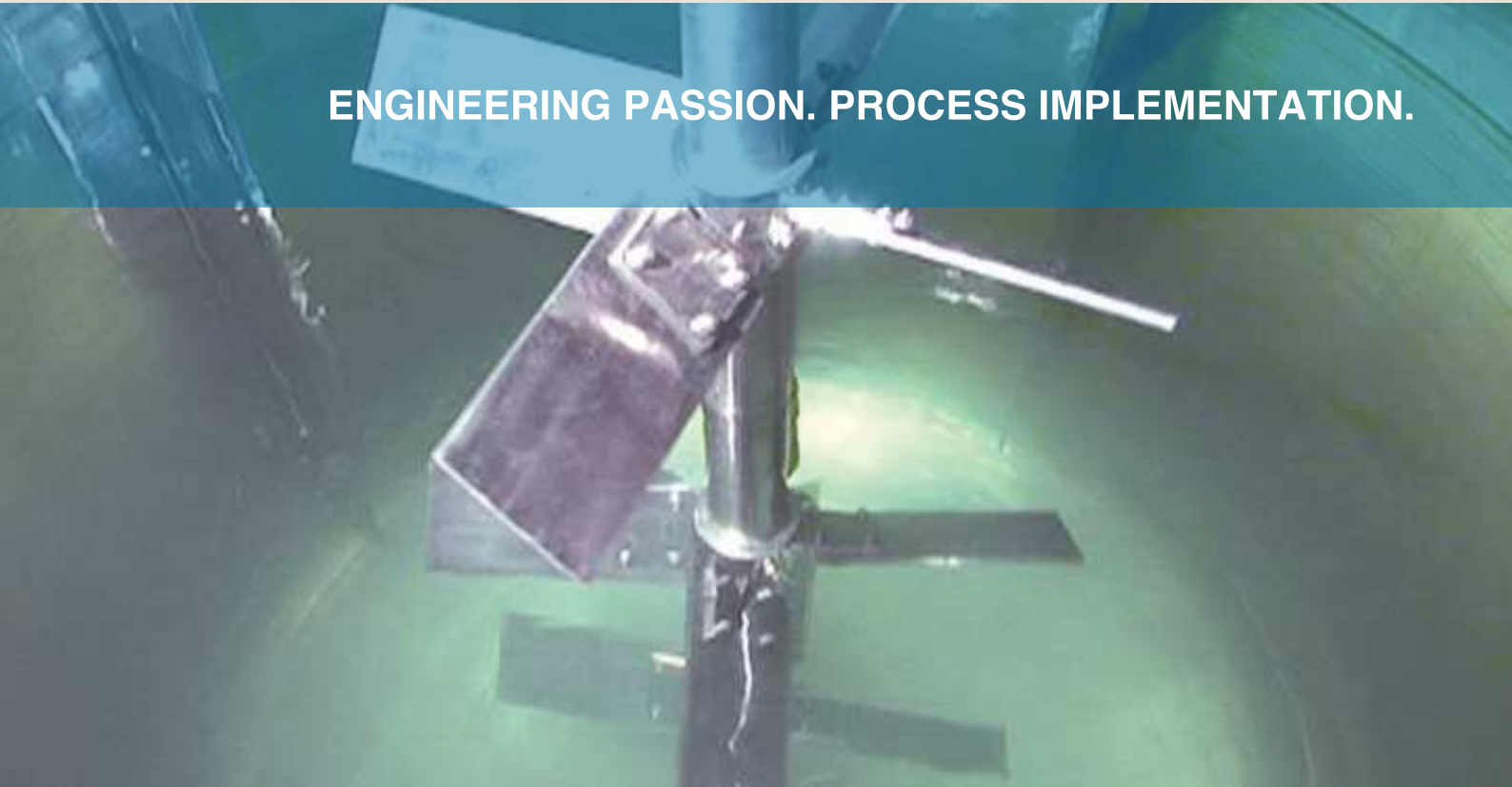


ENGINEERING PASSION. PROCESS IMPLEMENTATION.



PROVEN TECHNOLOGY

Engineered to supply satisfaction and innovation.

Company Profile

Chemiplant Engineering are experts in the design, engineering and manufacturing of process equipments for many applications in the Chemical, Fine Chemicals, Pharmaceuticals, Paints & Inks, Food & Beverage industry. With our 43 years of experience & commitment to the Indian industry we have grown to a reputed Brand name & enjoy a large share of the business opportunities in the sub-continent.

