

# NISC

## INDUSTRIES

Engineering. Surveying. Solutions.



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# ABOUT US

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NSC Industries PVT Ltd. is Group Company of NATIONAL STEEL CORPORATION founded in 2012 by group of professionals after successful research & development in manufacturing of Industrial valves and fitting implementing the practical experience and knowledge in this field.

From 2022 with a huge manufacturing infrastructure at uttarshiv, New Mumbai, We have started manufacturing & supply of complete Process equipment and turnkey based plants for food, pharma & chemical industries. We are one of the fast-growing engineering firm of EPC of complete food, pharma, agro & chemical processing equipment & system on a turnkey basis with the purpose of fulfilment of their Engineering & Industrial requirements.

We have technical expertise and believes in a best quality product which will meet challenging demands of the customers in this field. A strong technical team with a blend of deep experience and technological knowledge leads the company to meet the demands of Pharma, Petroleum, Speciality Chemical, Oil & Gas industry, Defense, Research, Dairy, Beverages.

## THE JOURNEY

Our journey started with small manufacturing unit producing stainless steel bar stock ball valves and pressure regulators. Today we are emerged as a group company with more than 55,000 sq. ft. area specialized in high quality Ball valves, Needle Valves, Check Valves, Pressure Safety Valves, Flush Bottom Valves, Pressure regulators, Compression fittings, Quick release Coupling, Pipe Fittings & Process equipment such as Jacketed and limpet coil reactors, Pressure vessel, heat exchanger, distillation column, all type of mixing and blending systems used in Pharma, Chemical, Oil and Gas Industry.

Today we are the leading manufacturer of Industrial Valves and fittings specialized in high pressure Ball Valves up to 20000 psig and as per customer requirement. All the product components are machined on VMC and CNC machines with high end accuracy, tolerances and precision.

NSC Industries Pvt Ltd. is bound to ensure that all our products that we manufacture, undergo precise quality checks as per international standards right from the selection of the raw material to final finished products.

## TEAM

We are a team of around 25 people with qualified staff, skilled technicians and machinist including core team of highly professional engineers, required to produce the desired quality and accuracy as per international standard.

## VISION

To provide import substitute products in India at reasonable price by maintaining international quality standards, Continual Improvement in products, processes and technology.

## MISSION

'To become India's No.1 industrial solution provider in the field of our expertise. at "NSC Industries Pvt Ltd. we strongly follow hon. Indian Prime minister Mr. Narendra modi's campaign of make in India"

# CONTENT

**INDUSTRIES WE SERVE**

**FACILITIES**

**HEALTH SAFETY & ENVIRONMENT**

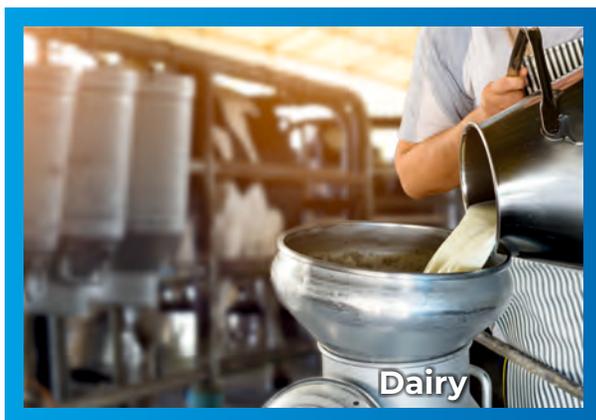
**PRODUCTS PORTFOLIO**

**▪ PROCESS EQUIPMENT**

**▪ TURNKEY SOLUTIONS**



# INDUSTRY WE SERVE



# FACILITIES

## WORKSHOP

NSC Industries Pvt. Ltd. is comprised of 55,000 sq. Ft. of land area having a total of 1 big scale production bays with state of the art equipment, machinery & infrastructure. To ensure high standard of quality & service. Consistently we are planning to develop a dedicated Bay exclusively for increase production capacity with stainless steel, alloy steel, duplex and super duplex steel.

