

# THEREC

*Company Profile*



***Total Package, Design & Built, for Pneumatic Conveying & Powder Processing***

***Power & Bulk Processing & Monitoring of***

***Bulk & Powder Material Silo Managing System***

***Bulk & Powder Raw Material Receipting System***

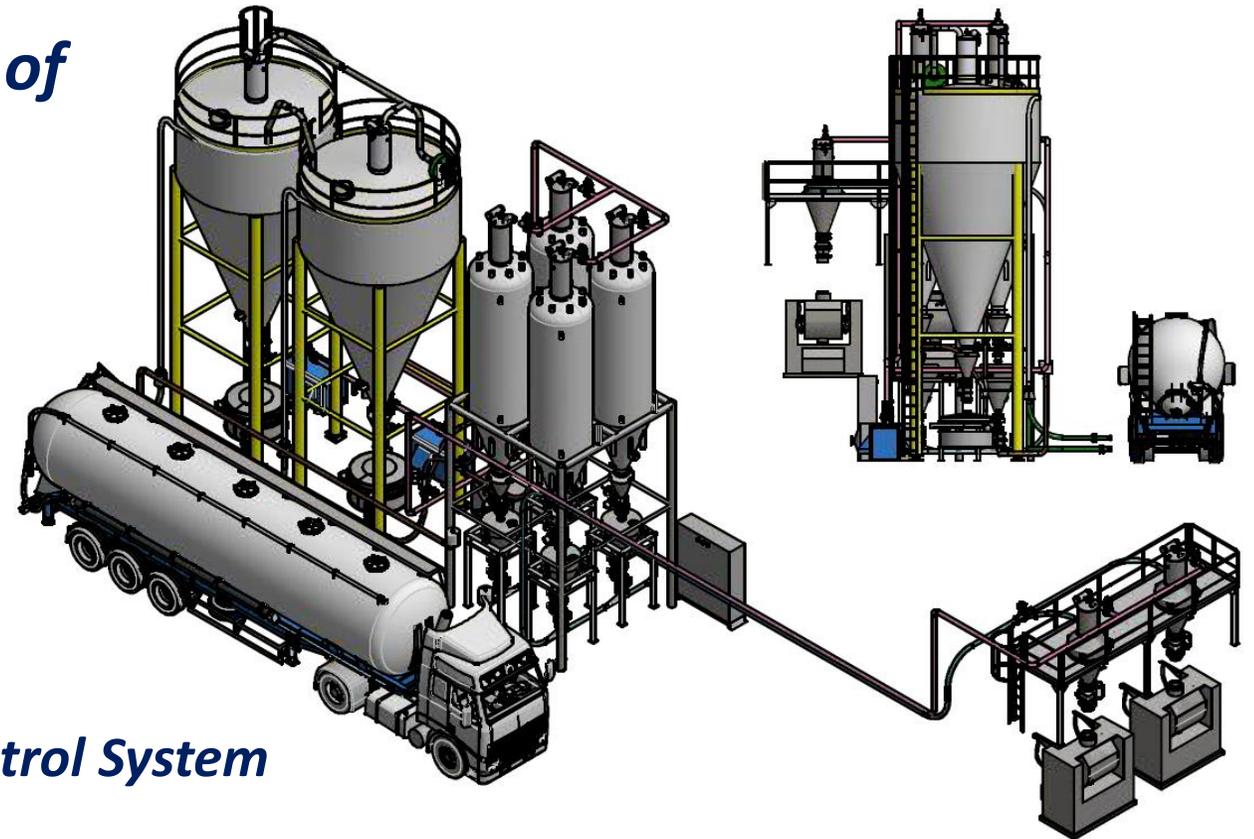
***Raw Material Weighting System***

***Powder Mixing & Screening System***

***Extruding Material Handling System***

***Bulk & Powder Material Bag Filling System***

***Bulk & Powder Material Production Process Control System***



# ***Pneumatic Conveying System of***

***Silo Loading & Unloading System***

***Bulk Truck Loading & Unloading System***

***Big Bag & Small Bag Unloading System***

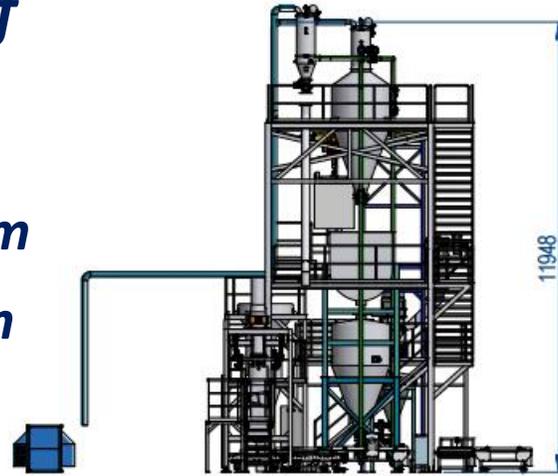
***Mixer Loading & Unloading System***

***Tote Bin Loading & Unloading System***

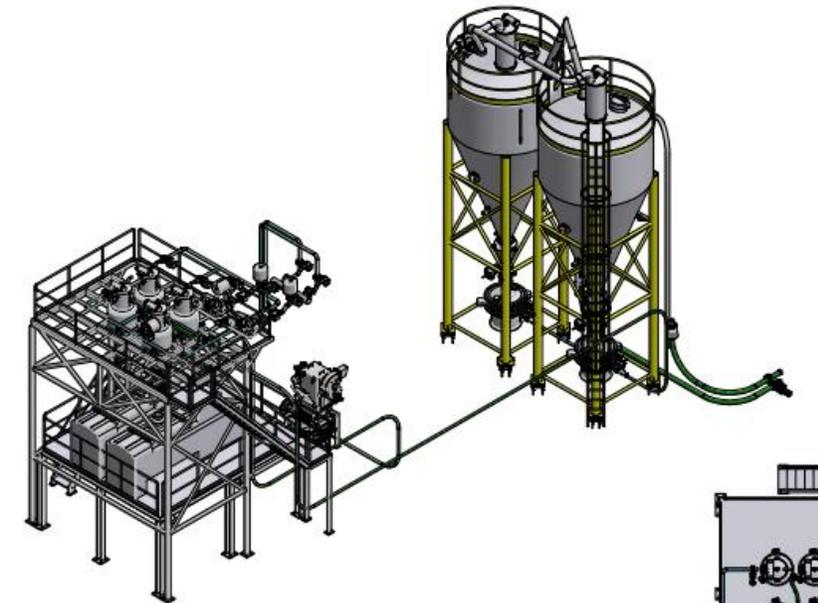
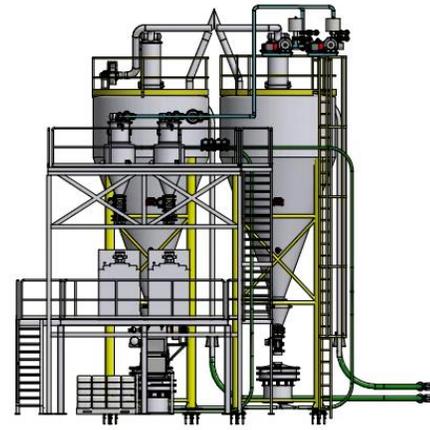
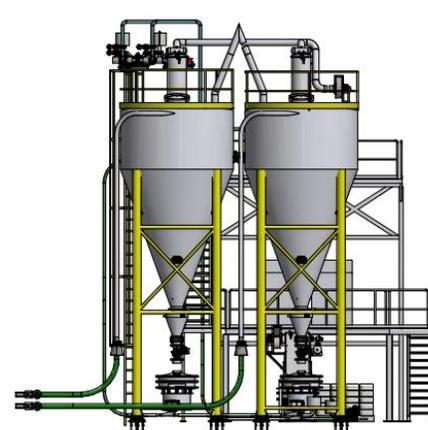
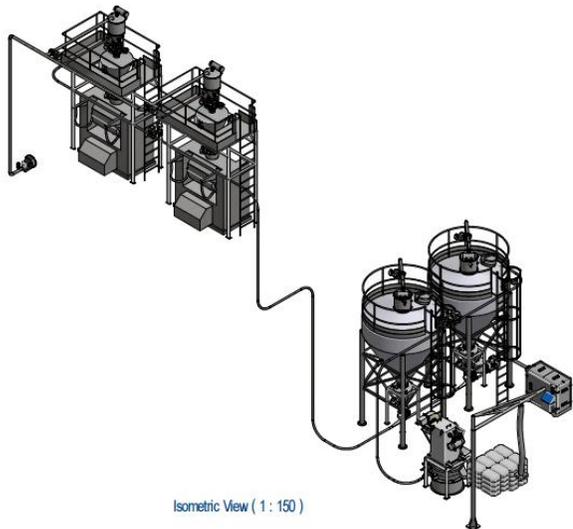
