



# KERONE

(An Iso 9001-2008 Company)



**Automobile Industry**



**Pharmaceutical Industry**



**Rubber & Plastic Industry**



**Chemical Industry**



**Food Industry**



**Oil & Gas Industry**

• **Aerospace Industry**

• **Steel Industry**

• **Paper Industries**

# Process Equipments

Complete Engineering Solutions...

# About KERONE



KERONE is possessing experience of 40 years in engineering excellence.



KERONE is one of the most admired and valuable company for customer satisfaction.



KERONE is pioneer in application and implementation engineering.



KERONE is having immense expertise in manufacturing and implementing various types of heaters and dryers.

KERONE is possessing employee strength of more than 140 experts continuously putting efforts for happy industrial heating solutions.



ENGINEERING



EXCELLENCE

KERONE has reported annual revenue of \$8 to \$10 Million , increasing year-on-year.



## Vision

- Turn into world leader in providing specialized, top-notch quality and ecological industrial heating, cooling and drying solution across the globe.
- To attain global recognition as best of quality and environment friendly engineering solution company.

## Mission

- To enhance the value of customer operation through our customer need centric engineering solution.
- We are committed to provide our customers, unique and best in class products in Industrial heating, drying and cooling segment, with strategic tie-up for the technical know-how with renowned leader in the industry specific segment.
- We are company that believes in strong ethics and timely commitment helps to build long term relationship.



# Value Propositions



40 years of rich experience

Sound infrastructure

Adherence to standards

Timely delivery

Highly customized product

Cost effective solutions

Team of experts delivering quality

Great after sale support



## KERONE

(An Iso 9001-2008 Company)

A CRISIL-NSIC RATED COMPANY  
ISO-9001-2008 COMPANY  
AFFILIATED TO THE UNIVERSITY OF NOTTINGHAM  
MEMBER OF A.M.P.E.R.E.(EUROPE)



Member of  
AIMCAL



ASCB(E) Certification for  
Best practice



IRQAO Certified for  
quality



Member of A.M.P.E.R.E.  
(Europe).



Recognized and Rated by  
CRISIL



CRISIL Verified

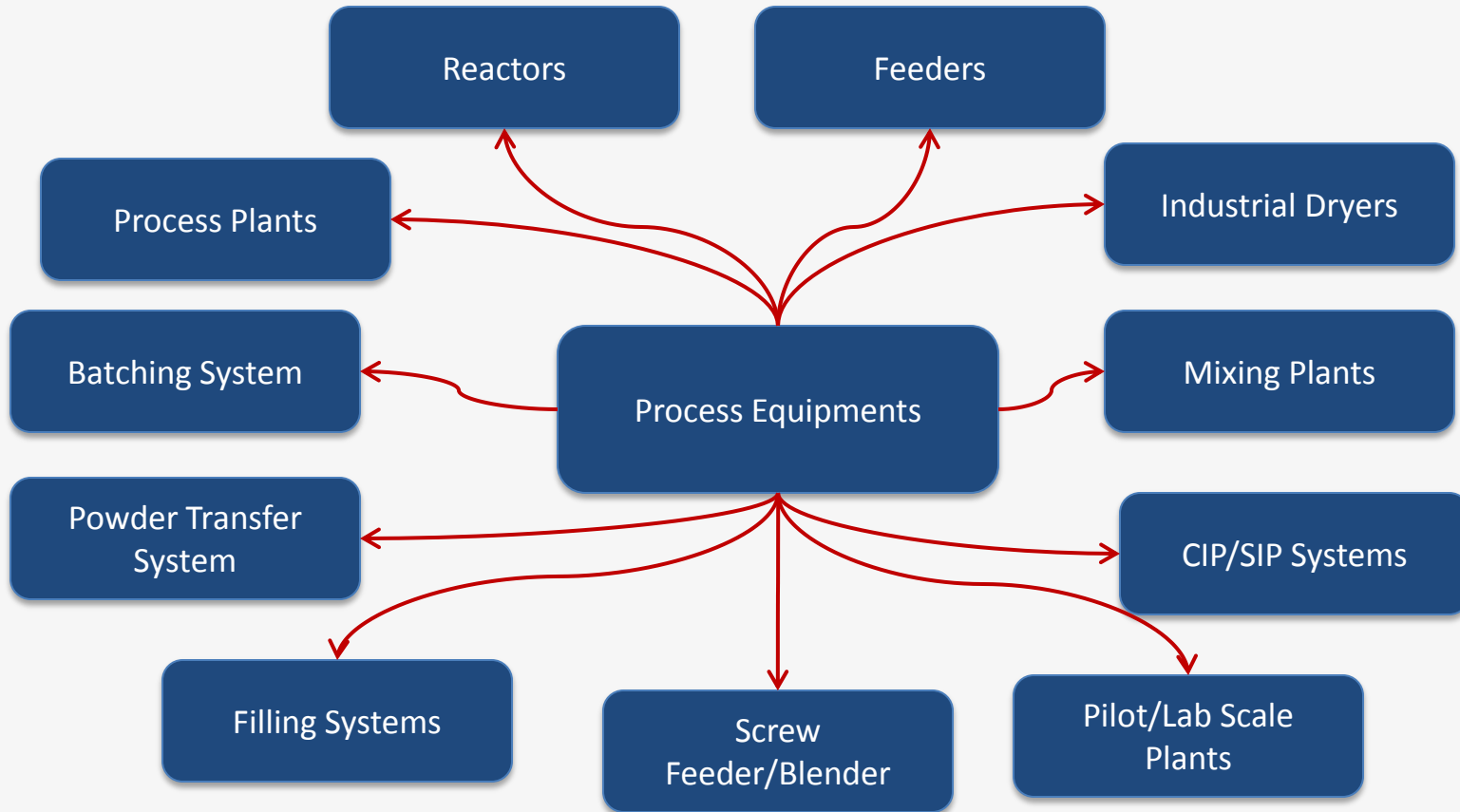
**In Association with SVCH-Technologii,  
Moscow (Russia)**