CONVENTIONAL LATHE MACHINE	DRILLING MACHINE	WELDING MACHINE	GRINDER MACHINES
10ft, 650mm Center Height: 1No	1½"Radial Drilling: 1Nos	Aluminium TIG Set: 2Nos	7"Angle Grinder: 7Nos.
06ft, 300mm Center Height: 1Nos	1½"Hand Drilling: 1Nos	Tig Welding Set: 7Nos	7"Sander: 2Nos
04ft, 200mm Center Height: 3Nos	1/4"Hand Drilling: 1Nos		GQ-4Grinder: 1Nos

SPOT WELDING MACHINE	HAND SHARING MACHINE	ROLLING MACHINE	PLASMA CUTTING
UP TO 3 +3mm	UP TO 3mm	12mm, 2000mm	30mm

HANDLING FACILITY	BUFFING MACHINE	VERTICAL MILLING CENTRE (VMC)	LASER MARKING MACHINE
25T, overhead crane = 1 No.	1 Nos 180, 240 Grit		

MEASURING AND TEST EQUIPMENTS	BANDSAW CUTTING MACHINE

ONE FURNING CENTRES	HYDRO AND PENUMATIC TESTING

## STANDARDS

With commitment to deliver standards in the form strongly standard follows during world class as per industry of our products and services we iso, asme, tema, api, is and bs etc. Design and fabrication practices of process equipments to meet your technical needs.

Also we use softwares such as Autocad, Navis work, PIPENET, Solid Work, PV-elite, stad pro etc to design 2d & 3d models of process equipments and mini plants.

## MOC'S

Here's your something abilities challenge. And that's incredibly having powerful about being confident the why NSC right equipment to engineers puts in take on any premium on a keeping our facility updated with manufacturing on various moc's. We serves global clients with following moc's

- Ms fabrication
- Hastelloy fabrication
- SS (all) fabrication
- Aluminium alloy fabrication
- Duplex steel fabrication
- Titanium fabrication
- Copper alloy fabrication
- Inconel alloy fabrication

# HEALTH SAFETY & ENVIRONMENT

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## OUR HEALTH & SAFETY POLICY

NSC is committed to the health, safety and wellbeing of its employees, customers and contractors by fostering an atmosphere that focuses on the prevention of incidents and preservation of the environment. Environmental activities we will operate legislations and in compliance constantly with strive to all relevant conduct all in an efficient and eco-friendly manner, meeting guidelines and codes of conduct.

## OUR COMMITMENT IS TO

- Comply with All applicable legal, contractual, local and international Legislations as well as our EHS related activities.
- Ensure that the responsibility of EHS is shared at all levels, from entry level to executive level.
- Regularly audit our EHS system and EHS performance and strive for continual improvement.
- Ensure that all employees are adequately informed of identified Risks And, where appropriate, receive relevant information, instruction, training and supervision.
- Revitalize our HSE commitment by promoting an effective employee representation, consultation and involvement to align our safety values with our business goals.
- Ensure continual reduction in risks related to health, safety and environment by establishing, Monitoring and achieving improvement objectives.
- Maintain adequate documentation of the EHS management system which will be the framework for setting and, reviewing objectives and targets and continually improving our EHS.
- Ensure compliance of this policy for all employees, contractors and visitors.

# PROCESS EQUIPMENT

## PRODUCT PORTFOLIO

### 1. JACKETED REACTOR

Jacketed reactor is used for the mixing/blending operation or chemical reactions which consists of a cylindrical vessel with agitator and impeller driven gearbox motor assembly provided with external jacket for heating or cooling depending upon the process material application. This equipment is an integral part of every process industries like chemical pharmaceutical and allied industries. The reaction vessels can be designed for the internal and external pressure and temperature.

All over India covering all north to south and east to west regions of India, including domestic and global dealer presence for local support.