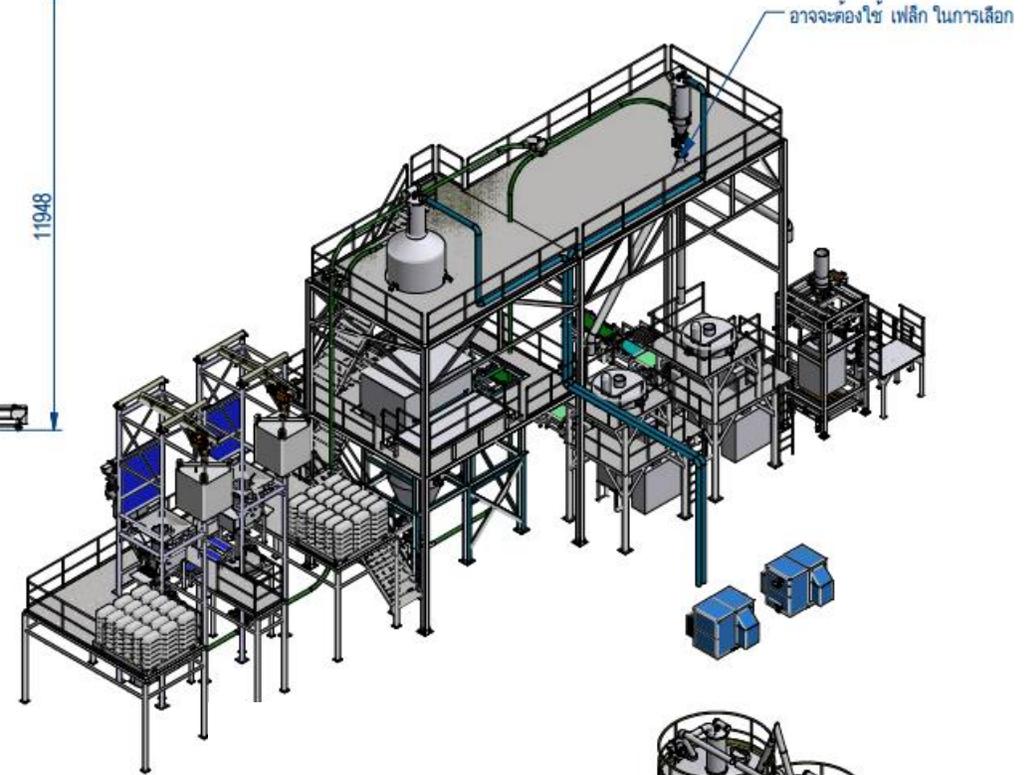
***Extruder Loading System***

***Packing & Filling Machine Loading System***

***Production Line & Production Machine Loading System***



Isometric View ( 1 : 200 )



# ***Total Package, Design & Built, for Plastic Powder & Pellet Handling Process***

***Plastic Sea Bulk Loading / Container Loading / Bulk Truck Loading / Big Bag Filling & Weighting System***

***Plastic Bulk Truck Unloading / Container Unloading / Big Bag & Small Bag Unloading System***

***Plastic Tank & Silo Loading, Unloading and Weighting System***

***Plastic Manufacturing Process, Powder & Pellet Pneumatic Conveying & Weighting System***



# **Total Package, Design & Built, for Plastic Powder & Pellet Handling Machine**

**Silos / Tanks / Hopper / IBC Bin / Receiver / Dumper / Bag Filter / Cyclone, Maker**

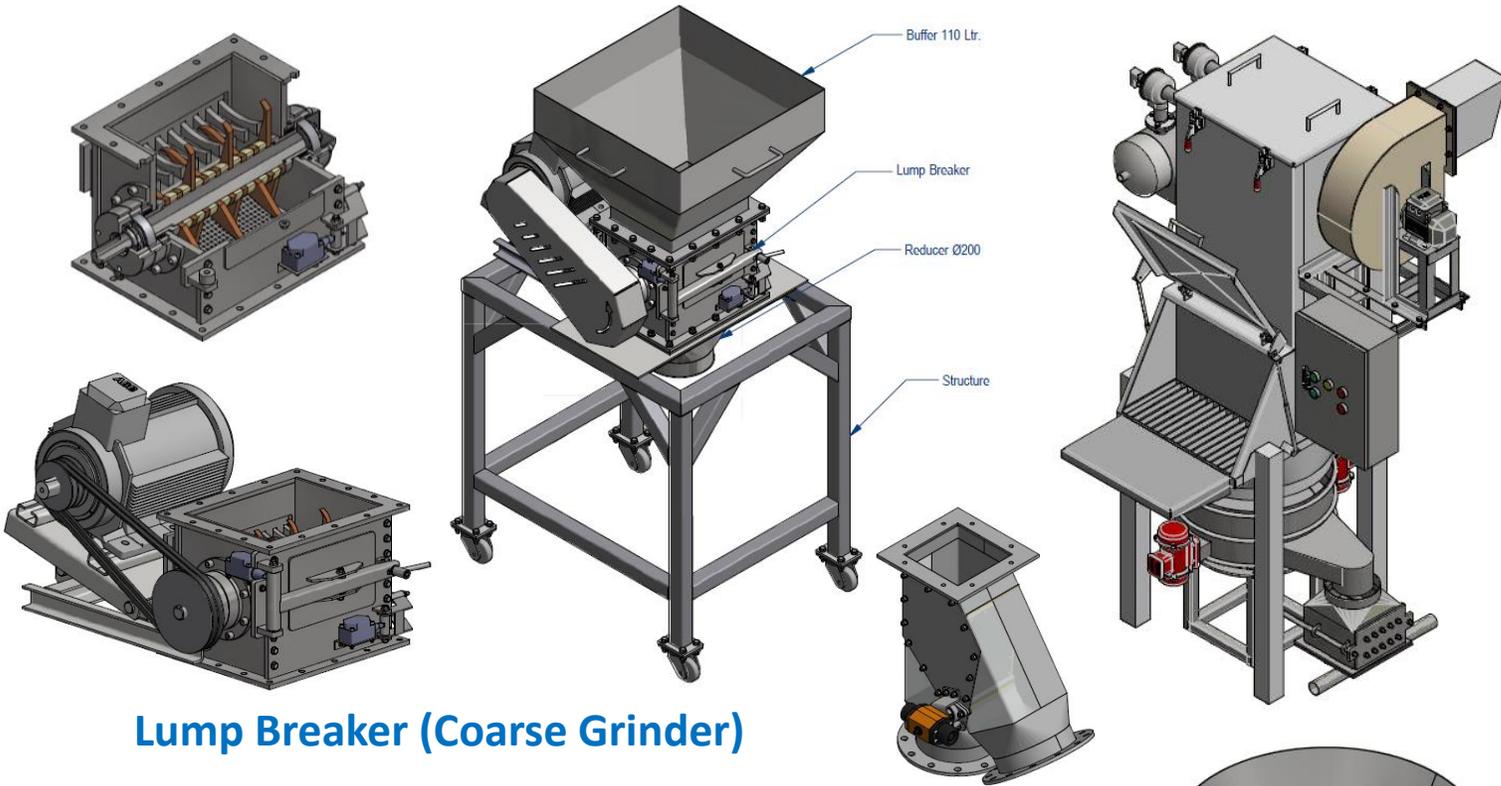
**Big Bag Unloading Station / 25 kg Bag Dumping Station / Tote Bin (INC BIN) Unloading Station, Maker**