Process Equipments are arrangement of various mechanical equipments required for physical or chemical methods of mechanical and/or thermal treatment or processing of a raw material or product.

Process Equipment is usually designed with a specific process or family of processes in mind and can be customized for a particular facility in some cases.

Process Equipments are used in chemical and materials processing, in facilities like refineries, chemical plants, and wastewater treatment plants, pharmaceutical and other Industrial process engineering applications.





Reactors are vessels designed to contain chemical reactions.

We Design and Manufacture Reactor for:

- Chemical
- Pharmaceutical
- Petrochemical
- All other Processes

## Type of Reactors

CSTR (Continuous Stirred-Tank Reactor)

Semi-batch reactor

Batch reactor

Catalytic reactor

PFR (Plug Flow Reactor)

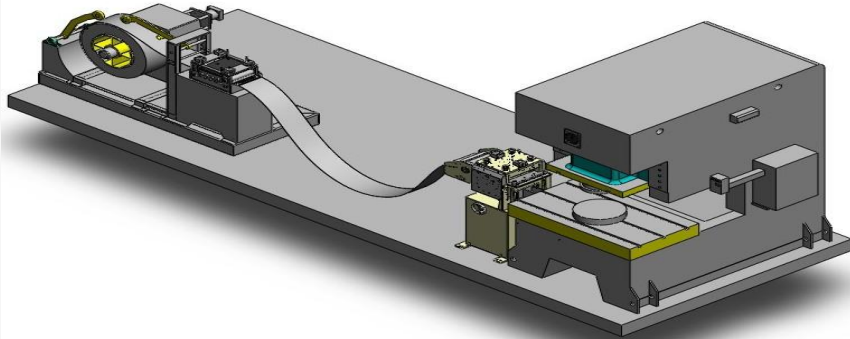




Feeder guides the chemicals, materials and ingredients into a processing machine and equipment.

We Design and Manufacture Feeder for:

- Pharmaceutical Feeder for feeding Ingredient
- Loss-in-weight Feeder
- High Accuracy Volumetric Feeder for chemical processing
- Multi Stream Feeder



## Type of Feeder

Continues  
Feeder

Batch  
Feeder

Volumetric  
Feeder







Dryers find application where its desired to remove/reduce/take out moisture or water contents from the any article.



