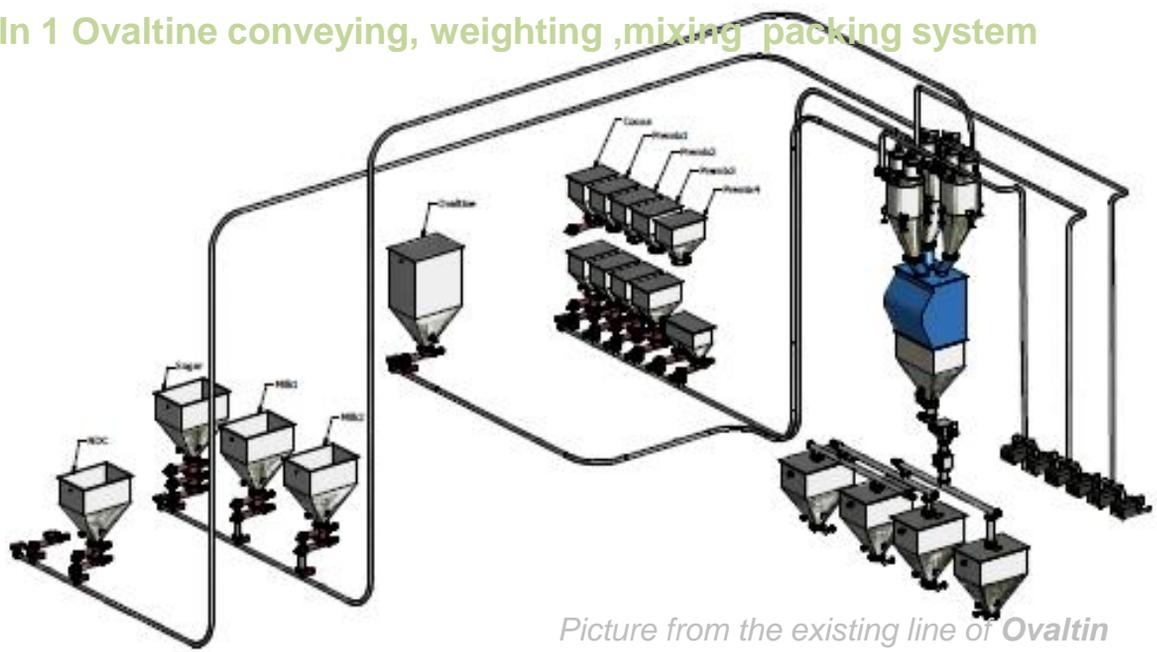


# THEREC ENGINEERING & CONSULTING CO.,LTD.

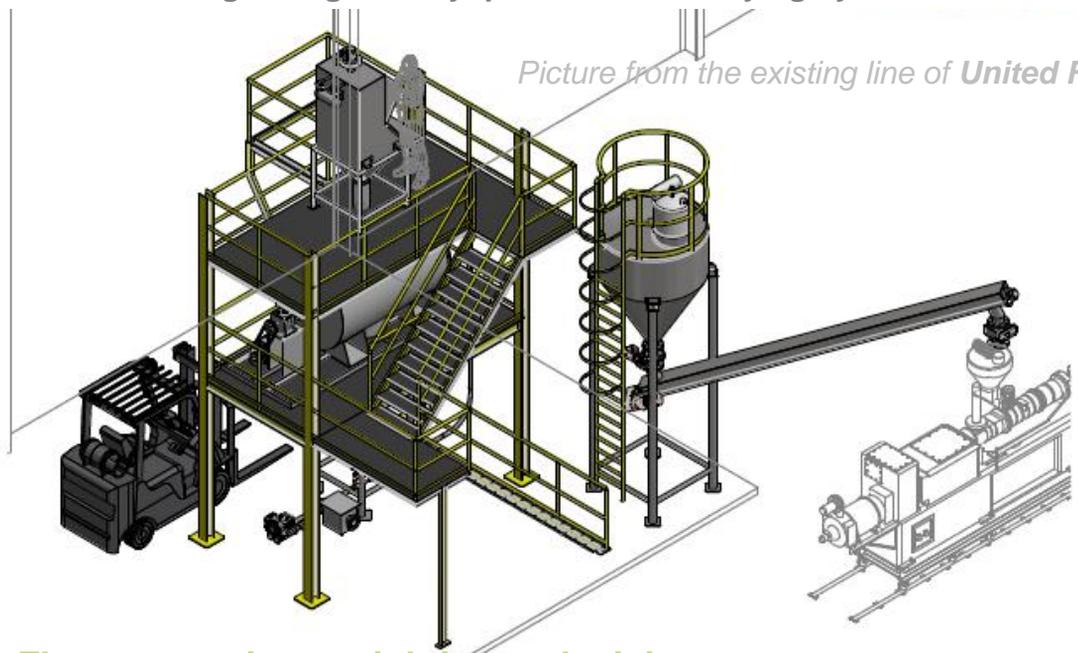
THEREC PROCESSING MACHINE CO.,LTD

## 3 In 1 Ovaltine conveying, weighting ,mixing packing system



Picture from the existing line of Ovaltin