**Big Bag Filling Machine / 25 kg Bag Filling Machine / Process Weighting Station, Maker**

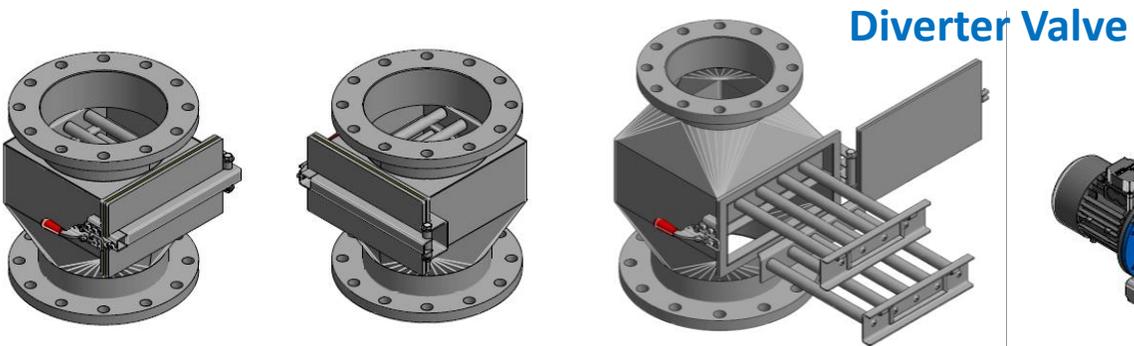
**Pneumatic Conveying Component, Rotary Valve / Diverter Valve / Lump Breaker / Blower Package, Maker**