## Type of Industrial Dryers

Microwave Dryers

Radio Frequency Dryers

Infrared Dryers

Conventional Dryers

Spray Drying

HOT AIR Dryer

Contact Drying

Pneumatic/Flash Dryer

Rotary Dryers





Mixing reactors are very commonly used for the solids dissolution, product mixing, chemical reactions, batch distillation, crystallization, liquid/liquid extraction and polymerization.



## Application of the Mixing Plants

Chemical Plants

Paint Manufacturing

Pharmaceutical Industries





Process Plants are large scale manufacturing setup, the main objective of such setup is to help the companies involved in the large scale manufacturing process.

KERONE helps following industries with its Process Plants

Chemical Plants

Pharmaceutical Plants

Biochemical Plants

Oil Refineries

Food And Beverages

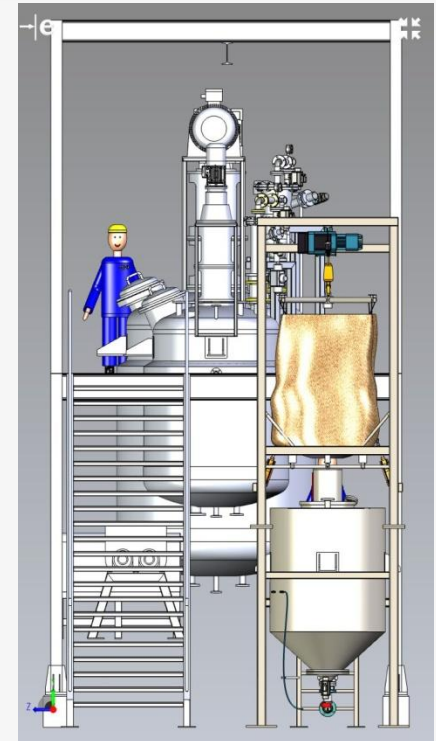
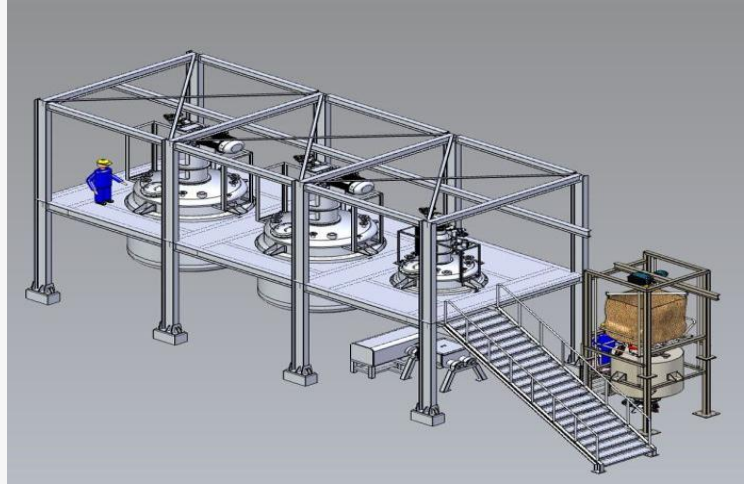
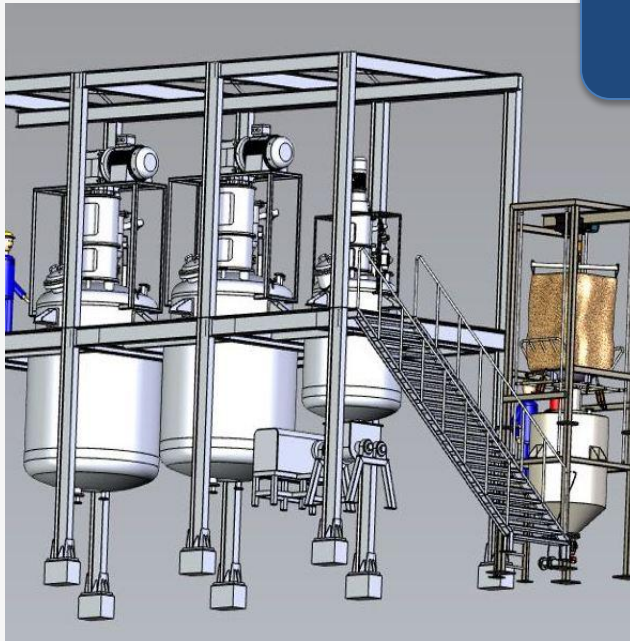




CIP (Clean-in-Place) systems offers the arrangement for cleaning/sterilising the interior surfaces of vessels, equipment, filters, pipes and fittings, without disassembly them.