- Our capacity ranges from 100Lts to 20,000 Lts in Alloy metals (Hastelloy, titanium, tantalum), SS & MS
- Jacket closure welding is performed by using high grade filler-rod to withstand closure ring tension



### 2. LIMPET COIL REACTOR

It consist of a cylindrical vertical shell with standard tori spherical dish on both ends. Limpet coil is half round pipes welded on the outer surface of the shell and also on the bottom dish of the reactor. Limpet coil is made of either mild steel or stainless steel. It is either double end double start for both heating and by cooling through limpet coil or normal single coil for either heating or cooling. Limpet coil welding is performed by using high grade flux core filler wire depending on MOC of the limpet coil to withstand design pressure.

- Our capacity ranges from 50 Lts to 20,000 Lts in Alloy metals (Hastelloy, titanium, tantalum), SS & MS
- Jacket closure welding is performed by using high grade filler-rod to withstand closure ring tension



### 3. PRESSURE VESSEL

- S.S body with rectangular central portion top & circular bottom with a butterfly valve.
- Ideal in injectable section for filling sterile products.
- Provided with, inlet - outlet nozzle and safety valve.
- Joints are argon welded.
- A long tube is provided to ensure complete draining out of the fluid.
- Working pressure of 3 kg/cm. square.
- For air-tight sealing silicon "o" ring is used.
- Available size 50-20,000 Liters
- MOCs: 304/316/316L, Inc 625, Inc 800HT, Hastelloy C 276 etc.



#### 4. STORAGE TANK

We offer a range of storage tanks suitable for storage of chemicals, strong acids, alkalis, oxidizing agents etc. according to the chemical/acid properties, storage specifications, vertical/horizontal, we design the tank in mild steel and stainless steel. Various types of linings are also offered by us for protecting the tanks from corrosive nature of the chemicals and acids Storage tanks are durable in construction finish and finds application in different processes in chemical industries like crystallization, distillation, hydrolysis, neutralization and others.

These storage tanks are offered to our clients in the following shapes :

- Horizontal Storage Tanks
- Vertical Storage Tanks
- Elliptical Shaped Storage Tanks
- Dished Shaped Storage Tanks
- Flat Storage Tanks
- Conical Head Storage Tanks

We hold expertise in offering SS Storage Tanks for meeting the process demands of chemical industry. We use various material of construction such as MS, Boiler Quality Plates, Stainless Steels, Alloy Steels, Aluminum, MS/Lead bonded.

**Capacity from :** 50 Liters. To 30,000 Liters. In M.S., S.S. 304, S.S.316 Material.

**Applications :** Chemicals, Pharmaceuticals, Food Products, Dairy & others.

#### 5. HEAT EXCHANGER

we offers a wide range of heat exchangers for all types of industries, especially chemical, petrochemical, pharmaceutical, fertilizer, cement and sugar. These heat exchangers are supplied as per both customers' specifications and drawing or custom built based on process conditions. A well-equipped design team understands the customers' need and proposes the required design for their approval. Basically, the designs conform to ASME and TEMA codes and if required, a third-party inspection.

We offer three types of shell and tube heat exchangers namely.

Fixed tube sheet type, removable bundle type - U-tube type

#### Materials we handle:

Austenitic Stainless Steel (All 300 series)/ Carbon Steel/ Alloy Steel/ Hastelloy/ Inconel/ Monel/ Nickel 200/ Cu-Ni Alloys/ Titanium/ Duplex

Construction codes followed:

ASME boiler & Pressure Vessel Code/ TEMA/ EN 13445 & AD 200 with CE marking



## 6. FLUID BED DRYER

Fluidized bed dryer is a kind of equipment used extensively in the pharmaceutical industries to reduce the moisture content of pharmaceutical powder and granules. The equipment works on a principle of fluidization of the feed materials. In fluidization process, hot air is introduced at high pressure through a perforated bed of moist solid particulate. The wet solids are lifted from the bottom and suspended in a stream of air (fluidized state). Heat transfer is accomplished by direct contact between the wet solid and hot gases. The vaporized liquid is carried away by the drying gases.