# Powder Handling Machine & Component



**Lump Breaker (Coarse Grinder)**

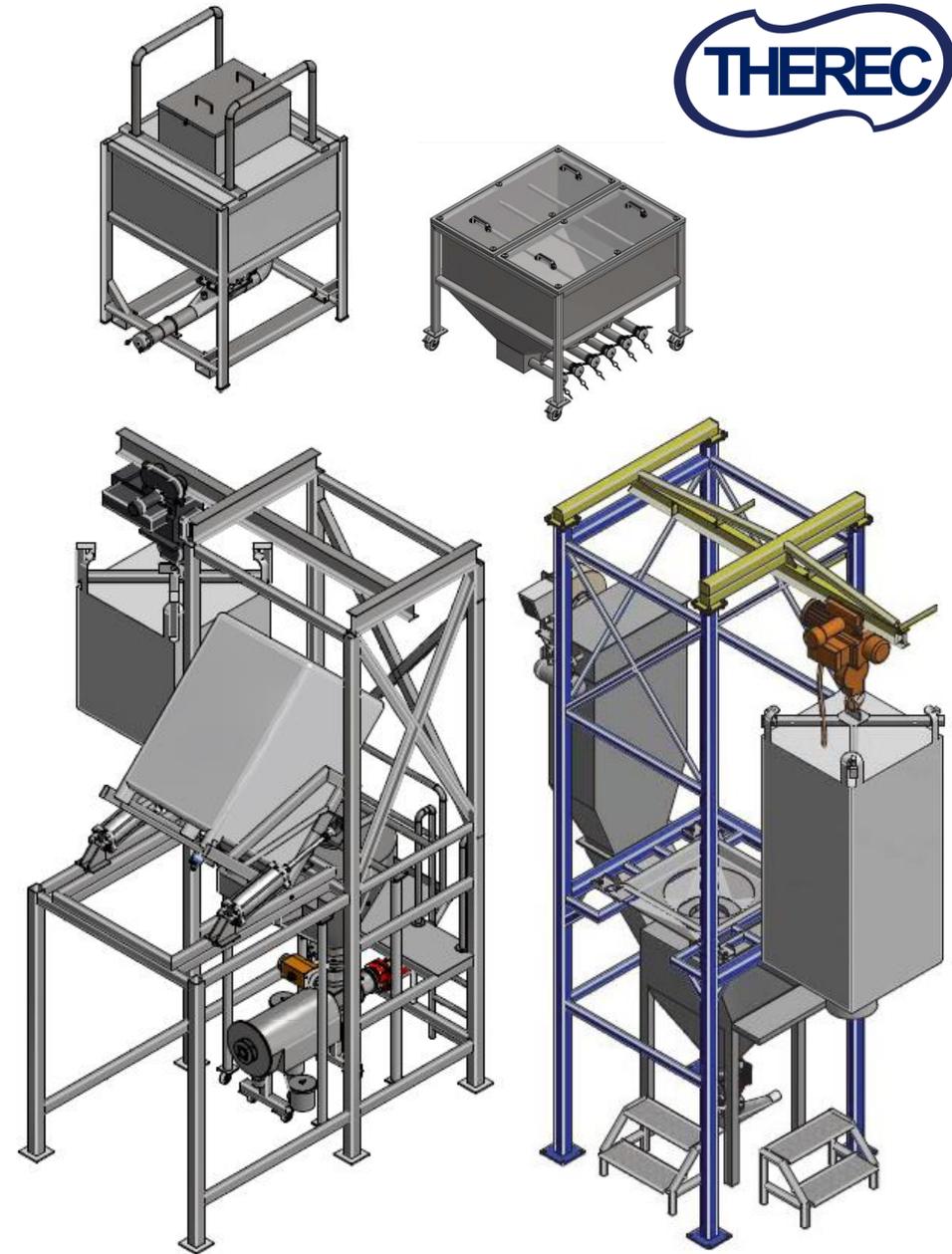


**Diverter Valve**

**Magnetic Separator**

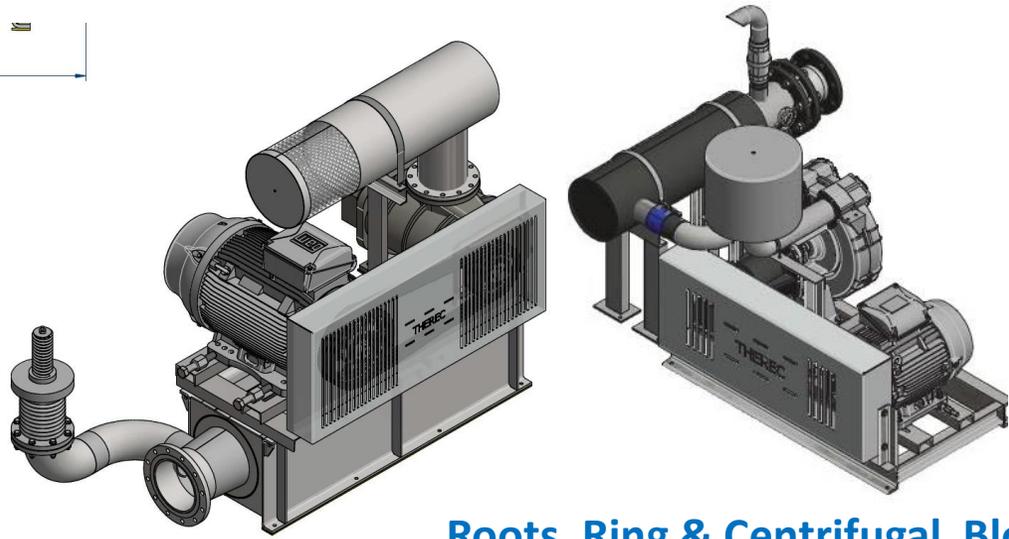


**Bridge Breaker**

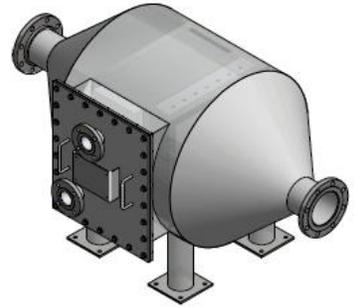
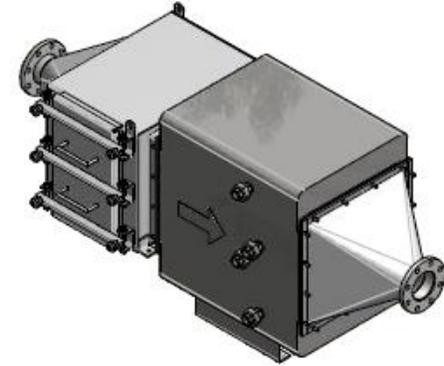
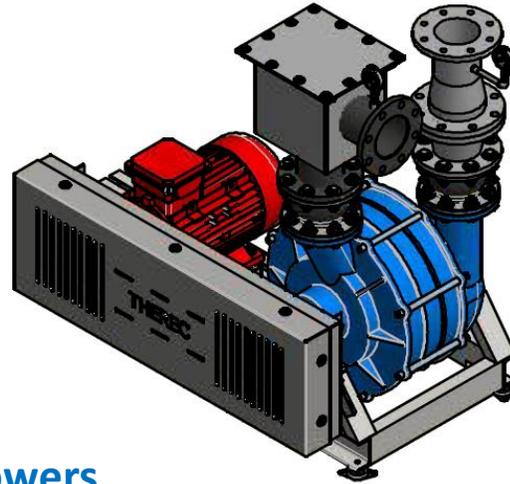


**Bag & Bin Unloading Station**

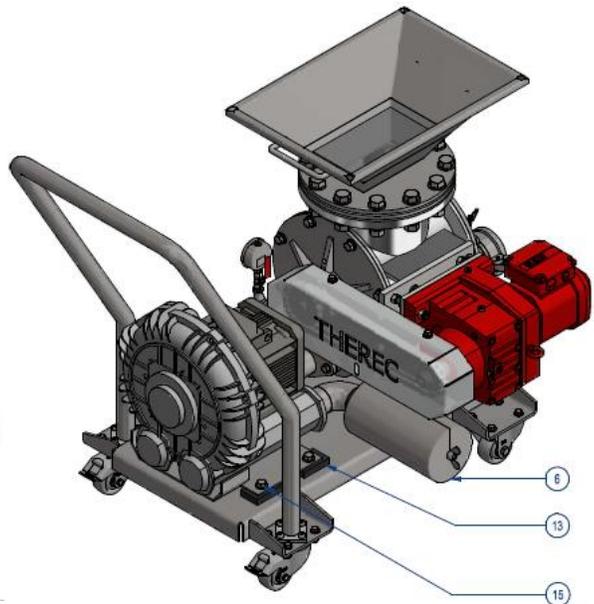
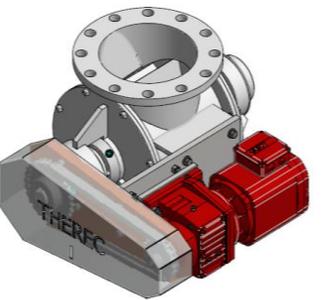
# Pneumatic Conveying Machine & Component



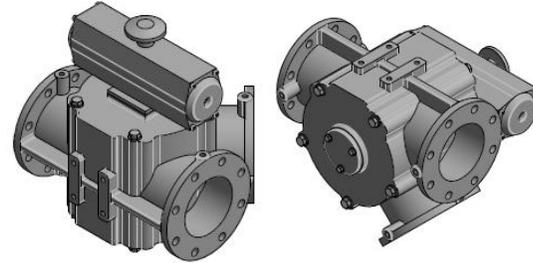
Roots, Ring & Centrifugal Blowers



Air Cooler, Filter & Dryer



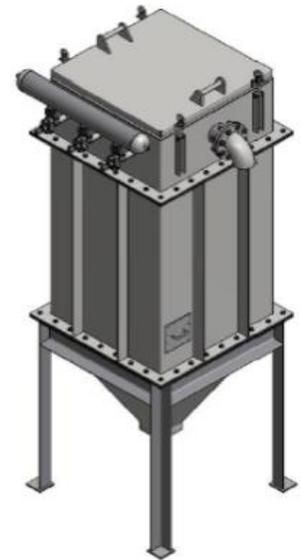
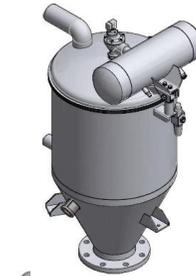
Air Lock Rotary Valve



Diverter Valve

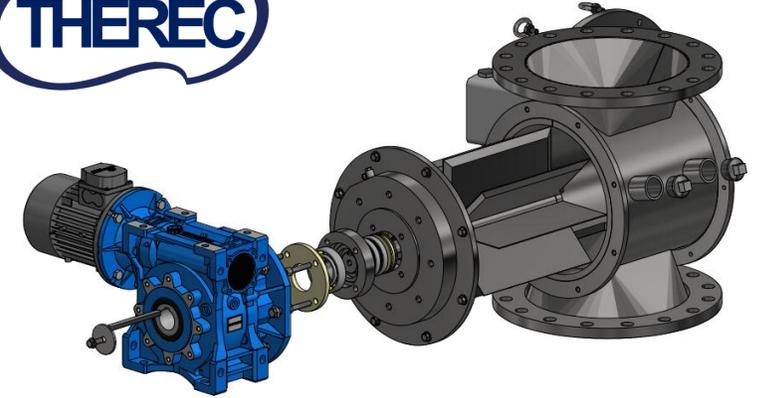
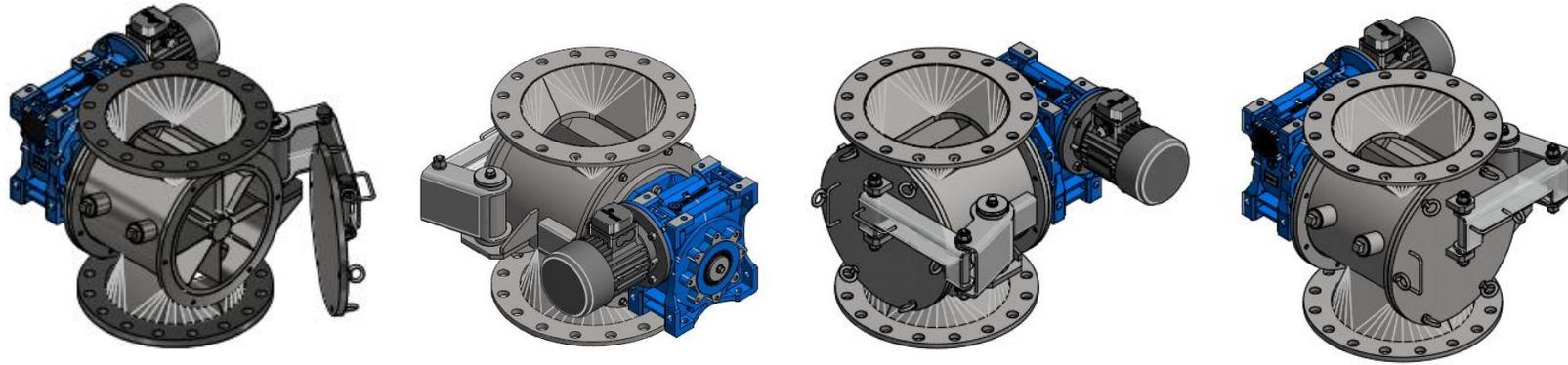