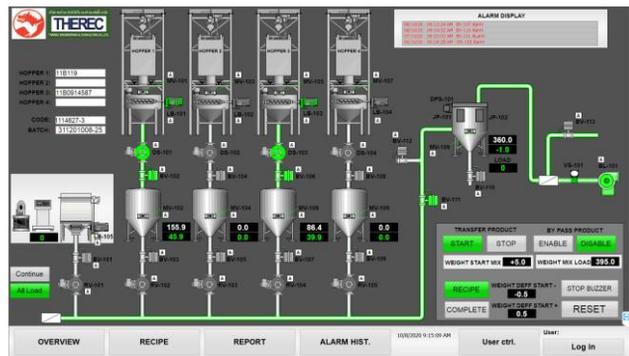
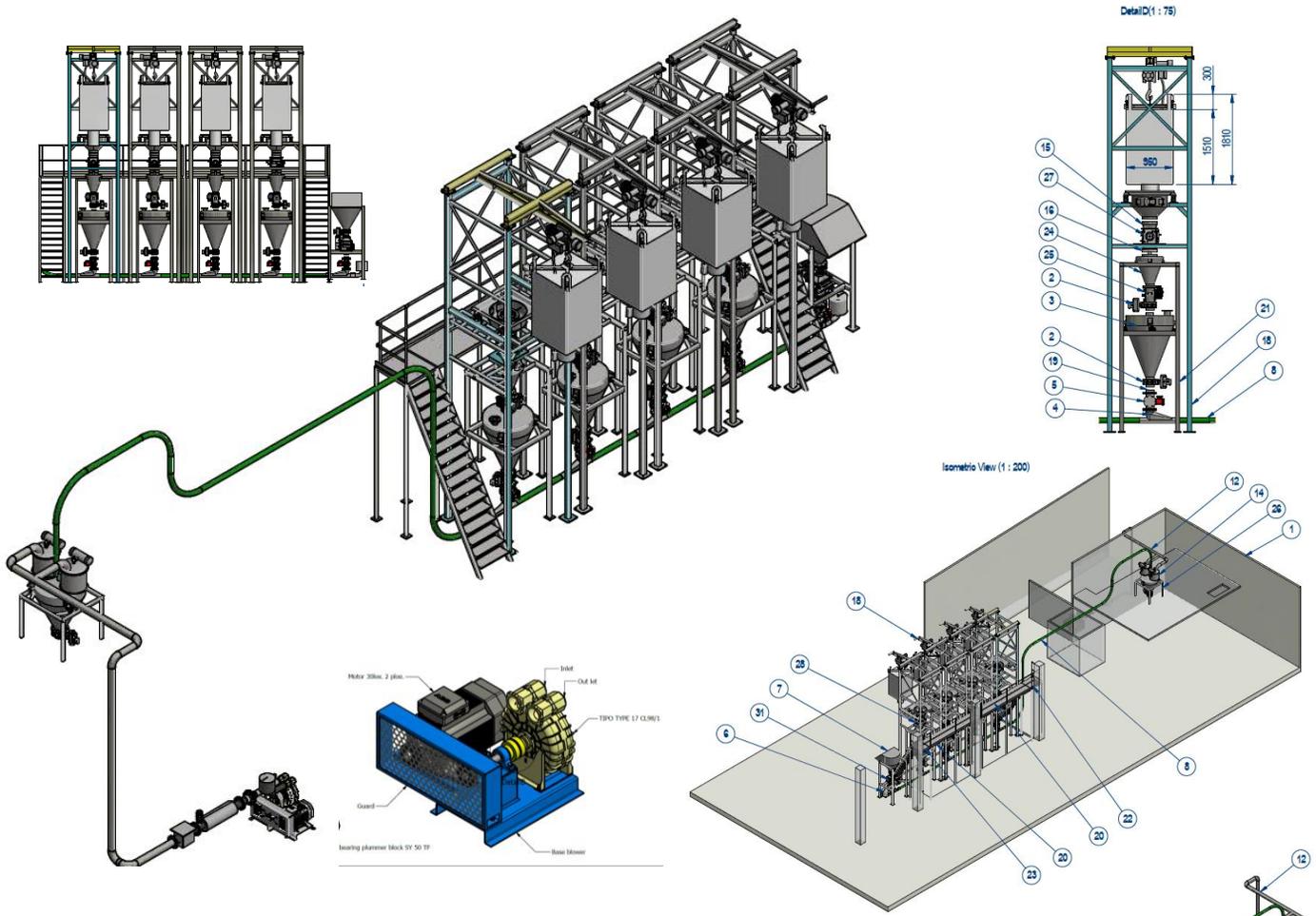
Full Bulk material handling system for food grade powder and bulk processing line / Storage / Loading / Unloading / Weighting / Mixing / Sizes classifying  
Connecting all together by pneumatic conveying system and control.