### FEATURES:

- In compliance with cGMP guidelines
- Modular Design
- Uniform Drying with reducing Drying time
- Quick Dismantling of Dutch Sieve & Perforated Sheet at the Product container
- Online Sampling Device (optional)
- Fully Automatic Operation through Programmable Agitated nutsche filter dryer (ANFD) Logic Controller (optional)
- Product Container with Stirrer (optional)
- Flameproof Construction (optional)
- The blower motor of higher capacity will be required in the machine if supplied with HEPA, Scrubber & ducting length above 5 meters.

Agitated nutsche filter (ANFD) is a filtration technique used in applications such as dye, paint, and pharmaceutical production and waste water treatment. Safety requirements and environmental concerns due to solvent evaporation led to the development of this type of filter wherein filtration under vacuum or pressure can be carried out in closed vessels and solids can be discharged straightaway into a dryer. Our locations in various well known regions to agitated nutsche filter dryer is high-quality equipment designed for solid-liquid separation processes, by filtration under pressure and vacuum drying, for the pharmaceutical, chemical, fine chemical and food Industry domestic and international clients with purpose of fulfillment of their engineering & industrial requirements.

### FEATURES:

- Capacity - 5 - 12000 LTRS
- Design and Construction: ASME Sec. VIII, Division-I
- Single (Monoblock) or Double (Detachable base) model
- MOC- SS304/SS316/SS316L



## **Optional Items/ Accessories of Agitated Nutsche Filter Dryer**

1. Provision for Lump breaker
2. Various types of Coating for Wetted Parts like - HALAR/ ETFE/ PFA/ PVDF/ PP (Food Grade) and Hastelloy for Friction Parts etc.
3. Detachable portable filter unit supplied on caster wheels.
4. CIP, SIP and WIP
5. VFD for RPM Controller
6. Load Cell
7. PLC with HMI/ SCADA

## **8. INLINE HOMOGENIZER**

High shear homogenizer works on the principle of the high centrifugal force produced due to the high rpm of the rotor mounted on the main spindle and thus producing a very high shear due to the specially designed minimal tolerance between the rotor and stator. The high shear homogenizer is homogenizing the feed particle into the fine droplet size and the degree of homogenization is very effective and capable for diverse products such that creams, lotion, flavor emulsion, dispersion of fine particles, blending of semi-liquid, dissolving, pasteurization, etc.

NSC Industries makes high shear mixer homogenizers which are characterized and acceptable by their flexibility, economically, technically as well as safety aspects. It works in a minimal tolerance between rotor and stator which provides much more fine results.



## **9. CYCLONE SEPARATOR**

NSC Manufacture Wide range of Industrial Cyclone Separator Our Cyclone Separator is equipped with advanced features that ensure its high operational effectiveness and quicker cleaning actions. The Cyclone Separator offered by us is designed with high capacity motor which helps in swift cleaning.

### **FEATURES**

- Sturdy and long life
- Quick color change
- Powder bin cum hopper
- Less floor space occupation
- Easy maintenance.

### **APPLICATIONS**

- Cement industry
- Powder conveying industry
- Abrasive industry
- Rubber industry



## 10. INDUSTRIAL SCRUBBER

Scrubbers are high efficiency air pollution control equipments used to remove particulate matter, fumes and gases (especially acid gases) from industrial processes. The process takes place by 'scrubbing' the pollutants by contacting them with a scrubbing media (either wet or dry) thus resulting in a residual exhaust of negligible particulate size. We thus categorise them into dry and wet scrubber systems.

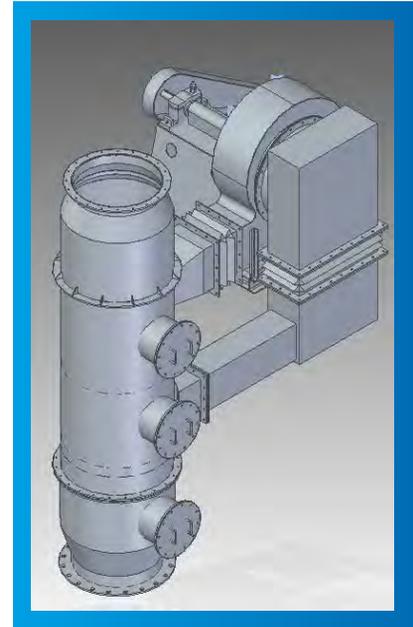
**Wet Scrubbers:** A Wet Scrubber System uses either water or other liquid solutions to scrub particulate matter and harmful gases from the gas stream. A Wet scrubber captures the particles in fine liquid mist droplets or in layers of scrubbing liquid and then separates the liquid droplets from the gas stream.

