THEREC CORPORATION LTD.
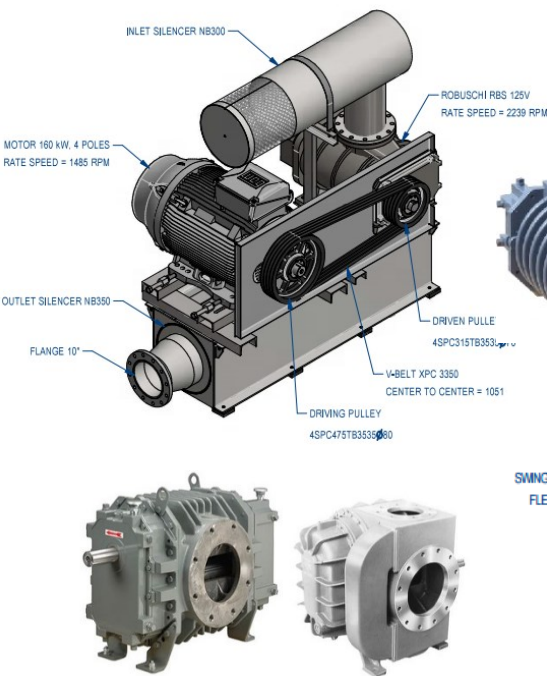
Air & Gas Blower Package for Pneumatic Conveying System

INLET SILENCER NB300

ROBUSCHI RBS 125V
RATE SPEED = 2239 RPM

MOTOR 160 kW, 4 POLES
RATE SPEED = 1485 RPM

OUTLET SILENCER NB350

FLANGE 10"

DRIVEN PULLEY
4SPC315TB3535 080

V-BELT XPC 3350
CENTER TO CENTER = 1051
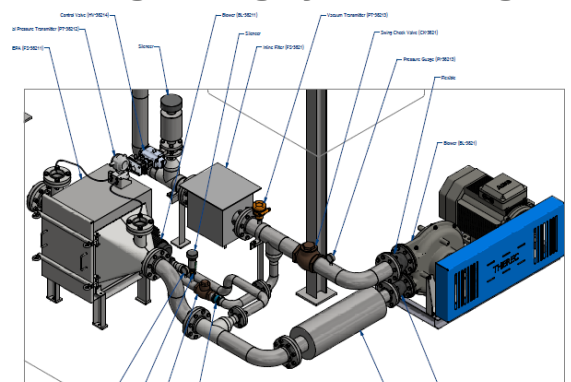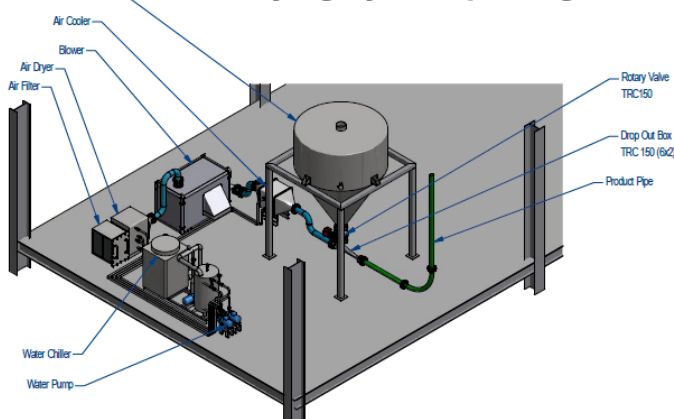
DRIVING PULLEY
4SPC475TB3535 080

THEREC Powder & Bulk Equipment Companies

Installation, Service & Commissioning

SIDE VIEW (1 : 25)

INLET SILENCER NB200

SIEMENS MOTOR 55 kW. 2 POLES,IE3

TRYE COUPLING SIZE F80

COUPLING GUARD

ROOTS BLOWER RAM 41B

DOUBLE OUTLET SILENCER NB200

RESSURE RELIEF VALVE 3"
PIPE DISCHARGE 3"
SWING CHECK VALVE SIZE 6"
FLEXIBLE CONNECTOR
SIZE 6" ANSI 150
FLANGE 6" Ansi 150

PRESSURE GAUGE

OUTLET SILENCER NB200

Pneumatic Conveying system package

Air Cooler
Blower
Air Dryer
Air Filter

Hopper

Rotary Valve
TRC150

Drop Out Box
TRC 150 (6x2)

Product Pipe

Water Chiller
Water Pump

Engineering System Package

Central Valve (HV-9821)
al Pressure Transmitter (PT-9821)
EPA (F2-9821)

