

# IMPACT ENGINEERS

*Manufacturer of Pharmaceutical Machineries*

## ABOUT US

We are a reputable pharmaceutical process unit manufacturing company. We envision ourselves as pioneers in pharmaceutical process unit manufacturing, leveraging the latest technologies and methodologies to revolutionize the industry. Our aim is to become the preferred partner for pharmaceutical companies seeking world-class machinery that guarantees unmatched performance and compliance

## WHAT WE DO

Committed to excellence and driven by a team of highly qualified professionals, we design, manufacture, install, and provide technical support to ensure that our clients get the desired output. Our dedication to quality and adherence to **cGMP** norms and **ASME BPE** standards ensure that our clients receive top-notch equipment for their pharmaceutical production needs.

## WHY US

Our commitment to quality and client satisfaction is ingrained in every aspect of our manufacturing process. We follow stringent quality control measures and conduct thorough testing at each stage to ensure that our pharmaceutical machinery meets the highest industry standards and our clients requirements.

## OUR PRODUCTS

- Ointment Processing Plant
- Sterile Processing Plant
- Liquid Syrup Processing Plant
- Rapid Mixer Granulator (RMG)
- Fluid Bed Dryer (FBD)
- Auto-Coater

## WE IMPORT FROM

Siemens | Mitsubishi | Festo | ABB  
| SEW | Bonfiglioli Spirax | Lechler |  
Hindustan | Gemu

## TO KNOW MORE



## CONTACT US

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## STERILE PROCESSING PLANT



### **Applications:**

- Pharmaceutical Industry
- Bio Pharmaceuticals

### **Salient Features**

- cGmp Manufacturing Vessel
- Magnetic Mixers
- Zero Dead Leg Bottom Valve
- Sampling Valve
- Filtration Unit
- Dip Tube
- pH Sensor
- Conductivity Sensor
- Dynamic Spray Ball
- CIP / SIP COMPETENT
- Load Cell
- Automation With HMI
- SCADA, 21CFR PART11
- 5 Liters - 2000 Liters Capacity

## OINTMENT PROCESSING PLANT



### **Applications:**

- Pharmaceutical Industry
- Cosmetics
- Toothpaste Manufacturing

### **Salient Features**

- Manufacturing Vessel
- Wax phase Vessel
- Water Phase Vessel
- Tilting Manufacturing Vessel
- Top Mounted anchor
- Hydraulic Lifting
- Bottom Mounted Stirrer
- CIP / SIP competent
- Load Cell
- Vacuum Transfer
- Zero Dead Leg Outlet Valve
- Dynamic Spray ball
- Transfer Lobe Pump
- Automation with HMI
- SCADA, 21CFR PART 11
- 5 KG - 5000 KG Capacity

## LIQUID SYRUP PROCESSING PLANT



### **Applications:**

- Pharmaceutical
- Food & Beverages

## CIP/SIP MODULE



### **Applications:**

- Pharmaceutical Industry
- Bio Pharmaceutical Industry
- Dairy Industry

### **Salient Features**

- Syrup Mixing Vessel
- Sugar Melting Vessel
- Sugar Syrup Filter
- Filter Press
- Bottom Inlet
- Bottom Mounted Agitator
- Load Cell
- CIP Competent
- Dynamic / Static Sprayball
- Vacuum Transfer
- Vent Filter
- Jacket Temperature Control
- Vortex Breaker
- Automation with HMI
- 10 L to 5000 L Capacity
- SCADA, 21CFR PART11

### **Salient Features**

- Mobile Tank
- Dosing Pump
- One, Two, Three, Four Tank
- Supply & Revers Pump
- Heat Exchangers
- Conductivity Sensor
- Steam Trap
- Non Return Valves
- Complete Automation
- Automation With HMI
- SCADA, 21CFR PART11

