



Process Equipment  
Structural Fabrication  
Project Work  
Maintenance & Machining

EXPERT TECHNOCRATS BRINGS

OVER **15 YEARS OF EXTENSIVE EXPERIENCE** IN

THE DESIGN AND MANUFACTURING



RAVIRAJ ENGINEERING is a leading and well-established manufacturing company specializing in high-quality process plant equipment. Built on a foundation of technical excellence, our team of expert technocrats brings over 15 years of extensive experience in the design and manufacturing of a comprehensive range of process equipment.

Over the last decade, we have successfully fabricated a variety of critical equipment such as **Pressure Vessels, Reactors, Heat Exchanger / Condensers, Nutsche Filters, Chimneys, Storage Tanks, Ribbon Blenders, Box Condensers, Hydrogenators, Receivers and Auto-claves.**

All our equipment is meticulously designed and manufactured to comply with the **latest international standards, including ASME Sec 8/9, API, Tema, WPS-PQR, Welder Qualification Work, and stringent GMP standards, ensuring reliability, safety, and superior performance for all our clients.**

#### IN HOUSE QUALITY CONTROL

Hydro Test Facility  
Pneumatic Test Facility  
Load Test  
Dye Penetrant Test Kit  
Radiography Film Viewer  
Moly Test  
Run Out Test  
Dmeter (Thickness Gauge)

#### EXTERNAL QUALITY CONTROL

Physical & Chemical Testing of Materials (Met Heat Baoda)  
Ultrasonic Testing  
Dynamic & Static Balancing  
Radiography

#### OFFICIAL OVERVIEW OF COMPANY:

<b>Works Operational / Establishment</b>	April 2003
<b>Status :</b>	Small Scale Industry Unit (SSI Unit)
<b>Type of Firm:</b>	Proprietor
<b>Registered Address:</b>	Plot No. 42, 43 & 44, Yogi Estate-3, Nr. 66KV Sub Station, Jitali, Ankleshwar - 393 002.
<b>Contact:</b>	<b>Swatil Sonani: +91 75676 77475</b> <b>Kashyap Patel: +91 98252 93942</b>
<b>Email:</b>	rre@ravirajengineering.com
<b>Plot Area:</b>	14500 Sq Ft

#### Government Registrations:

<b>PAN:</b>	BFUPM3098E
<b>GST:</b>	24BFUPM3098E1Z2
<b>Factory Lic:</b>	1787/25999/2021
<b>Udyam:</b>	UDYAM-GJ-06-0008790

## Reaction Vessels

### VESSEL TYPES

- Jacketed Reactor
- Limpet Coiled Reactor
- Internal Coil Reactor
- M.S. Rubber Lined Reactor
- M.S. Lead Bonded Reactor
- GMP/ Non GMP Reactor

### APPLICATIONS

- Fertilizers
- Food and Dairy Industries
- Petrochemical Industries
- Pharmaceutical Industries



Limpet

Jacketed

## Pressure Vessel / Autoclave Reactor / Hydrogenator Reactor

- Material of construction - MS, BQ, SS316, SS316L, Cladding
- As per standard ASME section -8 & 9. Design in house.
- Gas & Liquid application with internal & external heat transfer
- We provide customized solution as per clients requirement



## Hydrogenator Reactor

### ADVANTAGES

- High mass transfer area
- High mass transfer area
- Shorter batch time
- Lesser catalyst loading
- Minimum impurities
- Better product economy

### APPLICATIONS

- For various gas liquid reaction
- Hydrogen, Ethylene Oxide
- Ammonia, Oxygen
- Air, HCL
- Phosgene, Co<sub>2</sub>, Co



## Storage Tank

- SS, MS, MS SS Cladding Storage Tanks
- Above Ground & Under Ground Tanks
- SIZE : 1 KL to 110 KL
- Vertical & Horizontal Options
- Pressure Tank Variant



## Nutsche Filter / Bucket Filter

### FEATURES

- GMP / Non GMP Models can be made
- Solid Liquid Separation
- Washing Crystallization
- Re-suspending / Mixing Extraction



## Chimney

- Discharge flue gases to the atmosphere totally sealed and protected from contamination
- Reduce the Impact of greenhouse gases
- Energy saving
- Smooth Exhaust Combustion gases into the air



## Receivers

- SS / MS Receivers for GMP & Non GMP requirements
- Limpet / Jacketed / Non Jacketed Variants
- Built as per Indian Foreign standards
- Capacities can be designed as per clients requirements
- Available in horizontal as well as vertical models.