Under the dynamic leadership of MrVedKalra, we have visioned our Company growth to great heights & constantly innovate products. Our company's turning point has been the design & supply of versatile Filter/Dryers namely AGITATED NUTSCHE FILTER & DRYER ever since the year 1985, which are nowadays used on a high scale in API plants as a replacement of Centrifuges.

Recently, we have developed a R&D equipment used for reaction synthesis in many Labs across India called as Skid Mounted Pilot Plants. These systems come with a 100% supply of all instruments, Control Panels & SCADA software.

Partners

For many worldwide brand names we are flexible & customer oriented partner. High quality, durability & maintenance friendliness & above all tailor-made equipments are the criteria for optimum design.

At every stage of the Engineering, Production & Installation Process we strive to achieve a good balance between Price & Quality.

Team

Our experienced Engineering Team works closely with the Client & aims to achieve the best possible solution for the given process. We have expert Engineers in the field of Design, Planning, Cost estimation, Sourcing, Production management Quality assurance & control.

They are assisted by 100 skilled technicians in our production factory in Gujarat state.

Infrastructure

We have a manufacturing facility of 50,000 sq feet at Ankleshwar- Gujarat State. The state of Gujarat is a well-developed industrial belt for the Pharma & Chemicals Industry with excellent road & rail connections with Pan India.

Our unit delivers high quality process equipments in various grades of Stainless Steel, Special Alloy metals- AlloyC, Nickel, Monel & other exotic materials. We can handle vessels having Gross volume of 1,00,000 liters & weight upto 25 tonnes. We have 4 working bays with A.O.T cranes, precision lathe machines, Radial drilling machines Inverter based welding machines, Air Plasma cutting, machines & various Tools & tackles for manufacturing.

Inspections & Testings form an integral activity for manufacturing:

- Ultrasonic Testing systems
- Radiography
- Well-equipped machine shop for Tubesheet Drilling, Shaft Turning, Boring, Drilling & Milling.
- Weld back-chipping/grinding machines.
- Electropolishing facility for Tanks upto 10KL in volumes.

Our Products

Large product range with continuous improvement & innovations enables us to excel & cater a wide spectrum of industry.

Drying Technology

- Agitated Nutsche Filter Dryer (ANFD)
- Double Cone Vacuum Dryer (VTD)
- Vacuum Tray Dryer (VTD)
- Fluid Bed Dryer (FBD)
- Conical Screw Dryer (CSD)
- Rotary Vacuum Paddle Dryer (RVPD)

Filteration Technology

- Agitated Nutsche Filter (ANF)
- Pressure Nutsche Filter (PNF)
- Candle Filters
- Sparkler Filter

Fermenters

- Lab Fermenters
- Seed Fermenters
- Production Fermenters
- Dosing Tanks
- Harvestors
- Enzyme Reactors

Basic Reactors

- GMP/Non-GMP Reactors
- Hydrogenators
- Autoclaves
- Mixing Vessels
- Co-axial Agitator Vessels
- Sigma Mixers

Distillation Systems

- Columns
- Reboilers
- Condensers (S & T)
- Heat Exchangers (S & T)
- Kettle (With U-Bundles)

Formulations

Coating

Coating Pans
Autocoaters

Granulation

High Shear Granulators - RMG
Binder Preparation Vessel

Milling

Cone Mills
Multi Mills

Oscillating

Granulator
Sifter Cum Miltimill
Vibrosifter
Delumper

Drying Fluid Bed Dryer

Tray Dryer
Double Cone Vacuum Dryer

Blending

V Blender
Conta Blender
Octagonal Blender
Ribbon Blender
Double Cone Blender
Plough Shear Mixer

