



RENU BHUMI
ENGINEERING INDUSTRIES



SCAN TO
QUICK CALL

Design & Manufacturing
Of Distillation Unit , Brewery
Refinery Plants & Process
Plants Equipment



Get In Touch

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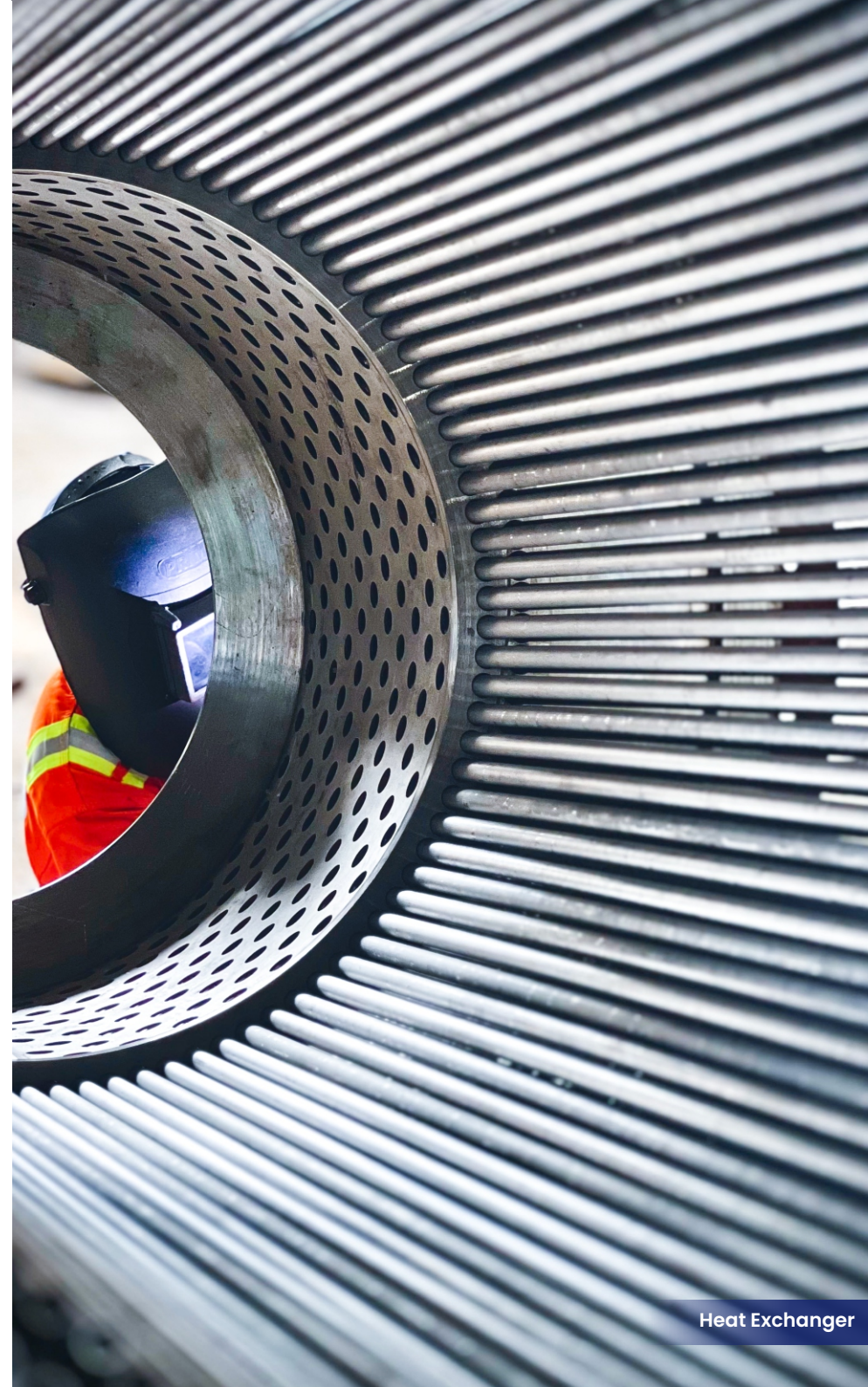


RenuBhumi Engineering Industries

Formerly known as
Renu Engineering Industries - REI

Established in 1989 in Bilimora, RenuBhumi Engineering Industries has evolved into a leading joint venture specializing in the design and manufacturing of high-quality equipment for diverse industries.