## Ribbon Blender

- Less Working Time
- No Dust Formation
- Lesser Maintenance Cost
- Less Service after Sales



## Distillation Columns

- Robust Design
- No Dust Formation



## Heat Exchangers

### 1. Shell & Tube Condenser



- Dimensional Accuracy
- Close Tolerance
- Heavy duty Drilling Capacity

### 2. Box Condenser



- **COMPACT DESIGN** : Reduced Size Of Heat Exchangers By 30-40%
- **ECONOMICAL** : Up To 30-50% Savings
- **SINGLE UNITS** : One Box Unit Replaces Both Primary And Secondary Condensers And Solvent Recovery System.
- **FULLY DRAINABLE** : 100% Drainable On Both Sides.
- **EFFICIENCY** : Higher Condensation Efficiency Through Cross Flow
- **CLEANABILITY** : Higher Response To Cip Cleaning.

## Industrial Reboiler



## Sparkler Filter



## Agitated Nutsche Filter



# OUR WORKS

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# CLIENTELE



- Acme Chem Limited – Panoli
- Acquire Chemicals - Ankleshwar
- Aden Pharmaceuticals Pvt. Ltd. - Padra
- Agrocel Industries Pvt. Ltd. - Bhavnagar
- Agrocel Industries Pvt. Ltd. – Kutch
- Ambani Organics Ltd. - Dahej
- Ambica Chemicals - Ankleshwar
- Amsal Chem Pvt. Ltd. - Ankleshwar
- Anshul Speciality Molecules Pvt. Ltd. - Halol
- Apex Pharma Chem- Ankleshwar
- Apple Life Science - Panoli
- Axis Pharma Chem- Ankleshwar
- Believe Pharma-sachin
- BGP Laboratories Pvt. Ltd. - Ankleshwar
- Bhagwati Fab Engineers Pvt. Ltd.
- Chem-pack Industries- Ankleshwar
- Chevron Pharma Pvt. Ltd. - Ankleshwar
- Colospense Dyes And Intermediates Pvt. Ltd. - Sachin
- Crypton Pigment Pvt. Ltd. -Jagadia
- Delta Hitech Coatings Pvt. Ltd. - Sachin
- Devanshi Dyestuff - Ankleshwar
- Dagnet Chemicals Pvt. Ltd. - Panoli
- Elantas Beck India Ltd. - Ankleshwar
- Energymax Boiler LLP - Ankleshwar
- GHPS Engineering Works
- Harihar Pharma Chem Pvt. Ltd. - Ankleshwar
- Jal Aqua International
- Jay Chem Industries - Ankleshwar
- Kanaiya Enterprises - Ankleshwar
- K. C. Laboratory - Ankleshwar
- K. Patel Dye Chem Industries Pvt. Ltd. - Ankleshwar
- Macson Colour Chem Pvt. Ltd. - Dahej
- Macson Products - Sachin
- Manglam Chemicals - Ankleshwar
- Maruti Industries - Panoli
- Merchem Ltd. - Panoli
- Navadia Fine Chem-ankleshwar
- Nirmal Construction-ankleshwar
- PAB Organic Pvt. Ltd.
- Patel Boiler Services - Ankleshwar
- Patson Chemicals - Bhavnagar
- Pole Star Industries - Ankleshwar
- Pranami Drugs Pvt. Ltd. -ankleshwar
- Preeten Healthcare Pvt. Ltd. - Ankleshwar
- Prudence Lifecare Pvt. Ltd. - Ankleshwar
- Rapicut Carbides Ltd. - Ankleshwar
- Ravichem Industries - Ankleshwar
- Raviraj Chemicals - Ankleshwar
- Real Chem - Sachin
- Regal Remedies Ltd. - Unit 2 - Ankleshwar
- Regal Remedies Ltd. - Unit 1 - Ankleshwar
- Remark Technologies - Panoli
- Rudraksh Industries
- Sejal Chem Tech Industries - Ankleshwar
- Shree Dutt Agrochem - Panoli
- Shree Ganesh Industries - Sachin
- Shree Sulphamic Chemicals - Ankleshwar
- Sigma Life Science - Panoli
- Span Remedies Pvt. Ltd. - Ankleshwar
- Stride Industries-ankleshwar
- Sukha Chemical Industries - Ankleshwar
- Shardin Intermediates - Dahej
- Tapi Pigments - Sachin
- Tivan Sciences Pvt. Ltd. - Rajkot
- United Wolfram - Kosamba
- Universal Chemicals And Industries Pvt. Ltd. - Ankleshwar
- Vandana Chemicals - Ankleshwar