Powder Handling Systems

Tipper
Bin Loader
Bins
Powder Transfer System

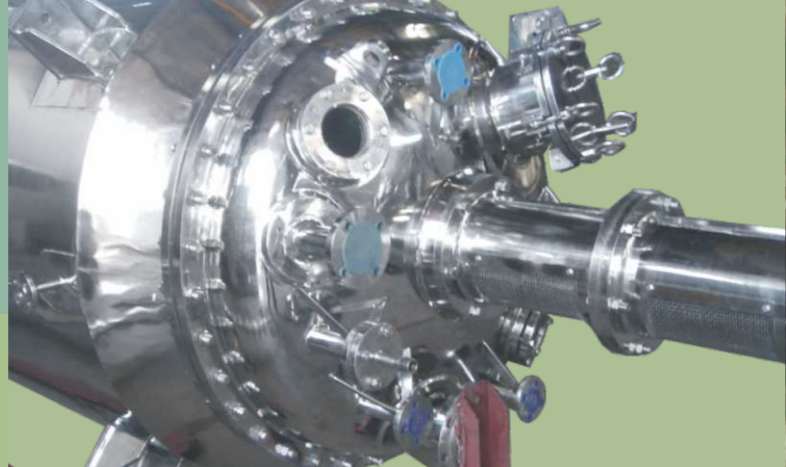
Integrated Systems

All Above Equipments in a Series/Parallel



OUR VANILLA PRODUCTS

Brand name you can rely on.



Mixing Vessels

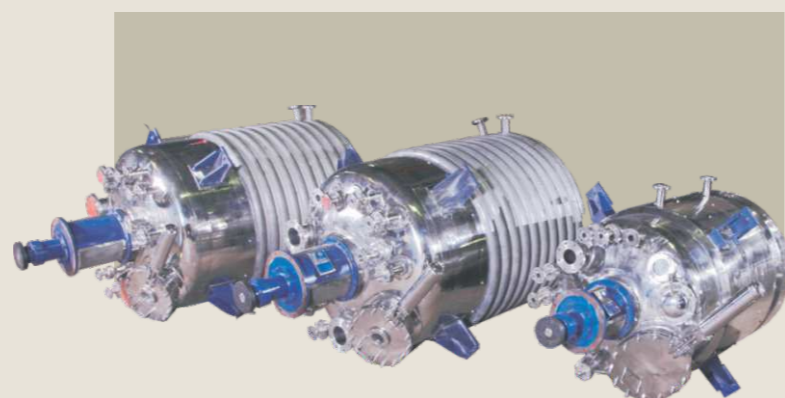
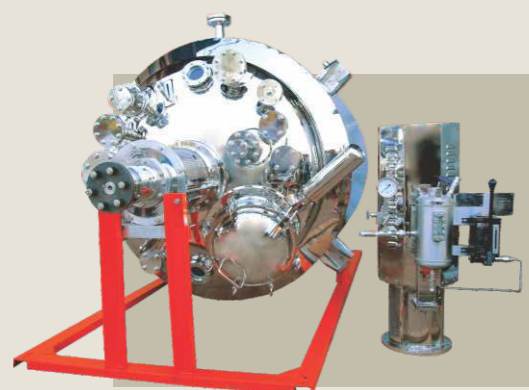
In a span of 43 years we have more than 4000 installations of mixing vessels in pan-India. Our products are installed in pharmaceutical, chemical, bio-technology and food industry. High CGMP and FDA standards compliance are a major requirement accomplished by us. The optimal design of process vessels and units always is an individual solution perfectly adapted to our customers' production activities. Our units

have an average service life of several decades. Many years of experience in stainless steel treatment results in the first class production.

A successful collaboration with repetition is our motto.

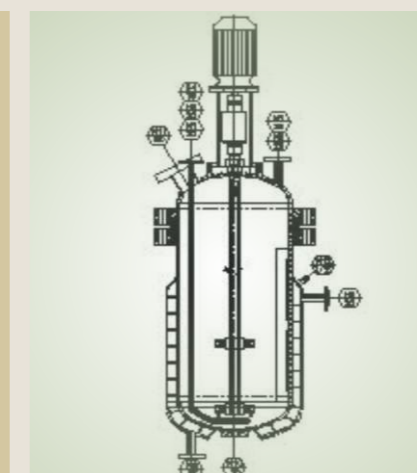
GMP- preparation, pressure and reaction vessels are fabricated in our shop with stainless steel and special alloy metals. The surface roughness and electro polishing is as per customers' requirement. Our vessels volume range between 5 Litres to 50 Kilo Litres. In the pharmaceutical and bio-technology industries, the surface finish is important and we maintain an average finish on our standard. Prior to dispatch,

our equipment is subject to extensive QC procedures like non-destructive material test, X-Ray and Riboflavin tests for CIP cleaning. We follow international standards such as ASME, API, GMP to our vessels fabrication.