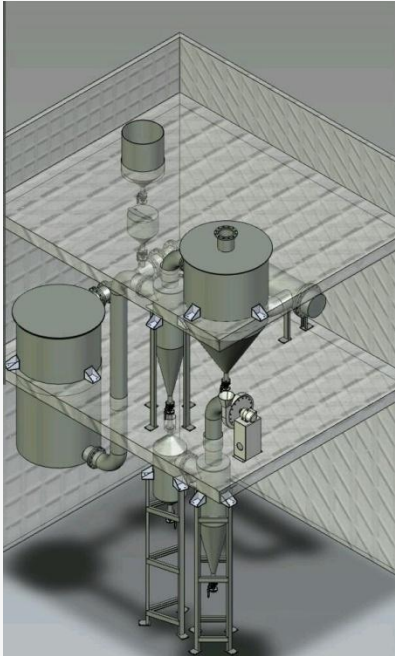
SIP (Steam-In-Place) Systems are liable for frequently steaming parts of product contact, vessels, flow paths, and sample ports.

The CIP/SIP systems together helps in maintaining the desired level of hygiene, by continuously killing the germs



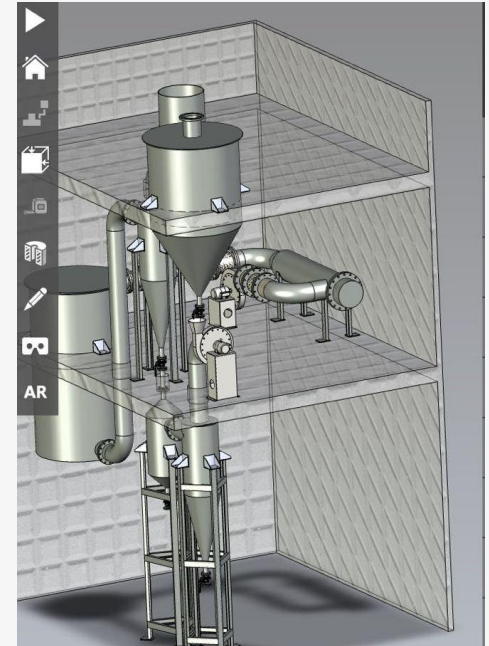


The PTS Powder Transfer System is an extraordinarily efficient and dependable technique of conveying and dispensing dry and wet powders and granules.



## Main Components of Powder Transfer System

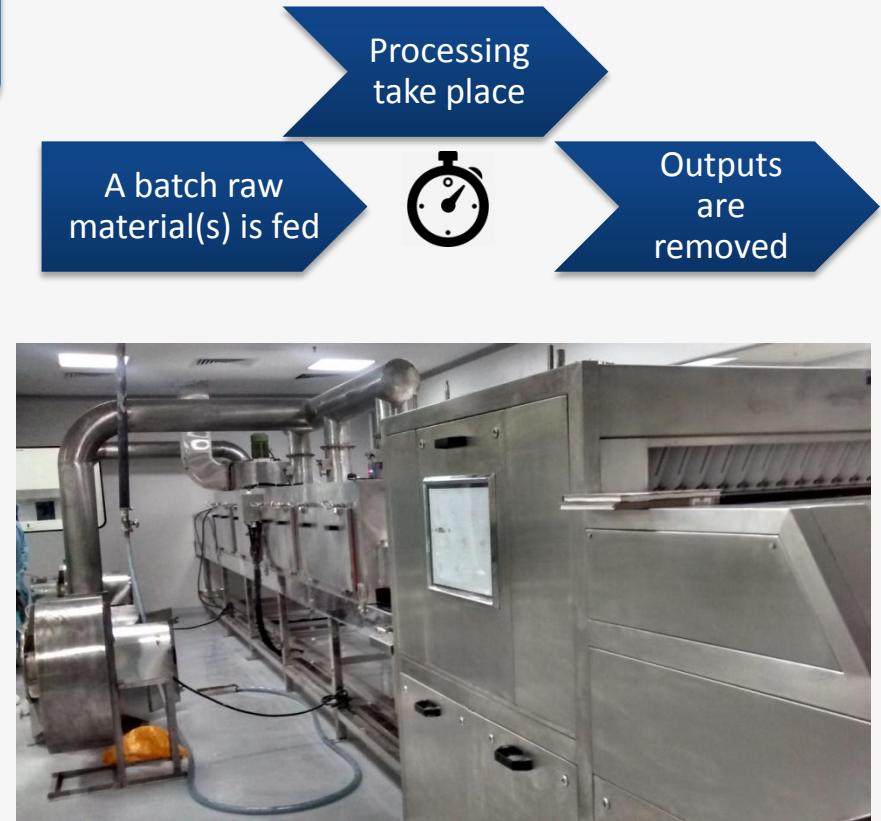
- A vacuum conveying system utilizing Roots Blower, Modular construction equipment.
- Jet Air Wand with Air regulating Damper.
- Jet Air Wand fitted with stainless steel wire mesh to stop foreign particles entry in to process.
- Entire transfer through electro polished pipe with curvilinear bends and isolating valves both manual and pneumatically actuated.
- Suitable filters pleated 5 micron in the product unloading chamber, pulse jet type for inside cleaning.