Tube, Bend, Ejector & Coupling

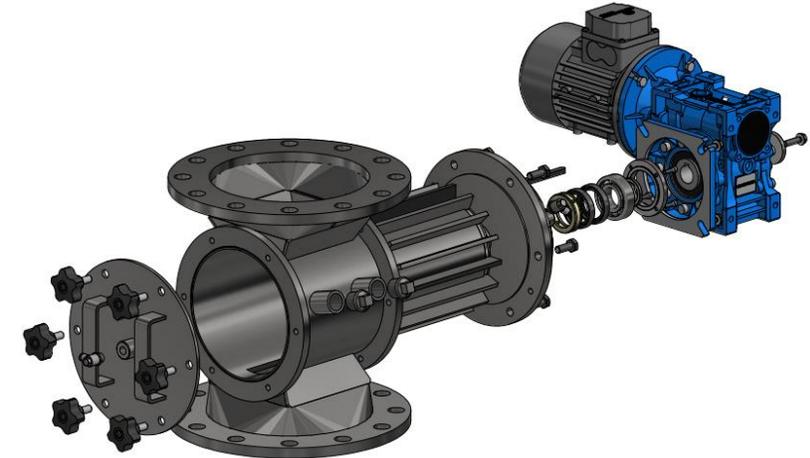
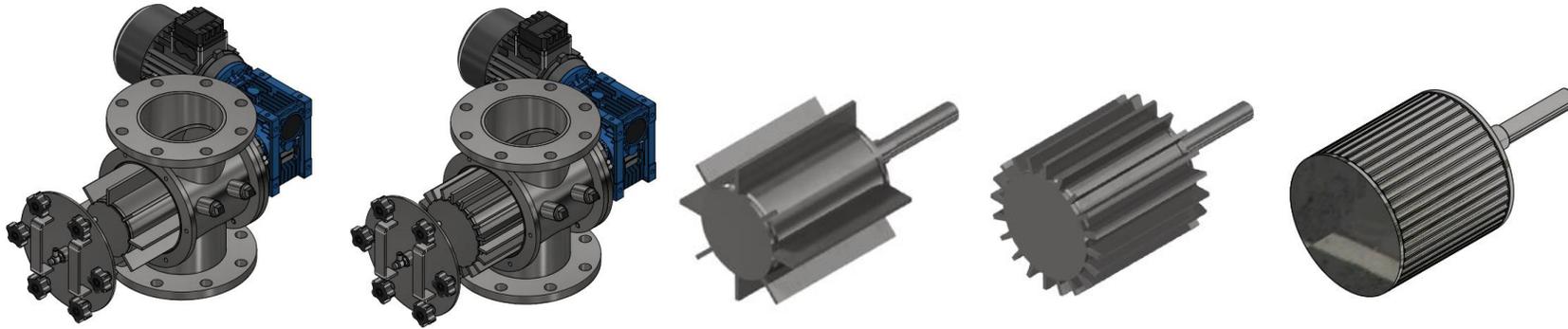


Bag Filter & Cyclone

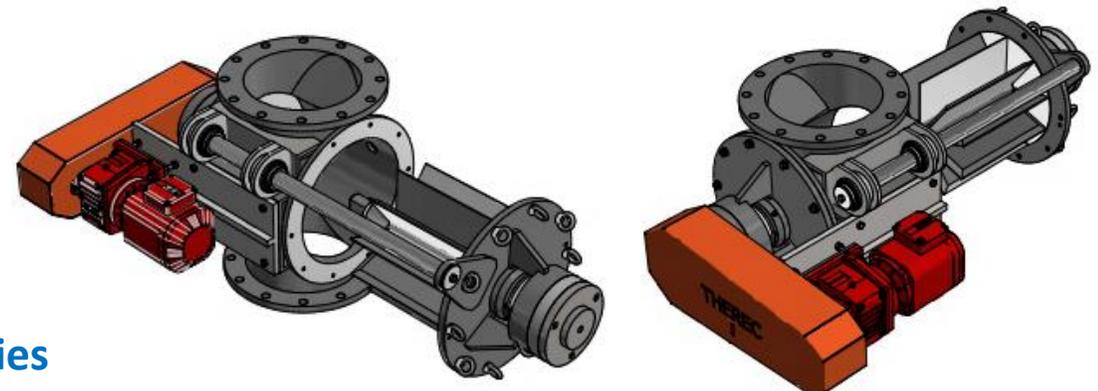
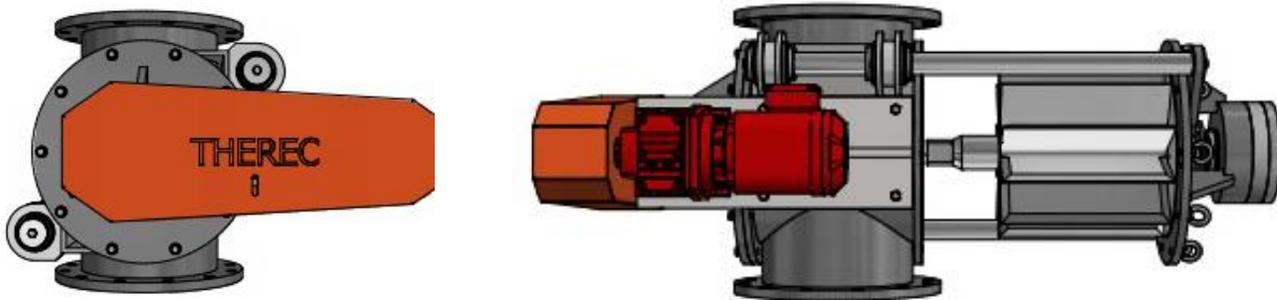
# Food Grade Easy Clean Rotary valve