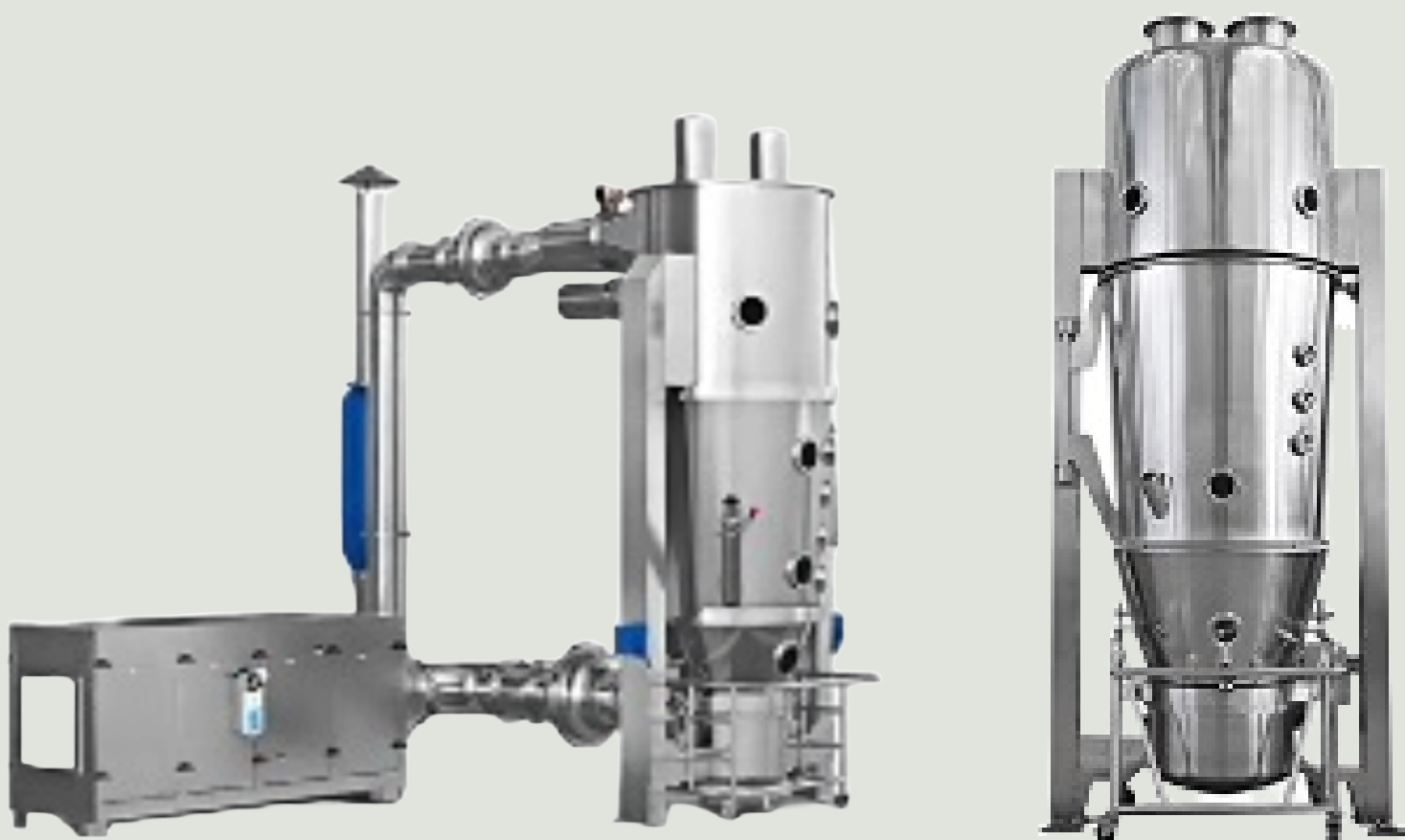
## **RAPID MIXTURE GRANULATOR**



### **Applications:**

- Pharmaceutical Industry
- Nutraceuticals Industry
- Food, Dairy Industry

## **FLUID BED DRYER (FBD)**



### **Applications:**

- Pharmaceutical Industry
- Nutraceuticals Industry
- Food, Dairy Industry

### **Salient Features**

- Mixing Bowl
- CIP Competent
- Pneumatic Discharge
- Bottom Impeller
- Granulator / Chopper
- Pneumatic Lid Lifting System
- Vent Filter
- View Glass With Wiper
- Binder addition Port
- Co-mill
- PLC
- HMI
- SCADA, 21CFR PART11

### **Salient Features**

- Main Body
- Product Container
- Bottom Chamber
- Explosion Relief Flap
- Inlet Air Preparation Unit
- Main Chamber
- Filter Assembly
- Steam Radiator
- Temperature Control
- PLC / HMI
- SCADA, 21CFR PART11