# Batching Systems



A batching system is batch operating production process, in this production occurs in sequential steps in discrete batches.





## Pilot Scale Plant

Pilot scale process equipments are for small industrial system, which is operated as the subset of the full-fledged industrial machinery. Pilot scale process equipments are just replica of the large scale process equipment only difference is the size and input capacity which is comparatively less.



## Lab Scale Plant

Lab scale process equipments are very small scale processing such as R&D and laboratory experiments, the lab scale process equipments are made to provide the high level of accuracy. As the name suggests the lab scale process equipments are comparatively smaller in size and capacity but are equipped with the high degree of control and various experimental setting.



Single Fluid Heating System

Single fluid heating cooling system is normally connected to a single reactor, where the Temperature of the system is varied as per the process requirement.



Hot Water Systems

The Hot Water System is available for use with plant steam or electricity as the heat source. Both steam and electric units come in single and dual zone configurations.



Skid Mounted Reaction Unit

Expensive and high-grade products are not produced in large quantities, as they are typical for pharmaceutical industry, & also for fine/special chemical areas.



Fractional Distillation

We design Many types of Distillation Operations could be carried out in the system like as Simple Distillation, High Vacuum Distillation, Fractional Distillation, Azeotropic Distillation.

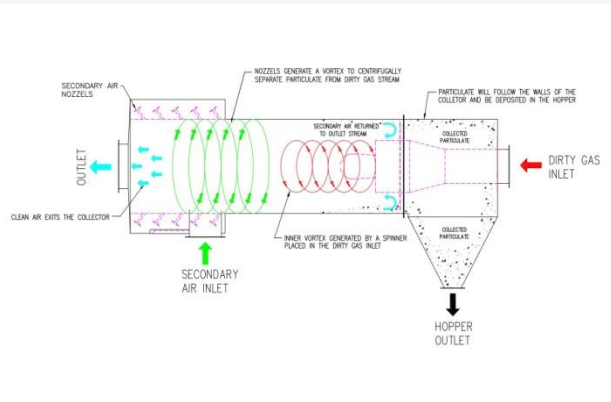
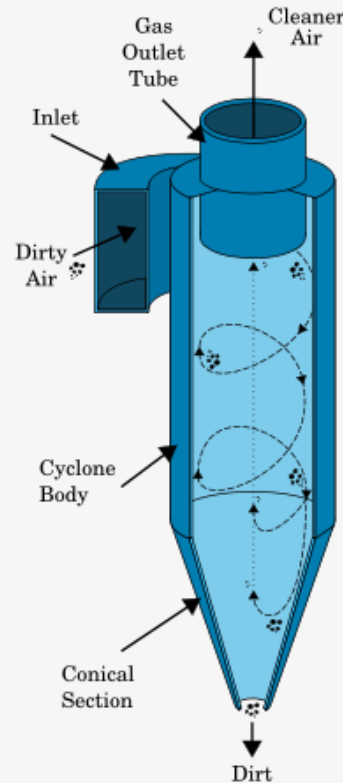
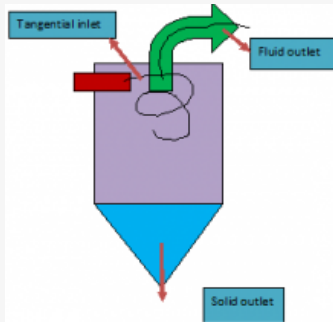