Blower (BL-9821)
Silencer
Micro Filter (F0-9821)

Vacuum Transmitter (VT-9821)
Swing Check Valve (CV-9821)
Pressure Gauge (PI-9821)

Flexible

Blower (BL-9821)

Ball Valve (HV-9821)
Swing Check Valve (CV-9821)

Flexible

Flexible

Central Vacuum cleaning system package

Factory, R&D and Test Center

Inlet Silencer NB200

Inlet filter

Motor 45kw. 2P

RBTM 68

GRID

GUARD

Base Silencer NB200

SOUND ABSORBING PANEL
PIPE CONNECTION CLOSING PANEL

N°3 HOLE Ø2
ON EACH Ø100
HINGED OPENING

SAFE LOCK

2100,00

1060,50

939,50

550,00

2100,00

311,00
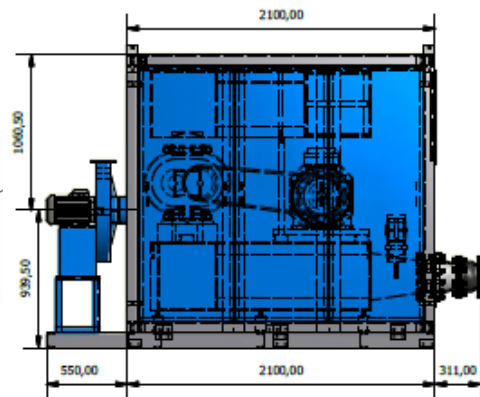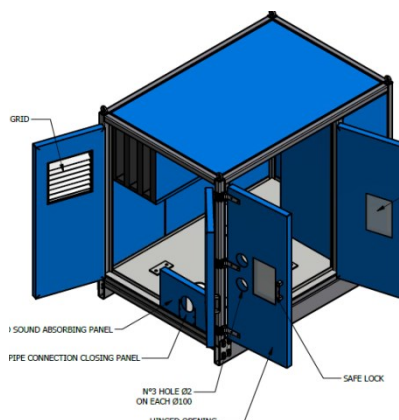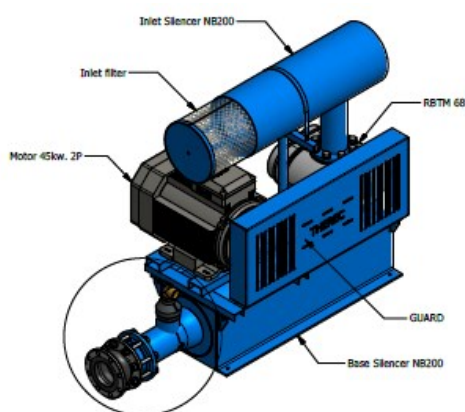
Standard Roots blower package for Waste water treatment

Industrial Blower Engineering Package
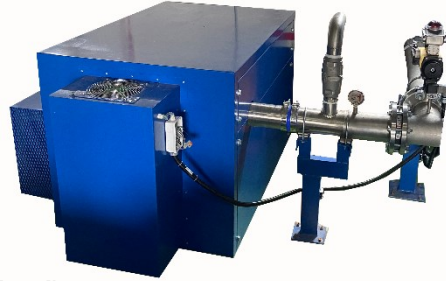
www.thereccorp.com

Roots & Side channel (Ring) Blower Package
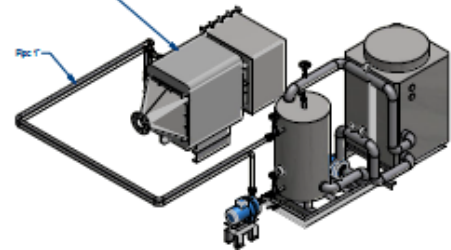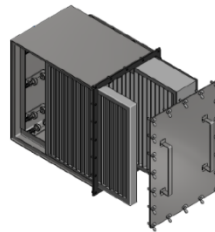# With Food Grade Stainless Steel Silencer & Filter