Efficiency of scrubber depends upon the following major parameters:

- Formation of mist of tiny droplets
- Resistance produced due to pressure drop creation
- Selection of suitable scrubbing liquid for gaseous pollutants
- Relative velocities between dust particles & liquid droplets
- Uniform mixing between gas molecules and liquid phase
- Treatment and reaction time between liquid droplets and gas molecule
- Selection of appropriate liquid to gas ratio

### Industrial Application:

- Acid Mist
- Furnaces
- Autoclaves
- Gas absorption
- Building product mfg.
- Incinators
- Blow tanks
- Kilns
- Boilers
- Lime hydrators/slakers
- Conveyors and transfer points
- Odor Control/removal
- Cupolas
- Crushers and screens
- Palletizing dissolving tank
- Vents rendering
- Dryers
- Sand systems/strong>
- Fumes/VOC smelters



## 11. DISTILLATION COLOUMN

Distillation is the most widely used separation technique used today in industries such as the petrochemical, chemical plant and natural gas processing. NSC Industries™ manufacture small and large distillation columns for a wide range of applications. Internals are generally supplied by clients or through renowned well vendors specializing only on internals. Through good engineering and quality workmanship, we ensure that our columns are working at the most efficient levels possible.

In fractional distillation, the vapour is condensed and then re--evaporated when a further separation occurs. It is difficult and sometimes impossible to prepare pure components in this way, but a degree of separation can easily be attained if the volatilities are reasonably different. Where great purity is required, successive distillations may be used.

We are expert in distillation for various multi component separation methods:

- Batch Distillation
- Continuous Distillation
- Steam Distillation
- Azeotropic Distillation
- Extractive Distillation
- Vacuum Distillation
- Flash Distillation
- Short Path Distillation

Industrial application of Distillation Column

- Oil Refining  
(Crude Oil, Base Oil, Used Oil Refining)
- Desalinizing Water
- Distilled Spirits
- Solvent Recovery
- Petrochemical Industries
- Pharma & Cosmetic Industries



## 12. PROCESS PIPING

▪ We offer piping design services to EPC, PMC's Engineering Contractors, and OEM's Owner/Operators globally. Our design team has a wide experience of designing piping solutions for a variety of complex or simple processes for both onshore & offshore customers. And, using our efficient services that meet international codes and standards, the clients can rest assured of meeting the much-required quality norms on project deliverables.

▪ Our team of engineers, designers, and specialists have extensive experience in three-dimensional plant modeling, process equipment design & layout, piping systems design (including air, water, fuel, chemicals, and high-temperature steam with power and auxiliary system evaluation and improvement. As a process piping engineering and Design Company, equipped & experienced with various licensed software tools, we have the know-how to solve and avoid challenges through design that a piping system may face.

We are always at the forefront to assist with situations that may not be obvious at the outset of the design effort.

Industry Codes and Standards adhered to by our Designers

ASME B31.1, B31.3, B31.4, B31.8, B31.11, BS EN 13480, BS EN 14364, Shell DEP

Our Piping Design Services for any plant facility would include, 3-D Piping Design, Piping Layout, Piping Supports, Piping Material Selection, Piping Spools, Piping Isometric Drawings, Bill of Material, Material Takeoff (MTO), and Clash Detection. We pay special attention to the layouts & maintenance problems while designing the system. It comprises of placing of control valves, cost-effective pipe routing, optimum pipe size calculations, piping support design, and much more. We help our clients with design outcomes that enable them to construct efficient & resilient plant facilities that sustain a longer project cycle.