Picture from the existing line of United Food

## Flour conveying, weighting and mixing system

# Therec Engineering & Consulting Co., Ltd.

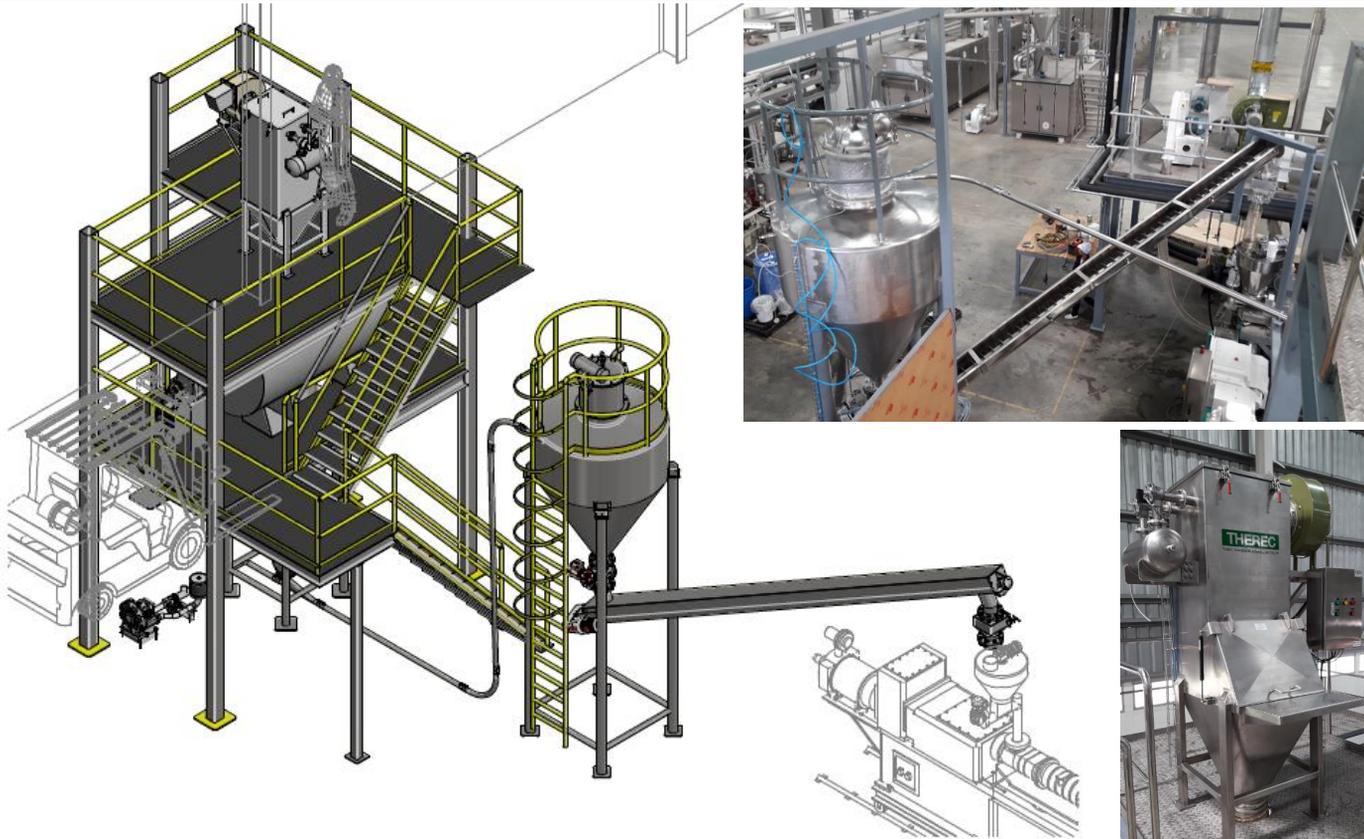


## Pet Food Seasoning Powder Weighting, Conveying, Mixing & Reporting

The total system consisting of :

- 1 of 4.0 tons/hr negative Pneumatic conveying systems
- 12 of Stainless steel Buffering , Weighting and Receiving hopper
- 2 of Stainless steel Compact Bag filter with jet pulse air cleaning system
- 1 of High pressure Ring blower 15.0 kw / 2.0 hp
- 5 of Compact easy clean air lock rotary valves Stainless steel 304
- 4 of High accuracy fine dosing rotary valve for weighting system
- 1 of Control system, PLC with SACADA , data base , formula set up & report
- 5 of Lump Breaker/ Food grade , Easy clean version

# Therec Engineering & Consulting Co., Ltd.



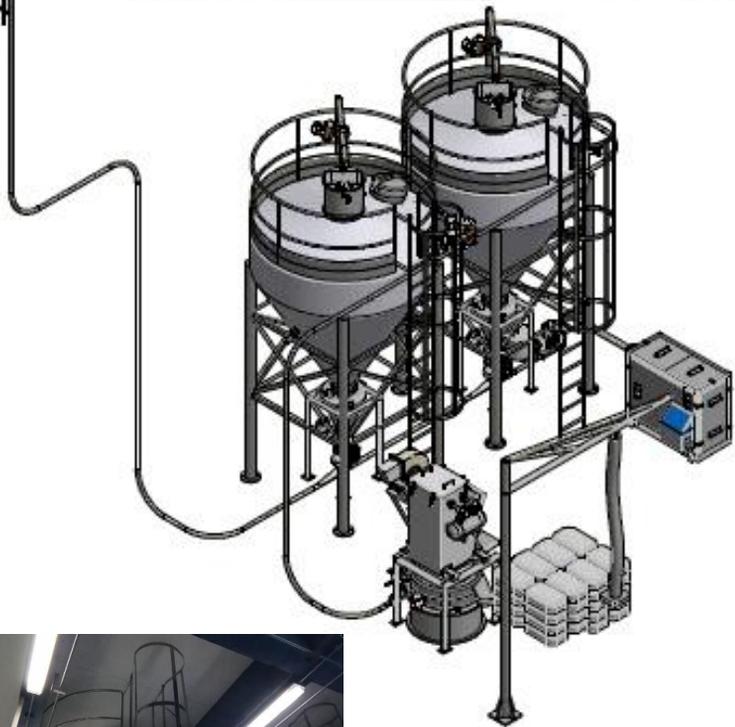
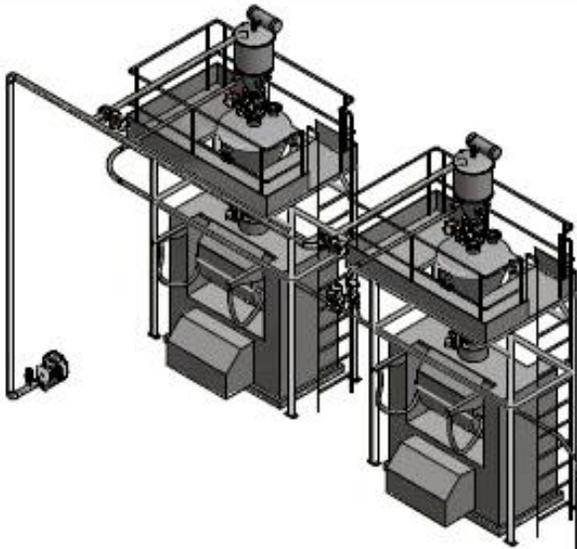
## Wheat Flour loading system small bag to mixer and Mixer to Storage Tank