## AUTO-COATER



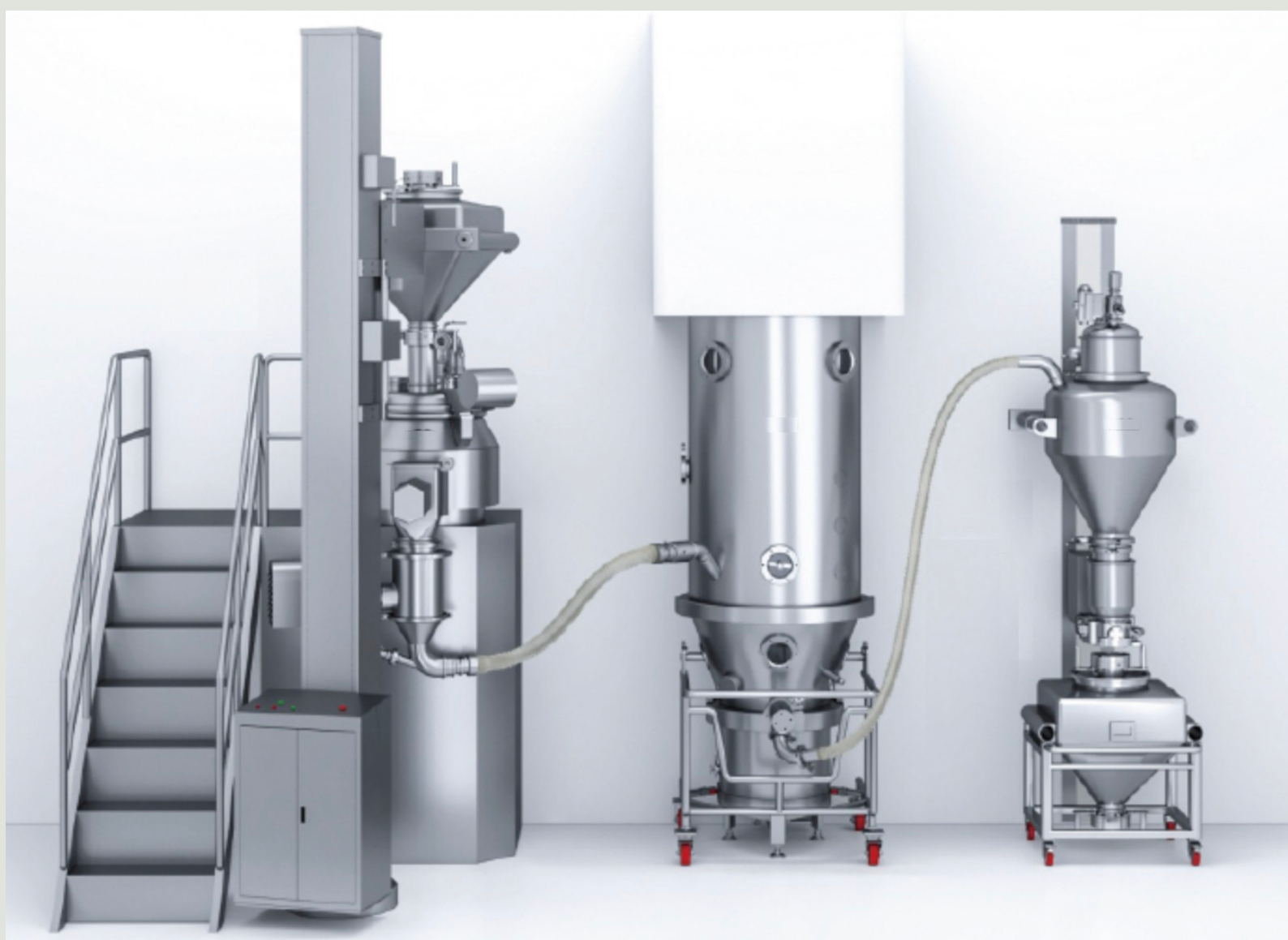
### **Applications:**

- Pharmaceutical Industry
- Nutraceuticals Industry

### **Salient Features**

- Coating Pan
- Pan Drive
- Baffles
- Coating Solution Assembly
- Solution Storage Vessel
- Peristaltic Pump
- Spray Gun
- Air Preparation Unit
- Inlet & Exhaust Blower
- Inlet Air Filters
- Hepa Filter
- Wip System
- Wet Scrubber
- SCADA, 21CFR PART11