PVC conveying system / Hymix
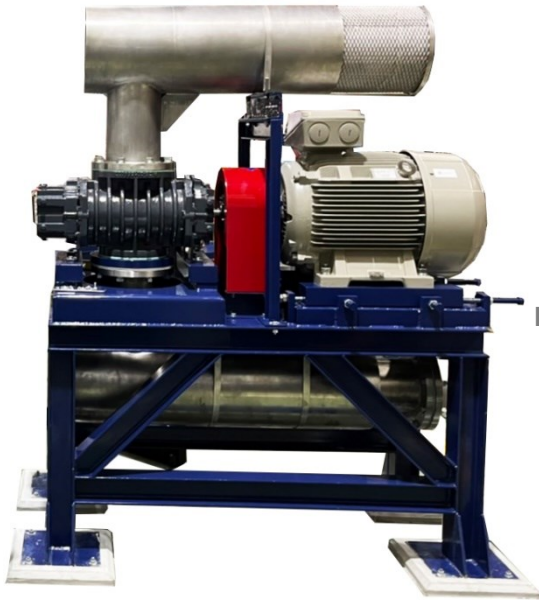
PVC conveying system / Bangkok Cable

PC Pellet conveying system / Covestro (Thailand)
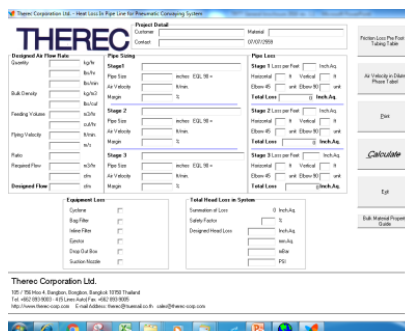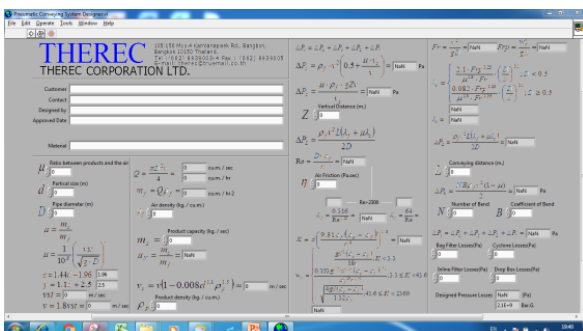
Sugar conveying system / Patkol (Public)

**Air filter , Air Cooler or Air dryer and Control system
Mitrphol Sugar (Khonkean)**

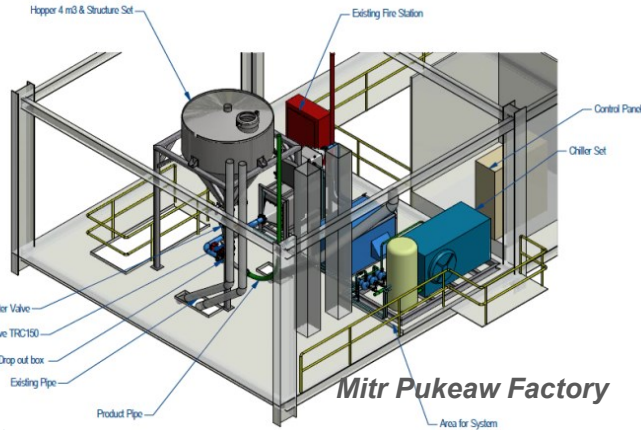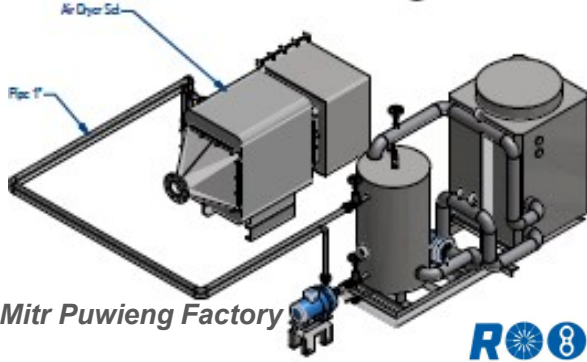## Engineering system design support Service for both Air and Gas Handling process /Loss ,Pressure, Flow and Etc.

The sizing program both from our principle oversea and in house development by THEREC

THEREC

Temperature & Moisture control system

Mitr Puwieng Factory

**MITR PHOL**

ROOTS

Mitr Pukeaw Factory

Mitrphol Sugar Co., Ltd./ Sugar pneumatic conveying

Contacted conveying air moisture control to the level below 35% relative humidity to protect the sugar lump and stickiness from ambient moisture.
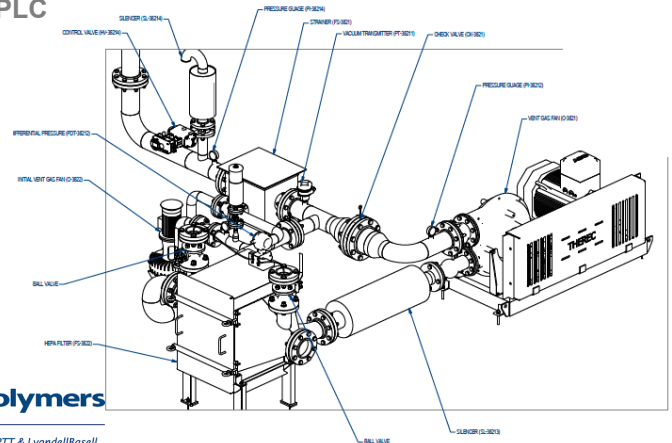Contacted temperature to be under 38 degree C, to protect the internal moisture from flashing out and make the crystal to be dim.
SCADA control system with SIEMENS S7 300 series PLC