The total system consisting of :

- 1 of 1.0 tons positive Pneumatic conveying systems
- 1 of Stainless steel tank 4.0 m<sup>3</sup>
- 1 of Stainless steel Bag filter with jet pulse air cleaning system
- 1 of High pressure Roots blower 3.0 kw / 4.0 hp
- 1 of Heavy duty air lock rotary valves Stainless steel 304



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## Wheat Flour loading system small bag to silos/ Namchow Group

The total system consisting of :

- 1 of 1.0 tons negative Pneumatic conveying systems
- 2 of Stainless steel tank 6.0 m<sup>3</sup>
- 1 of Stainless steel Bag filter with jet pulse air cleaning system
- 1 of High pressure Roots blower 4.0 kw / 5.5 hp
- 2 of Heavy duty air lock rotary valves Stainless steel 304

# Therec Engineering & Consulting Co., Ltd.



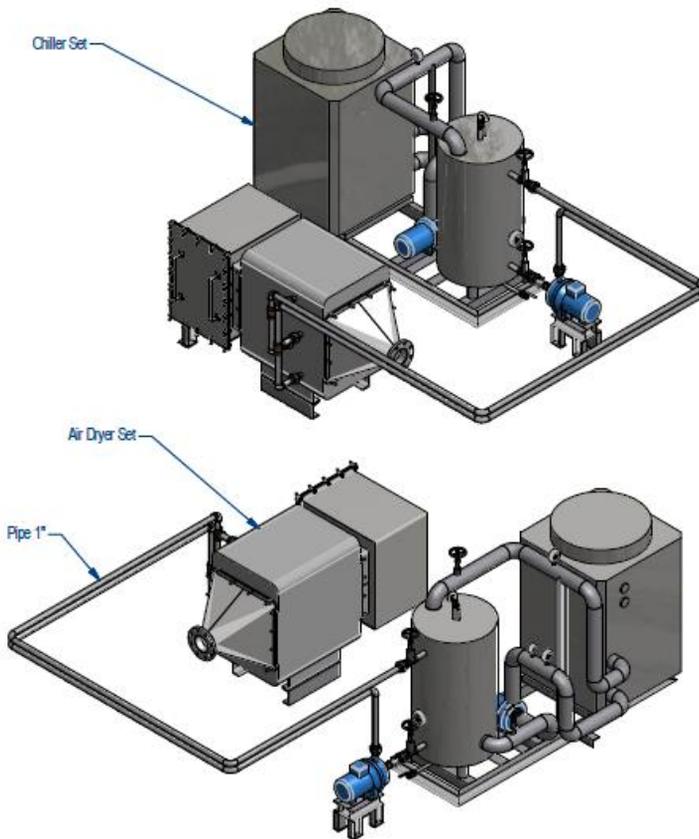
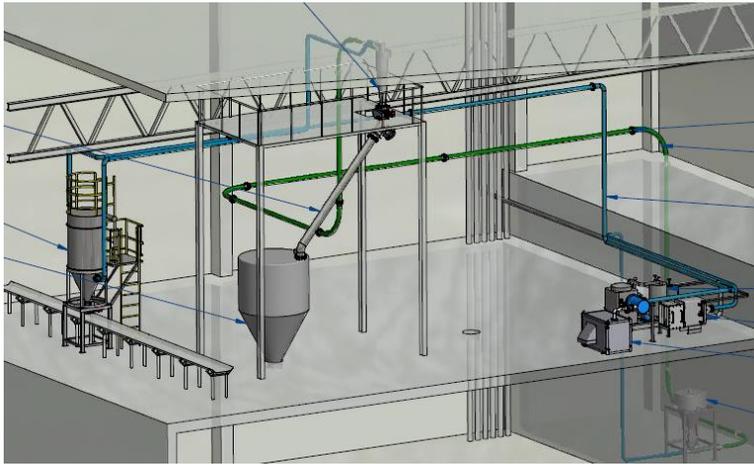
## Wheat Flour loading system small bag to silos/ Namchow Group

The total system consisting of :

- 1 of 0.5 tons positive Pneumatic conveying systems
- 2 of Stainless steel receiving hopper 1.0 m3
- 1 of Stainless steel Bag filter with jet pulse air cleaning system
- 2 of High pressure Ring blower 3.0 kw / 4.0 hp
- 2 of Heavy duty air lock rotary valves 6.0" Stainless steel 304
- 1 of Electrical control box, with SEMENS S7 1200 PLC ,  
with SCADA system connected to PC