## Air Lock Rotary Valve, Compact Type, Easy Clean Series

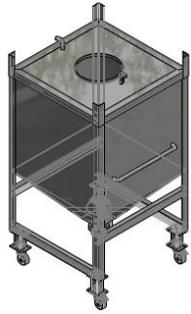


## Air Lock Rotary Valve, Compact Dosing & Weighting Type, Easy Clean Series

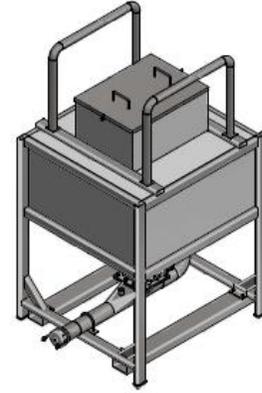


## Air Lock Rotary Valve, Heavy Duty Slide Arm Type, Easy Clean Series

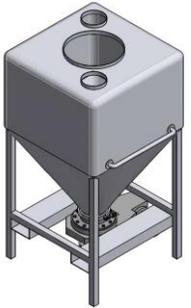
# Powder and Bulk Material Hopper Bin & Silo



Mobile Storage Bin



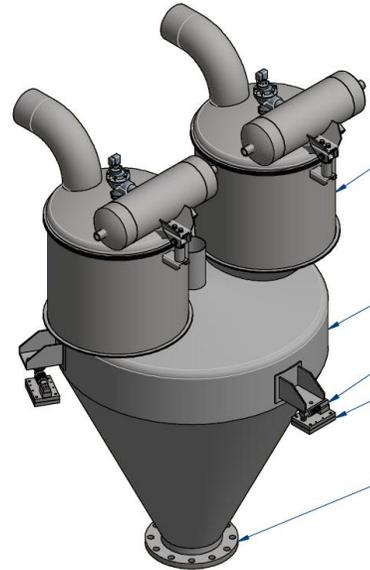
Dumping Bin



Tote Bin



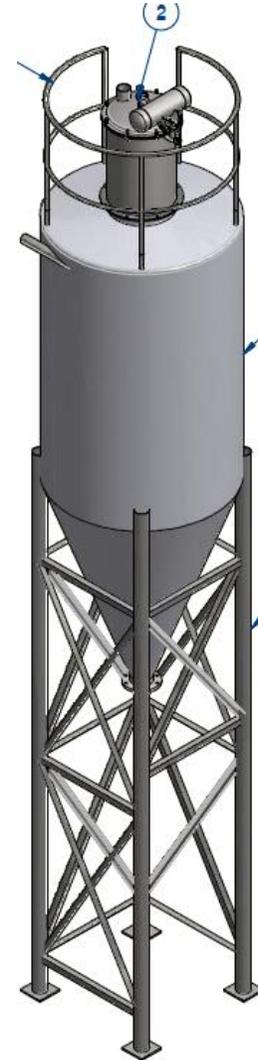
Storage Bin



Receiving Hopper



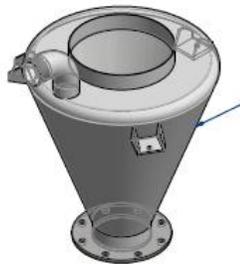
Storage Hopper



Buffer Silo



Main Storage Silo



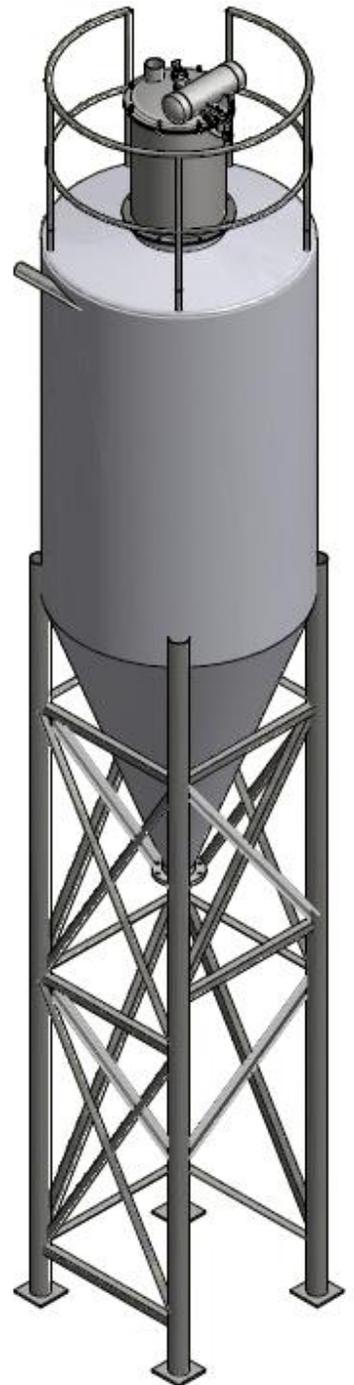
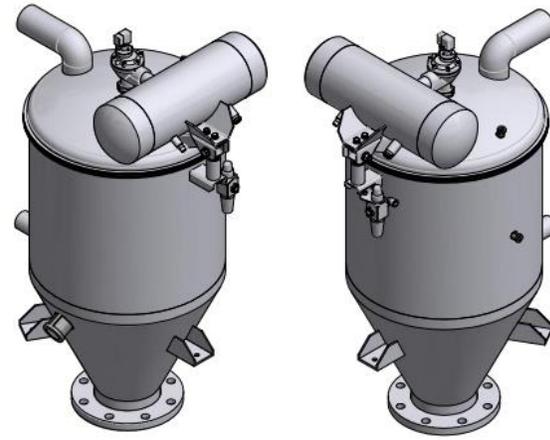
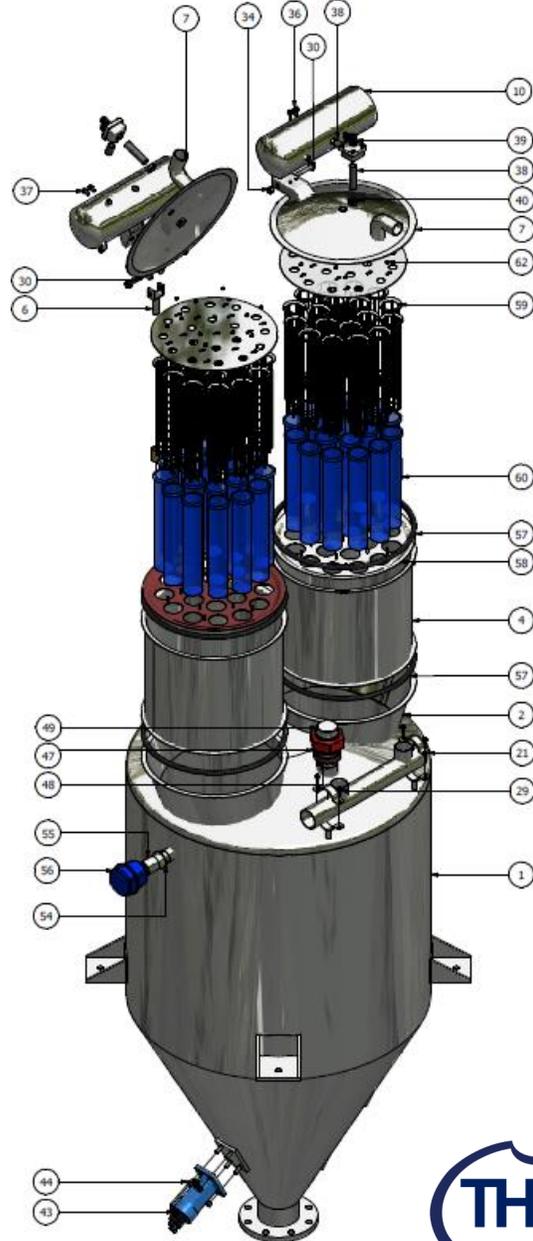
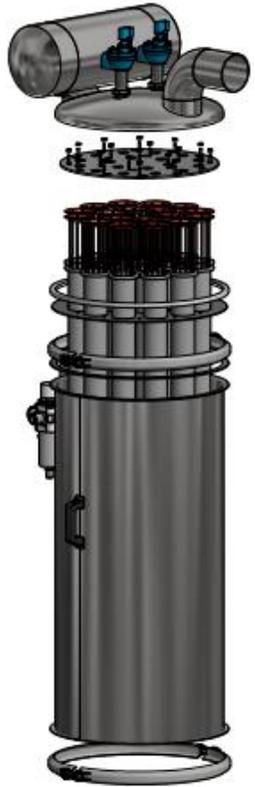
Surge Hopper