Listed below are the focused services offered by our piping engineering consultants:

#### Piping Design and Engineering

- Piping Database handling & Setup
- Piping 2D/3D route modeling
- Performing piping analysis studies
- Preliminary piping layout, including nozzle orientation
- Preparation of preliminary & detailed GADs, BOMs/MTOs, etc.
- Expansion of piping material specifications (PMS)
- Preparation & Construction of line list according to P&ID
- Preparation of isometrics
- Final GADs/BOM

#### Stress Analysis

- Identification & Preparation of critical line list from the piping system design line list according to design standard
- Modeling in software such as CAESAR II and Auto PIPE from isometrics
- Prepare stress isometrics
- Nozzle datasheets
- Accurate reporting from CAESAR II and Auto PIPE

#### Piping Support Engineering

- Special support preparation
- Preparation of datasheets and requisition for spring hangers, expansion joints, snubbers, slide plates, etc.
- Pipe design & drafting support layouts
- Pipe support detail drawings
- Pipe support markings based on industry standards and special requirements



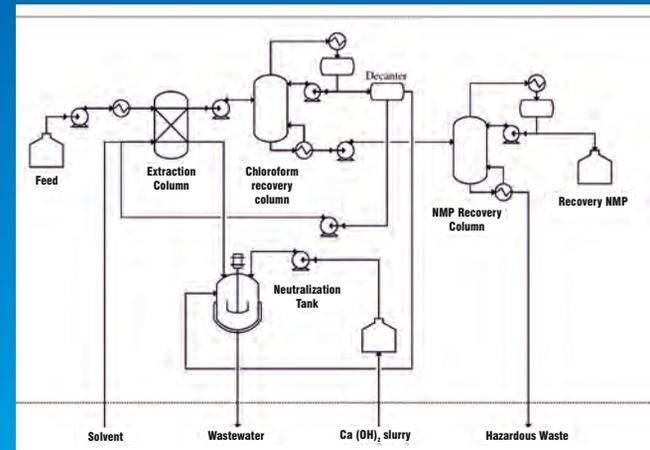
# TURNKEY PLANTS

## PRODUCTS PORTFOLIO



# 1. SOLVENT RECOVERY PLANT

Solvent recovery system is a process system that takes effluent and extracts useful solvents and raw materials back out of the process waste stream. The recovery of solvents from effluent can be achieved with a variety of technologies. A common recovery method is solvent distillation systems, but liquid-liquid extraction, absorption systems, film evaporation, crystallization, and membrane separation can also be used, depending on the application.



## What is a solvent recovery system and when are they used?

Solvent recovery systems extract solvents for re-use out of effluent streams. They can reduce the demand for purchase of new solvents & process inputs by recovering chemicals that can be reused in production or to flush the system between runs. They can also help manufacturers meet regulatory requirements or process standards by cleaning waste streams before they are released from the plant. support.

**We are aware of pre & after sales services, so that** with increasing our locations in various well known regions to cover all Domestic and international clients with purpose of fulfillment of their Engineering & Industrial requirements. Our presence is all over India covering all north to south and east to west regions of India, including Domestic and global dealer presence for local support.

## Is recovered solvent as good as new solvent?

Many solvent applications can recover original inputs to their full former purity by extracting them completely from the effluent stream. Recovering 75% of the input volume of a chemical solvent at full purity for reuse is a typical result of this type of system, and in these cases the recovered solvent should be as effective as a new solvent.

But not all solvents are recoverable to original state, depending upon how they were used and the relative boiling points of substances in the effluent stream. The composition of reclaimed solvent is very dependent on how well you can separate (and usually how close in boiling point) solvents and other chemicals are.

Keeping solvent wastes separated by their common constituents helps to increase the likelihood of successful recovery, because trying to distill a mixed blend of several solvents often results in multiple solvents boiling off together or lingering in the bottoms.

### **What can be recovered?**

The following types of solutions can be successfully recovered:

1. Non-azeotropic solutions
2. Aqueous non-azeotropic solutions
3. Heterogeneous azeotropic solutions
4. Aqueous homogeneous azeotropic solutions support.