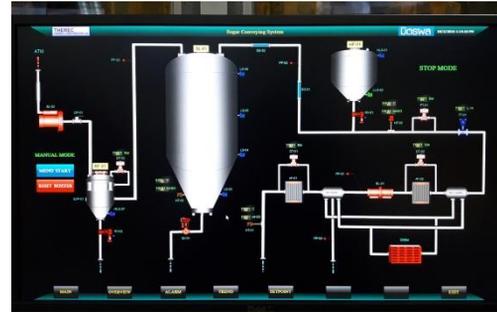
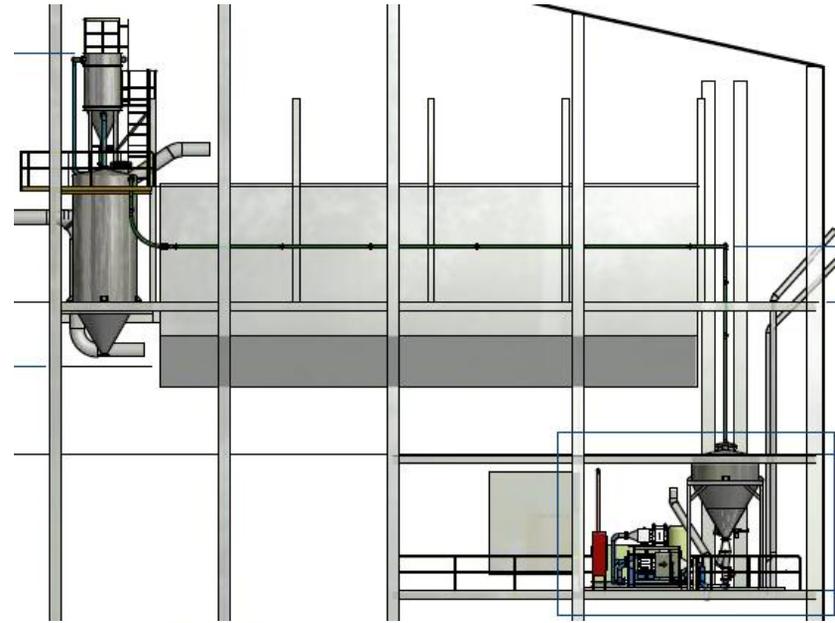
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## Sugar loading system Mitrphol Poowiang

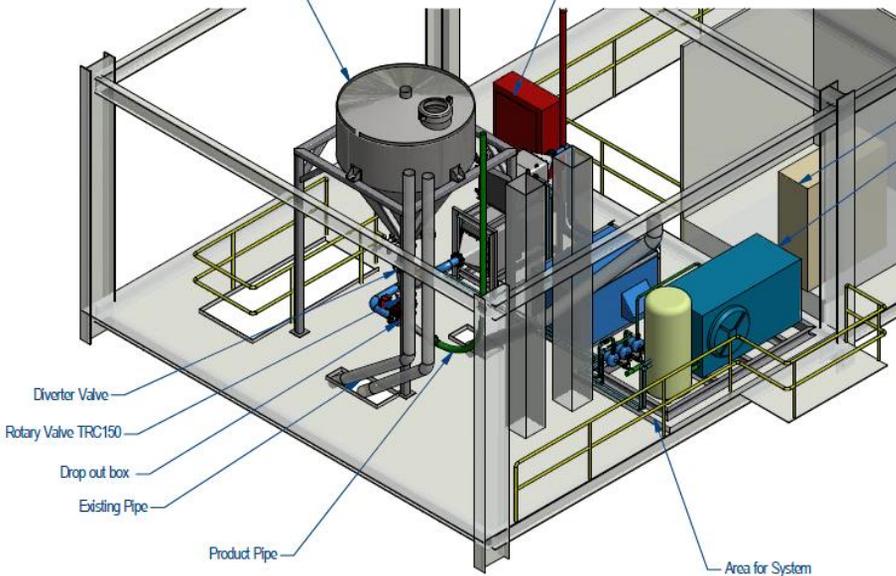
The total system consisting of :

- 1 of 5.0 tons negative Pneumatic conveying systems
- 1 of Stainless steel dumping hopper 2.0 m<sup>3</sup>
- 1 of carbon steel Bag filter
- 1 of Stainless steel Cyclone material collector
- 1 of Automatic control air cooler with chiller
- 1 of High pressure Roots blower 18.5 kw / 25.0 hp
- 1 of Heavy duty air lock rotary valves Stainless steel 304
- 1 of Electrical control box, with SEMENS S7 1200 PLC ,



Hopper 4 m3 & Structure Set

Existing Fire Station



Divertor Valve

Rotary Valve TRC150

Drop out box

Existing Pipe

Product Pipe

Area for System

## Sugar loading system (Sugar dust from screener) Mitraphol Pukeaw

The total system consisting of :

