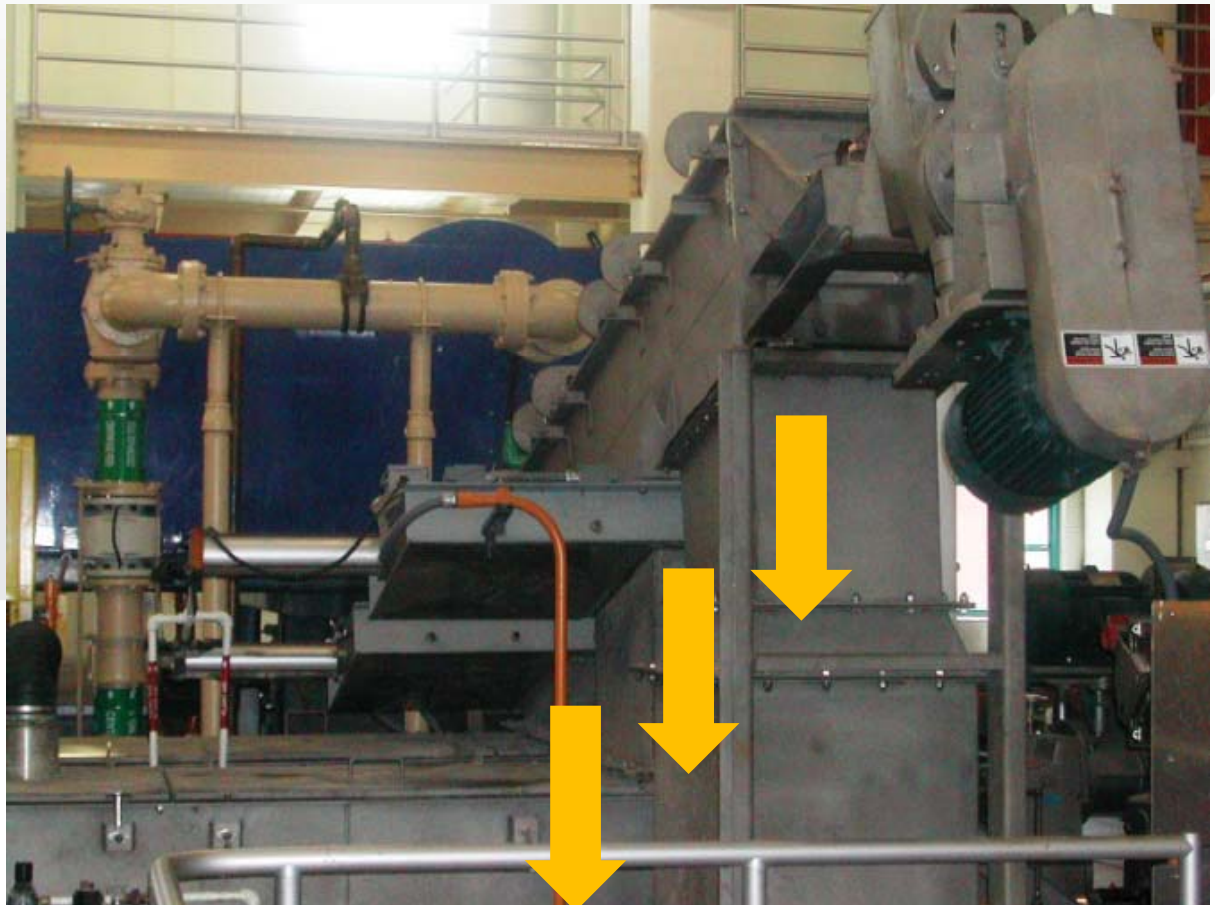
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# Conveyor Distribution

## Distribution to Multiple Conveyors

**A single conveyor distributes to multiple conveyors.**

- A shafted conveyor was utilized for multiple close trough opening discharge points.
- A shaftless conveyor would not have enough trough bottom area to support the spiral to achieve this.