Weighting Hopper

# Food Grade Easy Clean Bag Filter

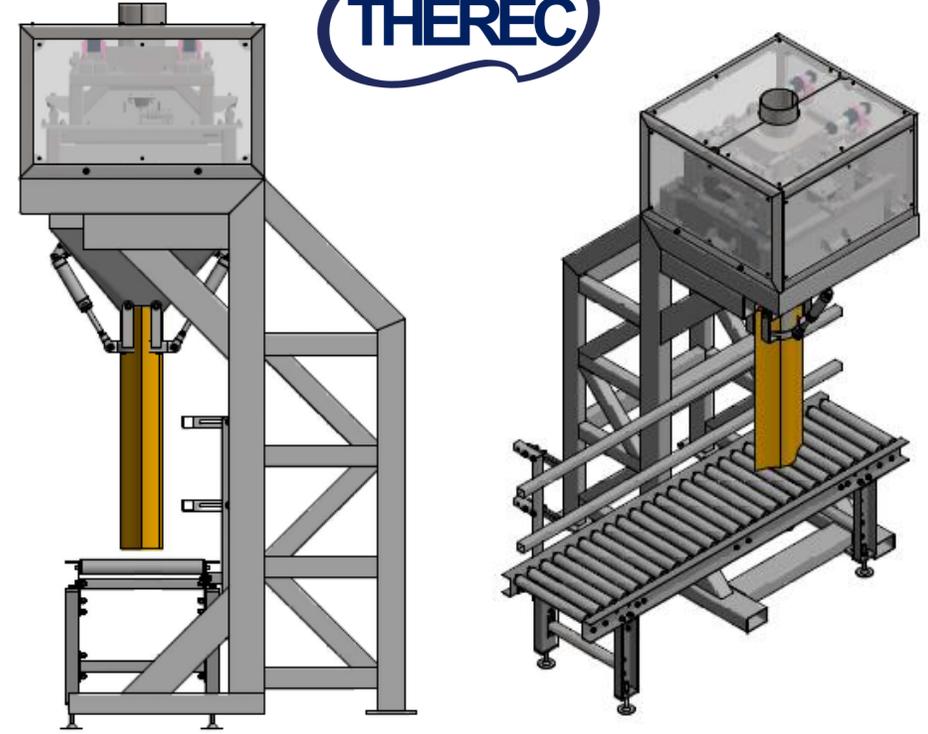
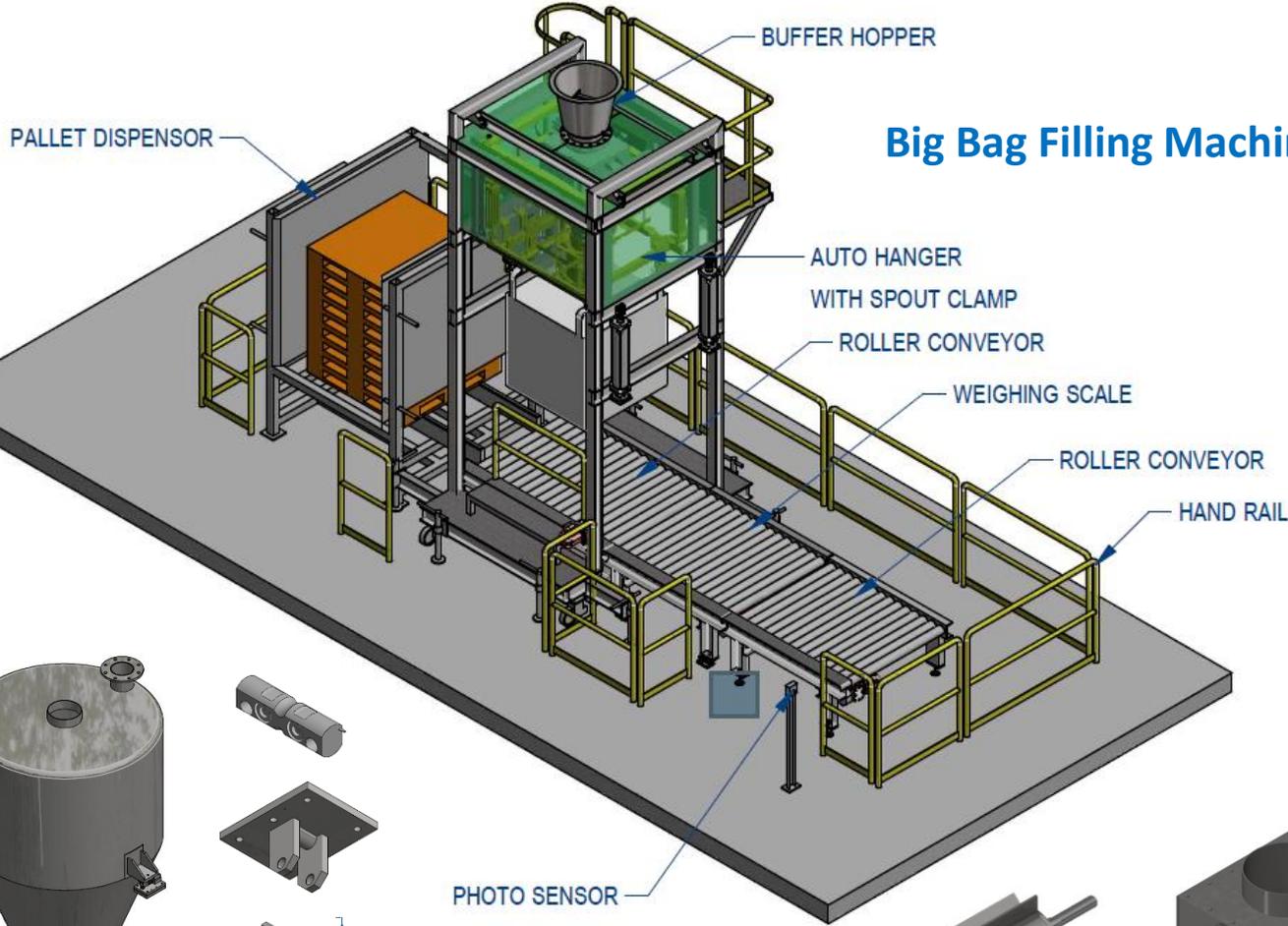
- Easy Detachable Structure
- Round & Compact Filter
- Clean Easier by Jet Pulse
- Strong Robust Round Body
- Deep Vacuum Operation
- Light Weight
- Food Grade Design
- Polished Internal Surface
- Quick Clamping System