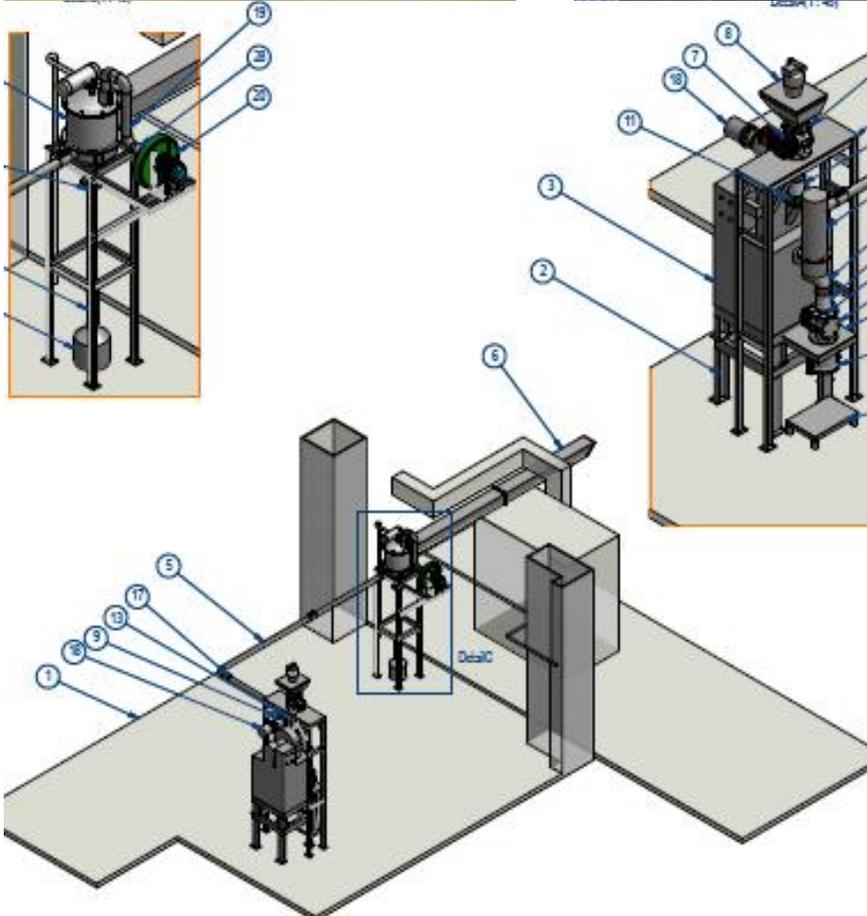
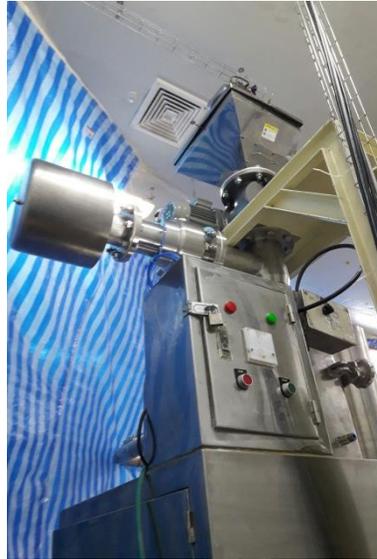
- 1 of 5.0 tons positive Pneumatic conveying systems
- 1 of Stainless steel hopper 4.0 m3
- 1 of carbon steel Bag filter with explosive vent panel
- 1 of Automatic control air dryer and air cooler with chiller
- 1 of High pressure Roots blower 18.5 kw / 25.0 hp
- 1 of Heavy duty air lock rotary valves Stainless steel 304
- 1 of Electrical control box, with SEMENS S7 1200 PLC , with SCADA system connected to PC

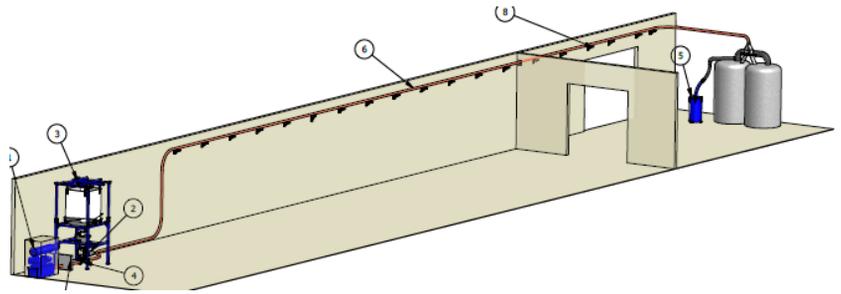
# Therec Engineering & Consulting Co., Ltd.

## Sugar Grinding system Benjanpong Co.,Ltd. / A co-packer of Nestle(Thailand)

The total system consisting of :

- 1 of Sugar dust collecting system
- 1 of Atex Isolated valve size 4.0"
- 1 of Stainless steel bag filter with explosive panel
- 2 of Compact easy clean rotary valves Stainless steel 304 ,6.0" with 2 BFM fitting sets
- 1 of Electrical control box, with SEMENS LOGO PLC





## Sugar loading system Tipco food

The total system consisting of :

- 1 of 3.0 tons Pneumatic conveying systems
- 1 of Big bag unloading station
- 1 of High pressure Roots blower 11.0kw / 15.0 hp
- 1 of Heavy duty air lock rotary valves Stainless steel 304
- 1 of Electrical control box, with SEMENS LOGO PLC



## Sugar loading system Dutch mill

The total system consisting of :