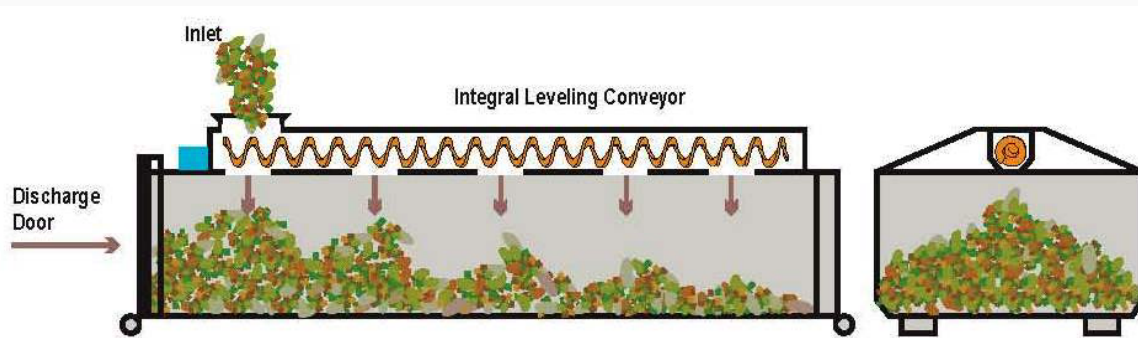




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# Conveyor Distribution

## Distribution conveyor in a self contained bin



### **AugieDumpster Solution**

efficient filling,  
odor containment &  
clean transport.

- **Automatically Filling**  
Efficient use of space  
100% full
- **Versatile**  
Sludge, Screenings, grit +
- **Moisture & Odor Tight**  
Completely Enclosed
- **Sealed Dump Doors**  
Truck Transportable
- **Self Contained electrical**  
Quick disconnect
- **Airtight retractable chute**  
Available option







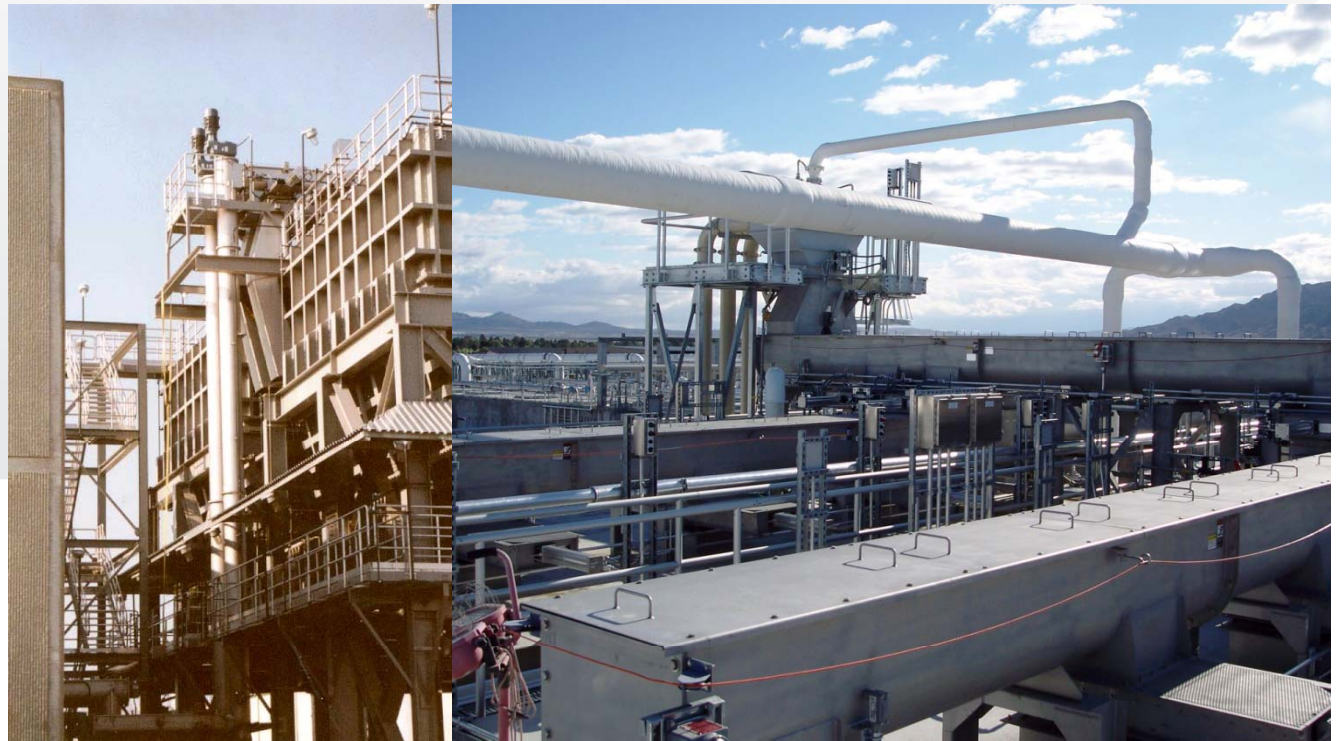
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# Conveyor Distribution

## Distribution to Hoppers & Silos

Conveyors distribute sludge into large storage hoppers

- Vertical shaftless conveyors are often utilized to lift sludge to the top of a hopper or silo.
- Distribution conveyors fill the container similar to trailer and bin distribution conveyors.