Vacuum control system

MAPRO ®
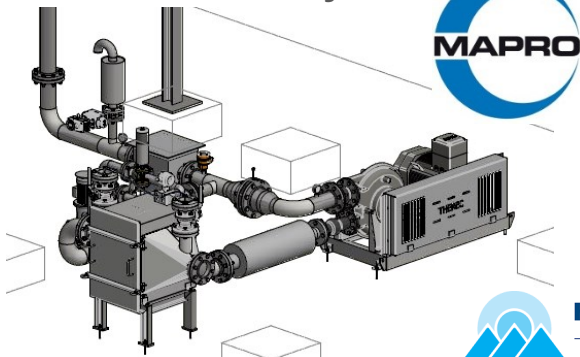
HMC Polymers
An associate of PTT & LyondellBasell

HMC Polymer Co., Ltd./ PTT Group of company, job in cooperation with CR Asia

Vacuum control system for central vacuum cleaning system operation, operated by vacuum transmitter and pneumatic control valve to maintain the vacuum level of the system at -300 mBar and maintain the averaged suction air volume of each individual suction point at around 200 cfm of all working condition.
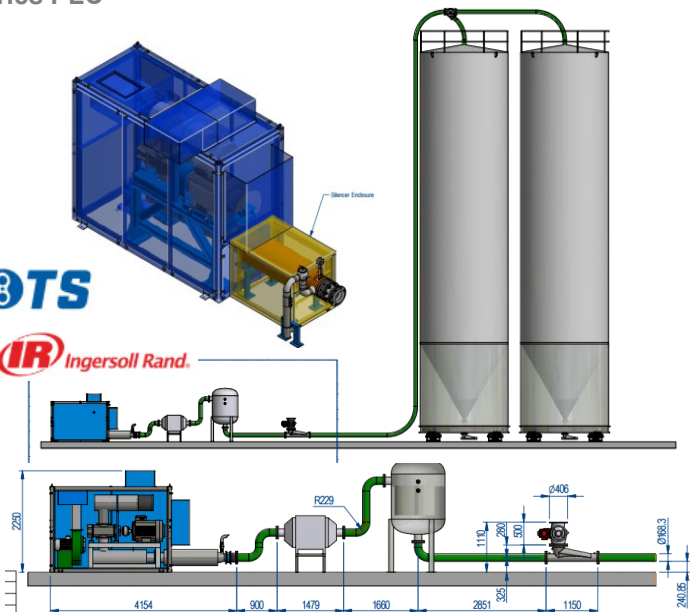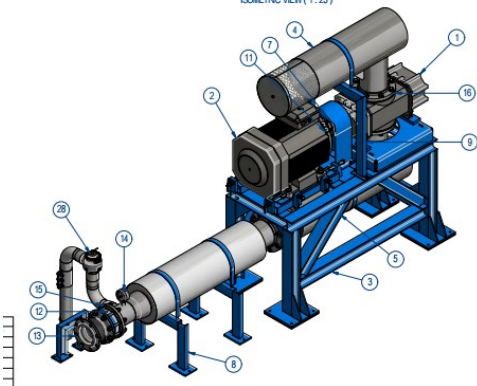Also the differential pressure switch for the filters.
SCADA control system with ALAN BRADLEY 500 series PLC