# Cyclone Separator



**Definition:** Cyclone Separator is used to separate the solids from the air, gas and liquids without any filter.

**Operating Principle:** Cyclone separator operates on the principle of the centrifugal force. The separation depends on both the particles size and the density of the particles.



## Typical Working

The suspensions of a solid gas usually air is introduced tangentially at a very high velocity so that rotary movement takes place within the vessel.

The fluid is removed from the central outlet at the top.

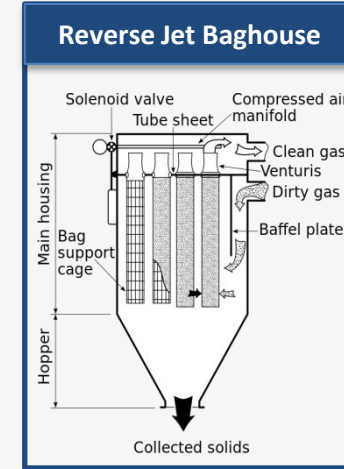
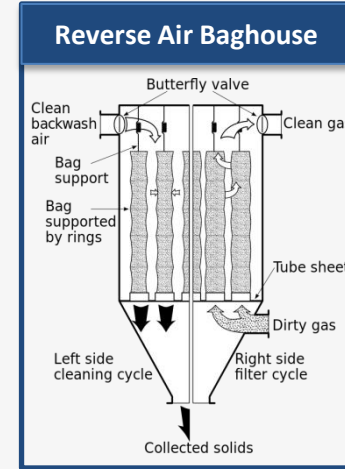
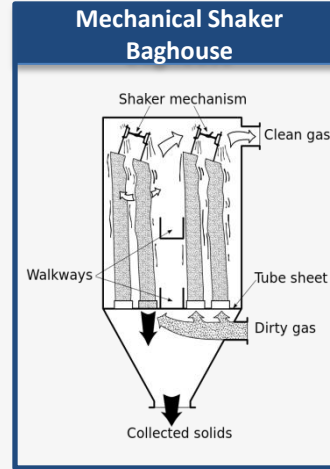
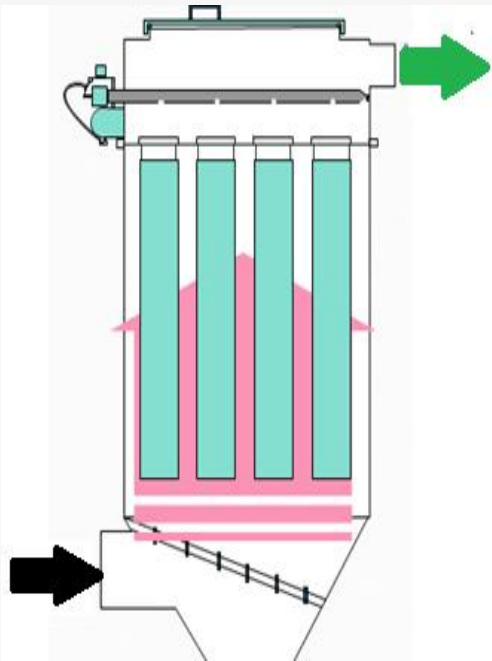
The rotary flow within the cyclone separator causes the particles to be acted on by centrifugal force.

The solids are thrown out to the walls, there after it falls to the conical base and discharged out through solids outlet

# Bag House Filter



The Bag house or fabric filter is an air pollution controlling mechanical setup; it removes the contaminations from the air/gas released from the industrial processes.



# Trusted Partner of following consultants



# Our Clients



## Serving across Continents:



We are Exporting more than 50 Countries...

# THANK YOU

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