## INTEGRATED WET GRANULATION



### **Application**

- Highly Toxic / Highly active API
- OEB with isolator pharmaceutical equipment
- R&D / F&D

### **Salient Features**

- High Shear Mixer
- FBD with coater
- Milling & Blending
- CIP-WIP Competent
- Small Space Constraint
- Automation with HMI
- SCADA, 21CFR PART 11

## ACCESSORIES FOR GRANULATION LINE



**CO-MILL**



**MULTI-MILL**



**VIBROSHIFTER**



**PASTE KETTLE**

## ACCESSORIES FOR LIQUID LINE



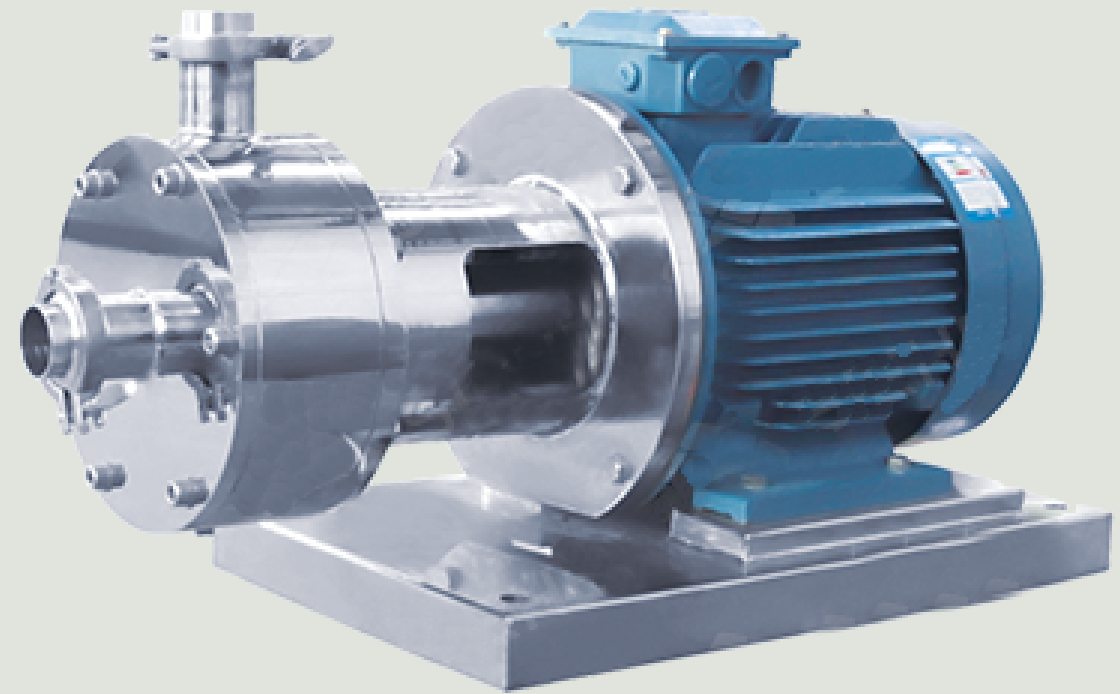
**PRESSURE VESSEL**



**TOP MOUNTED HOMOGENIZER**



**CHARGING BIN**



**INLINE HOMOGENIZER**



**BATCH STIRRER**



## FABRICATION STANDARDS

Vessel: ASME Sec, VII Div.1, AD-Merkblatt,  
ASME BPE, Heat exchangers: TEMA



## GMP NORMS

USFDA, WHO, cGMP, EHEDG,  
ASME(BPE), ISPE Baselines, ISO-14159



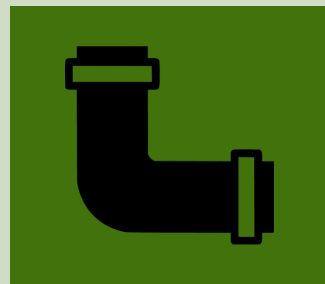
## EUROPEAN STANDARDS

Vessel Design : EN – 13445  
NDT Standards : EN – 1435, 895, 2517 & 571.  
aHygenic Design : 83 EN 1672 – 2



## QUALIFICATION DOCUMENT

ISPE Baselines Vol 5



## PIPING STANDARDS

Process : (BPE) / SA 270  
Utility : ANSI B 31.3



## AUTOMATION STANDARDS

GAMP5 & 21CFR part 11

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