Hydrogenators produced by us ensure following results:

- Complete utilization of gas
- Large gas-liquid interfacial areas
- Homogeneous suspension of solids
- High heat transfer rates
- High local rates of chemical conversion & short mixing time
- Gas introduced via rotating gas sparger with recirculation from the head space with no external force

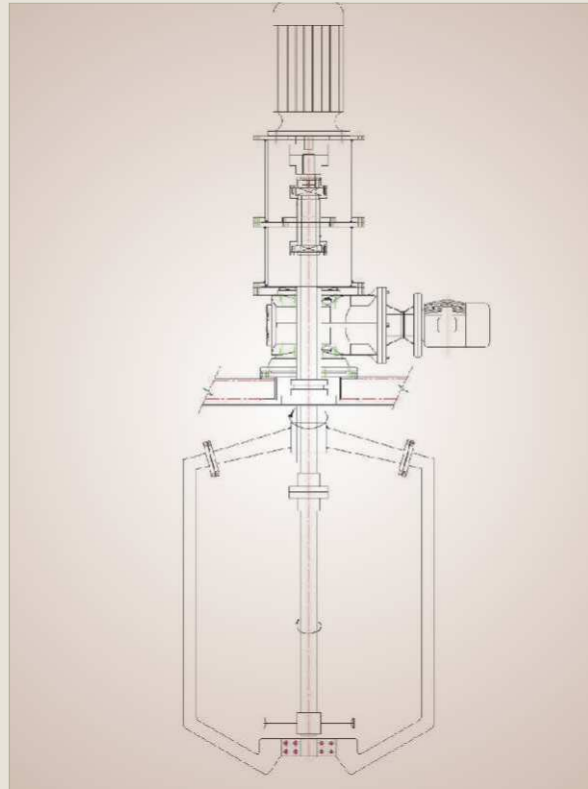


MIXING TO PERFECTION

Inks & Paints Industry expertise.



Solvent Recovery Systems



The twin-blade disperser ensures a high quality of the pre-treatment or mixture of the basic materials. Due to the cost pressure and the resulting inconsistent raw material quality, the performance of the premix becomes of great importance (i.e. the efficiency of the 3-roll mill depends largely on the pre-treatment of the basic materials).

Our mixers guarantee efficient and economical solutions for wet grinding and dispersing application of the highest standard.

Applications:

Gravure Inks | Offset Inks
Paints with large viscosity | PVC pastes
Adhesives | Primers & Fillers



Expertise in Fermentation



We produce fermentors from capacities ranging lab size of 15L to production scale of up to 100KL.

Our fermentors provide:

- Long-term sterility during medium or nutrient change, sampling, aeration venting or transfer
- Accurate temperature control
- Stirrers designed to provide optimum Oxygen transfer rates
- Zero dead-leg areas

We provide control system featuring automatic regulation of all parameters along with recording & documentation of all data, steps & parameters important to the process.



Chemiplant Engineering specializes in the design and supply of mass transfer systems to fulfill requirements in the chemical, pharmaceutical, petrochemical, bio-chemical, food and fragrance industries. We implement new and developing technologies to take them from concept to commercialization.

We design the chemical separation system to meet specific needs of each customer. Our technical expertise includes binary and multi-component distillation, extractive distillation, reactive distillation, liquid-liquid extraction, absorption, stripping, heat transfer, instrumentation & controls.

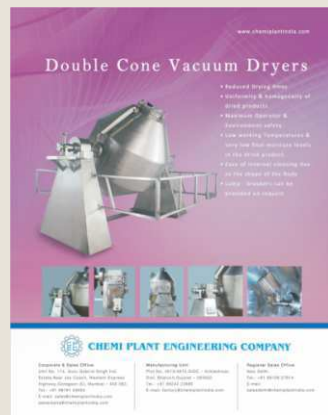
Industries & Applications

- Pharmaceuticals
- Chemicals
- Fine chemicals/Specialty Chemicals
- Agro Chemicals
- Fertilisers/Pesticides
- Paints/Inks
- Food/Beverage
- Bio-technology
- Dairy
- Formulations

After Sales & Rental Service

Chemiplant provide after sales customer care, on-site services & spares on demand. Also, we provide assistance for a smooth installation of new equipment & training on the same.

Our rental program involves the supply of our pilot or Lab model equipments to your plant / factory for a stipulated duration. Therefore it gives our client the tool to optimize before committing to a large capital purchase.



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 INDIA