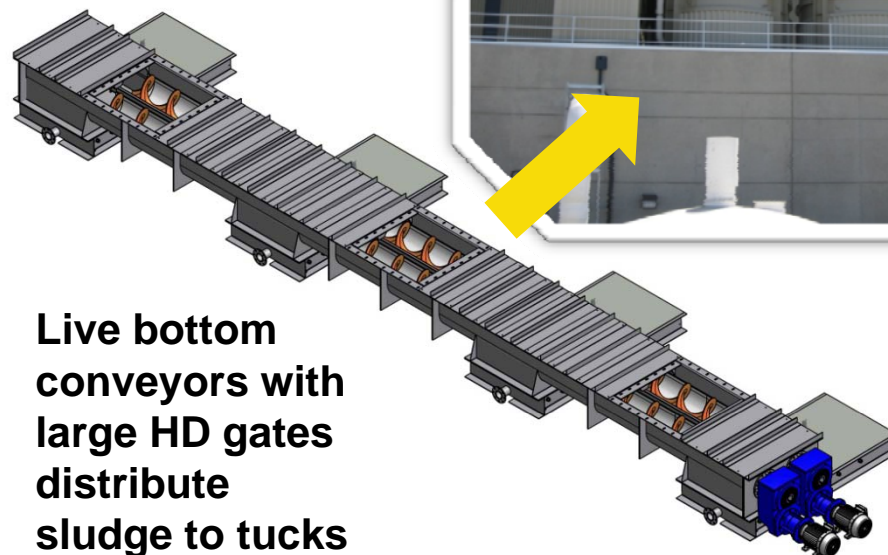
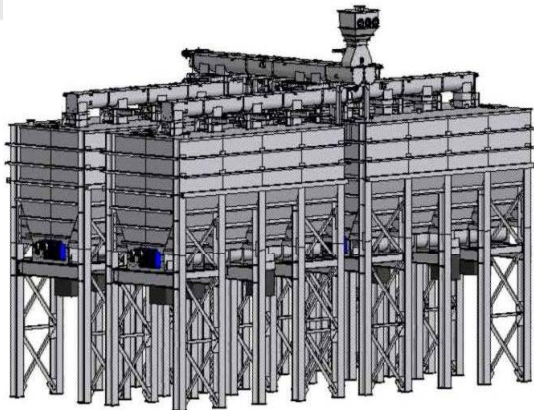




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# Conveyors Distribution

## Distribution from Hoppers & Silos



**Live bottom  
conveyors with  
large HD gates  
distribute  
sludge to trucks**



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# Conveyors Distribution

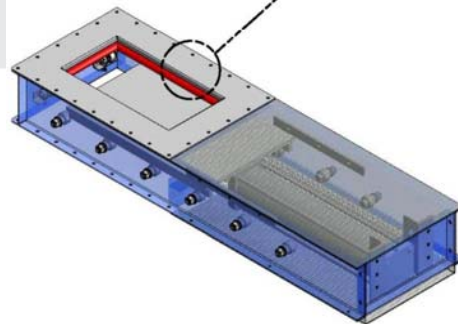
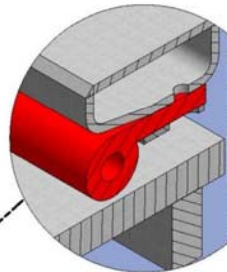
## Distribution from Hoppers & Silos

Hopper gates require specially designed gates that withstand high overhead pressure.

- High volume discharges
- Leak proof gate design

**CUSTOM**  
**QuadSeal® Gate**  
LEAK-PROOF, DRIP-PROOF

This unique Silo and Hopper live bottom discharge gate is Warranted not to Leak or Drip under 30 ft of Sludge Head Pressure using our unique j-Bulb Design.





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# Conveyor Distribution

## Experience

**Custom Conveyor Corp** offers 25+ years experience manufacturing in our own fully equipped facility. We are the industry Leader with 3000 installations and 100 miles of conveyors uniquely offering versatility for the *correct conveying solution* for your application -

**Belt · Pneumatic · Shafted screw · Shaftless spiral**

## Quality

**Custom Conveyor Corp** *continuously invests* in the equipment and skilled staff for continued quality, product improvement, and growth. We offer many proprietary conveyor components including radius formed trough tooling and the world's Highest quality Spirals

## Reliability

**Custom Conveyor Corp** *has thousands of trouble free installations.* We offer the Industry leading five year warranty on shafted XLM bearing and shaftless spiral drive train and three year warranty on shaftless liners.

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*Your Total Material Handling Solutions Supplier*