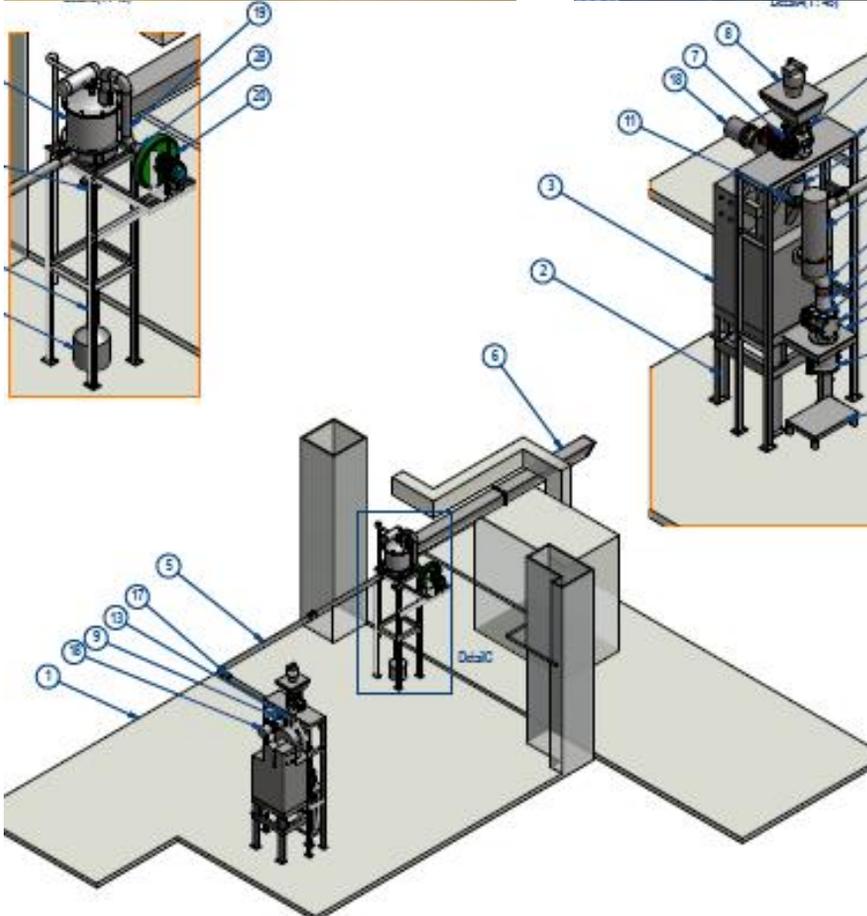
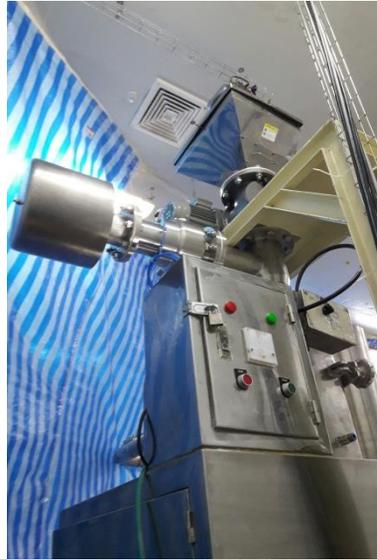
- 1 of 3.6 tons Pneumatic conveying systems
- 1 of Stainless steel Cyclone , & Bag filter
- 1 of Big bag unloading station
- 1 of High pressure Centrifugal blower 5.5 kw / 7.5 hp
- 1 of Heavy duty air lock rotary valves Stainless steel 304
- 1 of Electrical control box, with SEMENS LOGO PLC

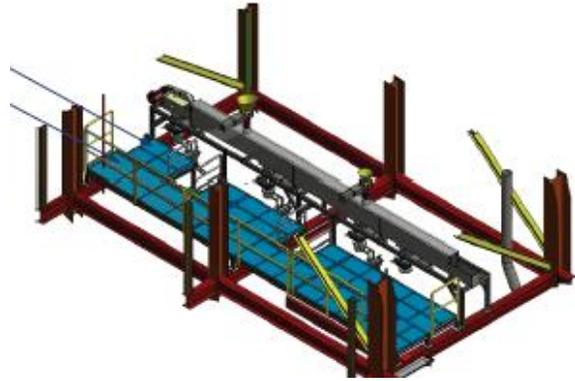
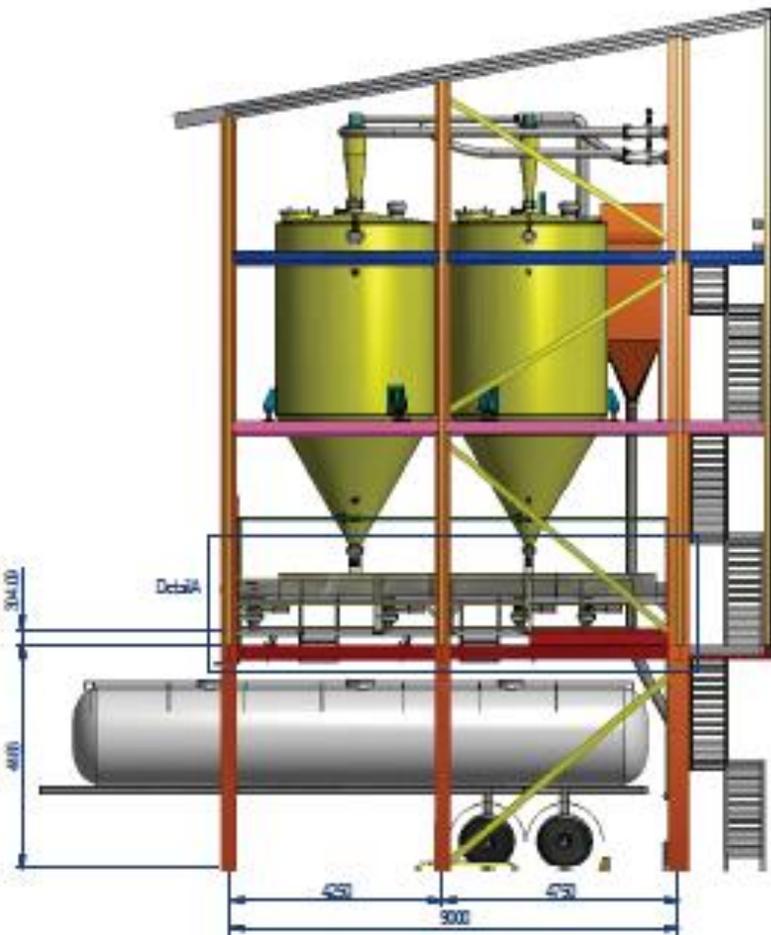
# Therec Engineering & Consulting Co., Ltd.