Temperature control system
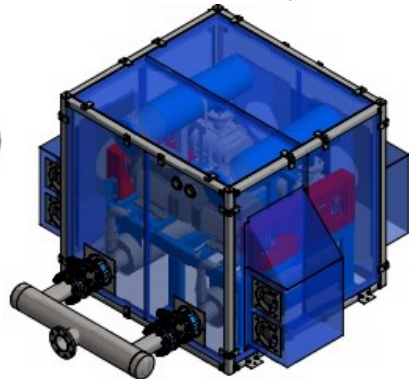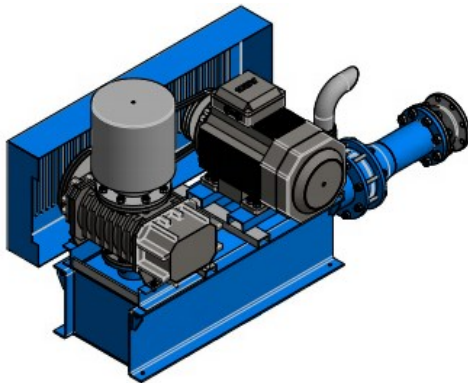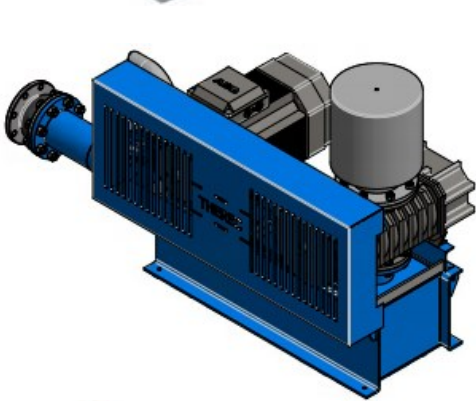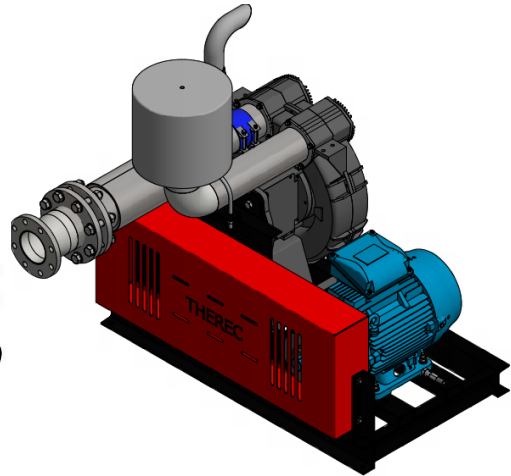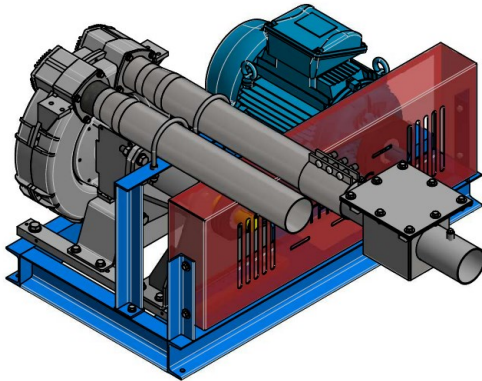
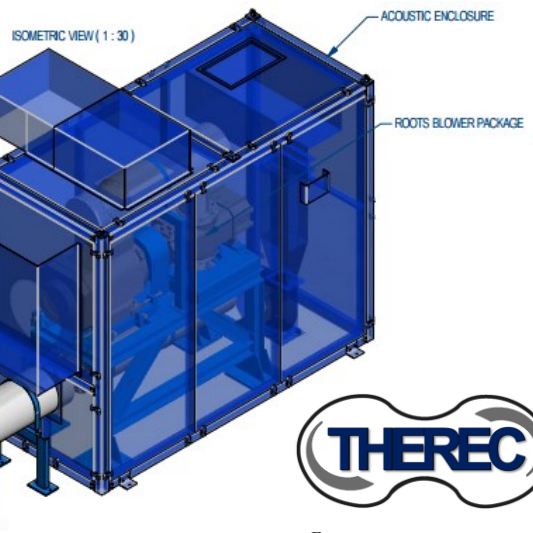### Covestro (Thailand) Co., Ltd.

PC Pellet pneumatic conveying system , with Chilled water to air cooling unit to control the temperature to be under 25 degree C, with capacity of 12 tons/hour.
Sound pressure level less than 75 dBA.

ISOMETRIC VIEW (1 : 25)

ROOTS

IR Ingersoll Rand.

covestro

บริษัท เทอร์เรค คอร์ปอเรชั่น จำกัด

THEREC

THEREC CORPORATION LTD.

ATEX

Atex Certified Blowers

ISOMETRIC VIEW (1 : 30)

ACOUSTIC ENCLOSURE

ROOTS BLOWER PACKAGE

THEREC

SAVIO s.r.l. AIR TECHNOLOGY

FPZ BLOWER TECHNOLOGY

Ingersoll Rand

ROOTS

ATEX EXPLOSIVE ATMOSPHERES

SODECA