# Filling & Weighting Machine & Component



## Big Bag Filling Machine

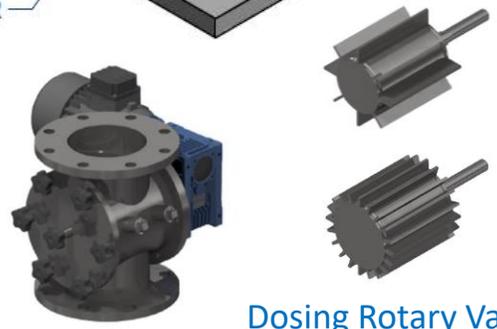


## 25 kg Bag Filling Machine

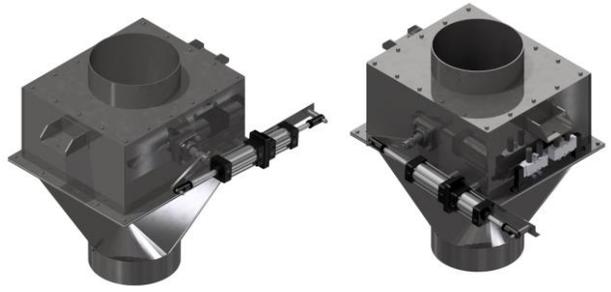
## Weighting Hopper & Load Cell



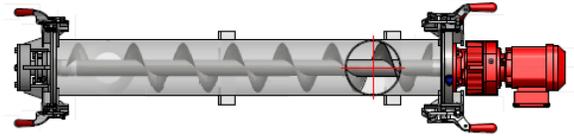
## Dosing Rotary Valve



## Cut-Off Valve



## Dosing Screw Conveyor



## Weighting & Dosing Equipment

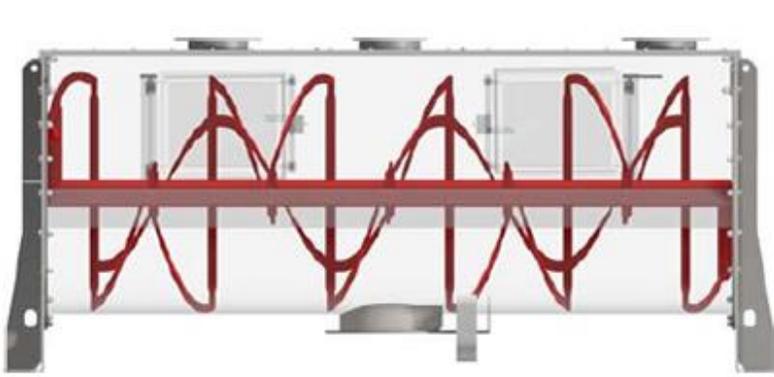




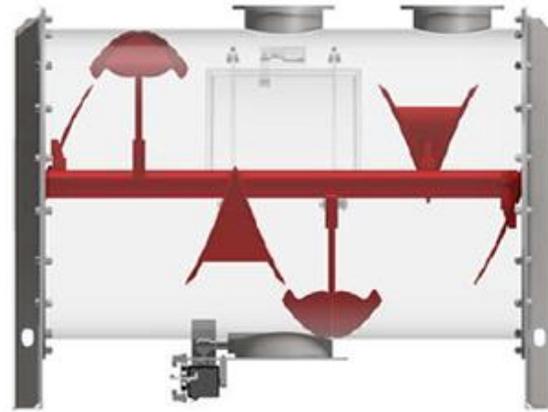
# Powder and Bulk Material Mixer & Screener Imported Product



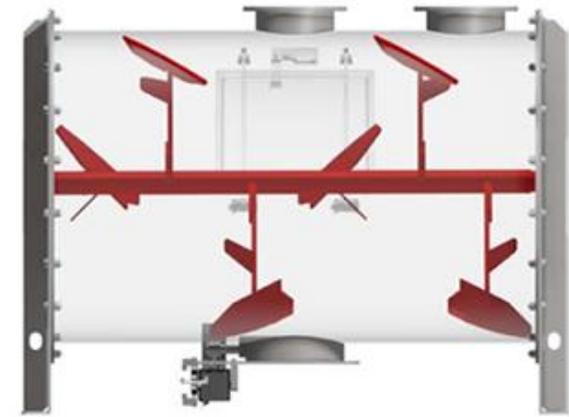
MIX S.r.l.  
MIXING SYSTEMS AND  
COMPONENTS FOR PLANTS



Screw (Ribbon)



Ploughshare



Mix Paddle



Food Grade Easy Clean Mixer



Lab Scale Ribbon & Paddle Mixer



Vibro Separator

NAVECTOR  
— 纳维加特 —

# THEREC

The 30<sup>th</sup> Year of  
Solution & Service



-1997 Start the journey of being the official distributor of **Dresser Holmes Roots UK** the original Roots blower

-1999 Being Distributor of **DMN Westinghouse / Netherland** Rotary & Diverter valve  
-First Pnuematic Conveying Project  
First Bulk Bag unloading station in-house design and made For Sugar / syrub making  
**Dutched Mill Co.,Ltd.**



-2002 First TRC Diverter valve in-house design and made For pneumatic handling system  
**Thai Wah Food Co.,Ltd.**

-2004 First food grade stainless steel silo for milk powder  
**Diry Plus Co.,Ltd.**



-1993 Starting of **Siam Complex Technology Co.,Ltd.** Stainless steel piping contractor & Food processing Company

-1996 Established year of TRC Imported High Pressure Blowers Sales & Service Company  
**Therac Corporation Ltd.**

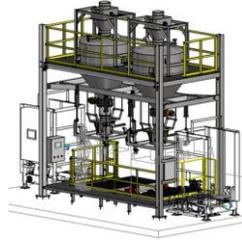
-1998 Start to be the distributor of **Young Industry Inc. USA** Bulk material Handling Turn-Key company  
-Start our own work shop to do The Blower Package locally  
Only imported the bare shaft unit from USA

-2000 First TRC rotary valve for pneumatic conveying system in-house design and made  
**BKK Waste Water Treatment Plant / Dindeang**



-2005 The first Central Vacuum Cleaning System, by THEREC in-house design and made  
**Siam Yamato Co., Ltd**

-2007 New work shop in Bangbon Machining and Fabrication shop Machine Service Center  
-Start to work as the distributor of **J&D Silo / Netherland** For plastic pellet Aluminium Silo



-2015 First Automatic High Speed Big Bag Filling machine Design and Made By THEREC  
**TPE / SCG Plastic group**

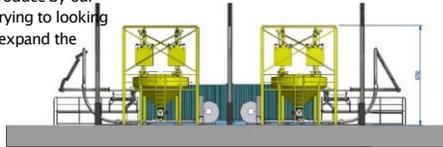
-2013 Start TRE work shop For Bulky Structure in Nikompatana Rayong  
-First project sales of **J&D Silo / Netherland** For plastic pellet Aluminium Silo 4 units of 200 m3 Stand-Riv Silos

## THEREC

The 30<sup>th</sup> Year of Solution & Service

-2024 Get the good start of success to get the project abroad in Laos, Vietnam and New Zealand

-2020 Starting to focus on design and built process turn-key business With nearly all of the equipment and machine import and produce by our companies / Serious Trying to looking for the opportunity to expand the market abroad



-2019 The first Sea bulk loading system, for PE pellet Oversea Turn-key project  
**Petron / Philippine**



-2014 Separate the fabricate section of TRE to be new company For Stainless steel work / Hopper & Silo Start TRT work shop in Nontaburi  
**TRT Factory Co.,Ltd.**



-2012 Separate the project department to be new company  
**Therac Engineering Co.,Ltd.**

-2008 The first Sea bulk loading system, for PE pellet in-house design and made  
**TPE / SCG Plastic group**

### THEREC CORPORATION LTD.

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