## Sugar Grinding system Benjapanpong Co.,Ltd. / A co-packer of Nestle(Thailand)

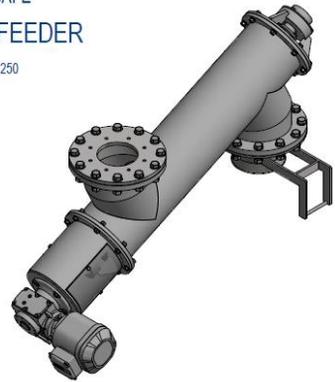
The total system consisting of :

- 1 of Sugar dust collecting system
- 1 of Atex Isolated valve size 4.0"
- 1 of Stainless steel bag filter with explosive panel
- 2 of Compact easy clean rotary valves Stainless steel 304 ,6.0" with 2 BFM fitting sets
- 1 of Electrical control box, with SEMENS LOGO PLC





NESCAFE  
SCREW FEEDER  
SIZE 250



## Bulk Truck loading system (Green Coffee ) Quality coffee (Nest Café)

The total system consisting of :

- 2 of 38 m<sup>3</sup> Carbon Steel silos, with Nitrogen purge system & plate form structure
- 1 of Load cell system set and automatic hanging load cell calibrating set
- 1 of 5.0 tons Pneumatic conveying systems
- 2 of Bag filters for dust controlling system, with 1,500 m<sup>3</sup> centrifugal fan
- 1 of Big bag filling stations with load cell
- 1 of Chain conveyor set for bulk truck loading
- 4 of Magnetic separator sets
- 4 of Light duty feeding rotary valves (pellet valve), Stainless steel 316
- 1 of Heavy duty screw conveyor, Stainless steel 316
- 4 of Loading bellow with level sensor, Stainless steel 316

# Therec Engineering & Consulting Co., Ltd.



## Wheat Flour Bulk Truck Blowers and Piping system/ Laemthong Group

The total system consisting of :

- 16 tons/hr positive Pneumatic conveying systems
- 24 of High pressure Roots blower 37.0 kw / 50.0 hp
- 24 of Additional outlet silencer and safety valve set
- 24 of SUS304 piping system set



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# THEREC ENGINEERING & CONSULTING CO.,LTD.

THEREC PROCESSING MACHINE CO.,LTD

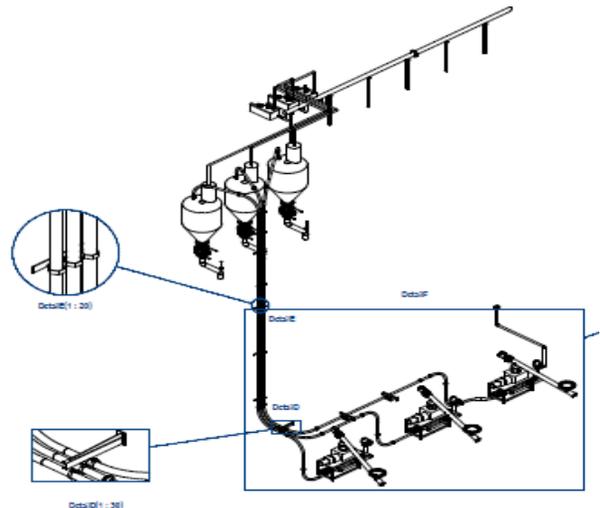
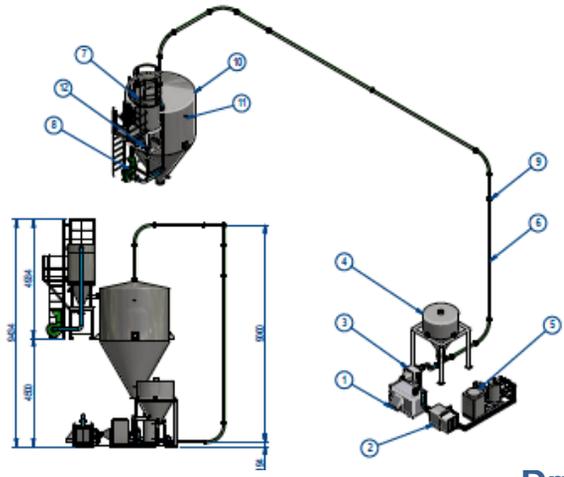


- Big Bag Filling & Unloading Station
- Bulk Material Handling Machine & Accessories
- Small bag & Tote Bin Dumping Station
- Size reduction and classification machine

- High Pressure Blower
- Vacuum pump
- Material handling fan & blower
- Dust explosion control equipment

## Pneumatic Conveying System

Picture from the existing line of Mitrphol



Picture from the existing line of Ovaltin

## Dry Bulk Material Processing System



- Rotary & Diverter Valve
- Lump Breaker / Lump Crusher
- Food Grade Screw Conveyor

- Stainless Steel Hopper & Silo
- Stainless Steel Cyclone & Receiver
- Stainless Fabrication Work

### Therec Engineering & Consulting Co, Ltd.

Tel (662) 893 9003-4 (5 lines) Fax : (662) 893 9005 ,893 9178  
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 General product Therec 01 / 2016