### **BENEFITS?**

1. Minimizing legal exposure
2. Lowering solvent removal and transport costs
3. Reduce the cost and required volume of purchased solvents

## **2. OINMENT PLANT**



- Provides functioning that is untouched by hand.
- Homogenizer functioning as transfer pump for efficient discharge of the finishing product.
- Provides for perfect particle as well as droplet size control.
- Hygienic finish construction to ensure contamination free working environment.
- Advanced plc support that allows automated process control.
- Control panel provided for visual display of plant operations.
- Variable speed control support of mixing arm achieved through frequency controller.
- Digital display support for product temperature and current values on control panel.
- cgmp model with documentation.

## **3. SYRUP PLANT**



- Plant recognized for delivering outstanding performance support as well as higher productivity.
- Manufactured under CGMP standards with contact parts of moc- SS 316/316l
- Plant user friendly design makes it easy to assemble and clean
- Plants designed to facilitate direct transfer of sugar from stores to sugar syrup vessel
- Entry of propeller agitations provided from bottom using specially designed mechanical seal face
- User friendly design of plant makes it easier to assemble & clean
- CGMP model with documentation
- Entry of propeller agitations provided from bottom using specially designed mechanical seal face
- User friendly design of plant makes it easier to assemble & clean CGMP model with documentation of propeller agitations provided from bottom using specially designed mechanical seal face User friendly design of plant makes it easier to assemble & clean CGMP model with documentation.
- Digital display support for product temperature and current values on control panel.

## 4. BITUMEN EMULSION PLANT

Bitumen emulsion are widely used in road construction application as a binder, surface dressing, and priming etc. bitumen emulsion is oil in water type of emulsion where bitumen is dispersion in water. We are mainly supply two type of equipment for producing bitumen emulsion:

- automatic batch type bitumen emulsion plant
- fully automatic inline bitumen emulsion plant