# CLIENTELE SECTORS

Pharma

CDMO & CRAMS

API/ Intermediates

Fertilizers

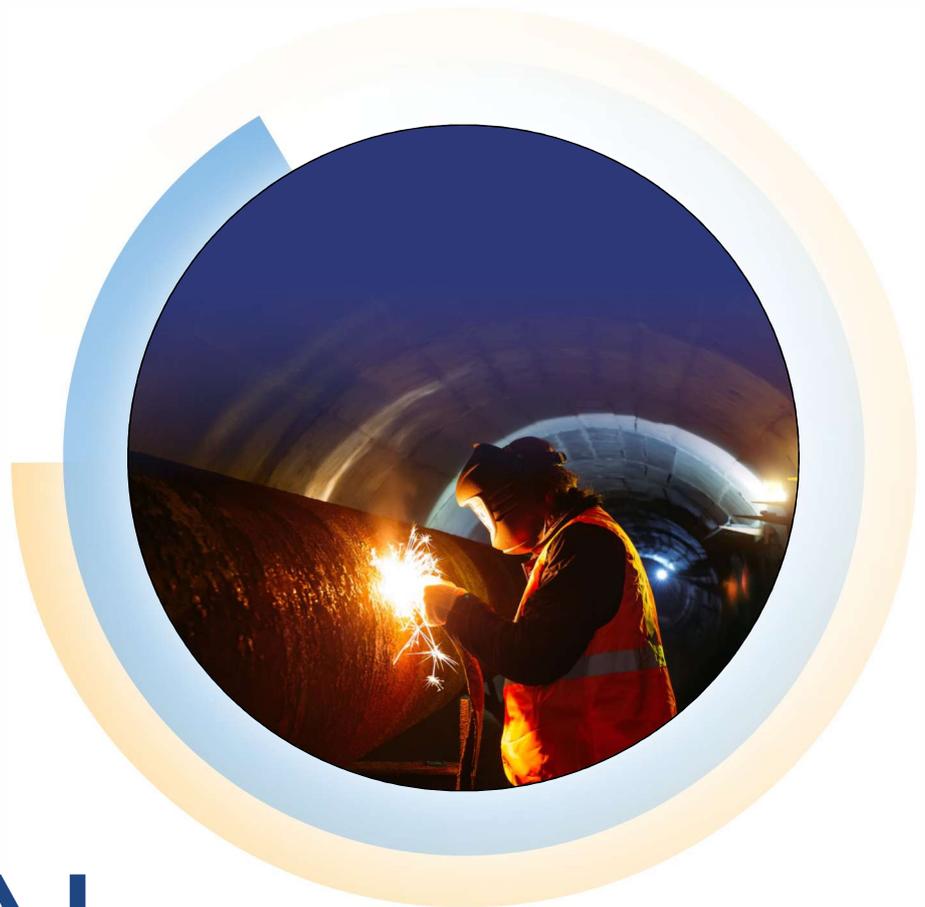
Dyes Intermediates

Agro Chemicals

Dyes & Pigments

Petrochemicals

Chemicals



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