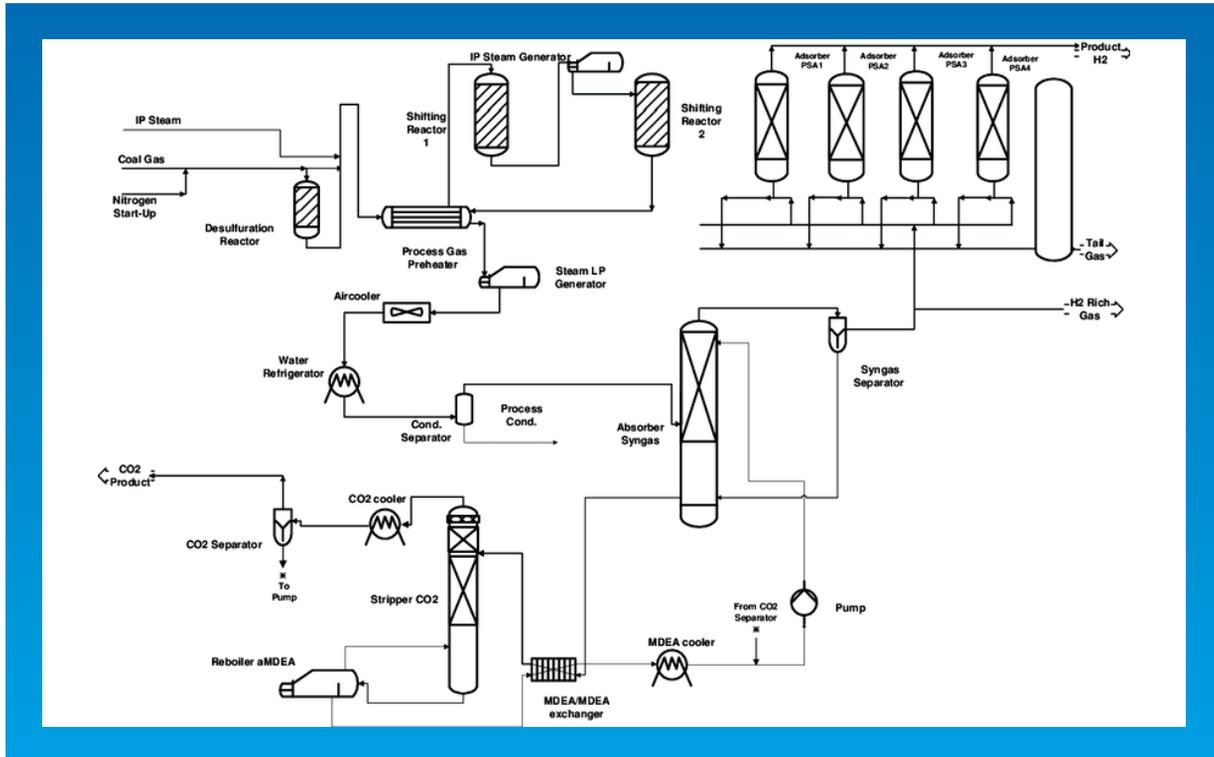


Automatic batch type bitumen emulsion plant is small and very useful to customer who does not want to manufacture large variety of bitumen emulsion. But they can still have the option to produce cationic, anionic, modified bitumen emulsion and micro surfing emulsion. In batch system there is a nonmetallic tank which have agitator designed to mix the water and chemicals mainly acid, stabilizer and emulsifier. After preparation of water soap plant can run and produce the bitumen emulsion as per your required recipes. At same time bitumen is directly coming from the storage and solvent will dose in the bitumen line, so it gives the great flexibility to

Advantage of batch system:

- Small setup useful to low budget projects
  - Hi shear colloidal mill which is ensure small partial size
  - PLC based control panel which gives very easy operation of equipment.
  - Recipe can be save and store for future
  - Coriolis mass flow meter for bitumen and solvent.
  - Flow meter is ensuring the highly precision dosage.
  - There is options of two or more batching tanks for saving preparation time
  - Built in a container and mounted on the trailer for mobile operation
- Fully automatic inline bitumen emulsion plant is useful to customers are have large market.

## 4. CO2 CAPTURE PLANT:



CO<sub>2</sub> from heavy industry with the intent of mitigating the effects of climate change.[3] Although CO<sub>2</sub> has been injected into geological formations for several decades for various purposes, including enhanced oil recovery, the long-term storage of CO<sub>2</sub> is a relatively new concept. Carbon capture and utilization (CCU) and CCS are sometimes discussed collectively as carbon capture, utilization, and sequestration (CCUS). This is because CCS is a relatively expensive process yielding a product with an intrinsic low value (i.e. CO<sub>2</sub>). Hence, carbon capture makes economically more sense when being combined with a utilization process where the cheap CO<sub>2</sub> can be used to produce high-value chemicals to offset the high costs of capture operations.

Proven benefits. Increased profit.

### 1. Modular Carbon Capture

It can achieve 90%+ capture rates and delivers industrial quality CO<sub>2</sub> for re-use or sequestration.

### 2. Improved bottom line

Our technology offers the lowest corrosion rates, highest HSE standards, an uptime rate of 98+%, and can operate for more than 200,000 hours on commercial plants.

### 3. 30% More commercially Viable

A leader in cost-effective modular technology set to achieve \$30/tonne cost of CO<sub>2</sub> capture. Large emitters will be able to offset the cost of carbon capture with their carbon tax from as early as next year.

Plant recognized for delivering outstanding performance support as well as higher productivity.

Manufactured under CGMP standards with contact parts of moc- SS 316/316L

Plant user friendly design makes it easy to assemble and clean

Plants designed to facilitate direct transfer of sugar from stores to sugar syrup vessel

Entry of propeller agitations provided from bottom using specially designed mechanical seal face CGMP model with documentation User friendly design of plant makes it easier to assemble & clean

## AFTER SALES SERVICE TO US...



**“Customer Service is  
not Just a Department,  
It is the entire company, to us”**



**“WE SELLING  
THE PROBLEM  
WE SOLVED,  
NOT JUST THE  
PRODUCT”**



Engineering. Surveying. Solutions.



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