About Us



Heat Exchanger

Our Expertise

We provide cutting-edge solutions for:

◆ Chemical Plant Equipment

◆ Turnkey Projects for:

Alcohol Distillation Plants | Portable
Liquor Plants | Silent Spirit Plants

◆ Brewery Equipment

◆ Specialized Plants

Acetic Acid Plants | Ethyl Acetate Plants
Acetaldehyde Plants | Acetic Anhydride Plants
Formaldehyde Plants (Based on Metal Oxide
or Silver Catalyst)

◆ Industries We Serve

Oil & Gas | Power Plants | Pharmaceutical Projects
(Turnkey) HVAC Equipment | Food & Beverage
Mining | Petrochemical | Water Treatment | Refineries

With decades of experience and a commitment to excellence, we ensure our products meet the highest industry standards.

◆ Location and Facilities

RenuBhumi's state-of-the-art manufacturing facility and administrative office are located in Bilimora, Gujarat, India.

◆ Proximity to Key Locations

- 230 km from Mumbai, offering access to the nearest international airport.
- 60 km from Surat, with access to the nearest domestic airport.

◆ Connectivity

Bilimora is well-connected to all major cities via:

- Highways
- Rail networks
- The upcoming bullet train corridor

◆ Factory Area

- Total Factory Shed Area: 65,000 Sq. Ft.
- Open Area: 11,000 Sq. Ft.

These transportation options ensure efficient logistics and smooth accessibility.

Mission

To deliver high-quality products and services with precision, exceeding industry standards and customer expectations, while fostering a safe, ethical, and productive work environment for all staff and business associates.

Quality

We are dedicated to providing products that meet or exceed customer expectations, ensuring timely delivery at competitive prices. Our focus on quality is driven by continuous process improvements, stringent quality checks, and upskilling employees to enhance teamwork and efficiency.

Vision

RenuBhumi Engineering Industries strives to be a market leader, setting industry benchmarks through customer-driven quality programs, continuous growth opportunities, and a commitment to excellence in manufacturing.

Our Products



Copper Seal Pot for Brewery Plant

Fully Customizable Designs

- ✓ Copper Seal Pot (High-Grade Copper, Hygienic Design) – Designed for brewery applications, ensuring purity and preventing contamination.
- ✓ Customizable Options – Available in various capacities, thicknesses, and connection types to suit different brewing processes.
- ✓ Material & Construction – Made from food-grade copper for enhanced heat conductivity and flavor retention, with precision welding and leak-proof sealing.
- ✓ Application – Essential for maintaining system pressure balance, preventing gas or liquid backflow, and ensuring smooth brewing operations.

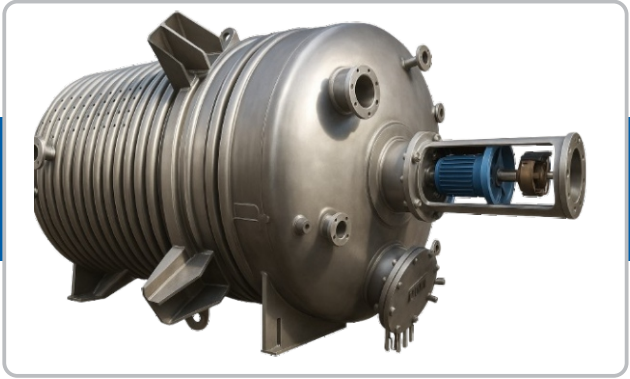
Our Products



Heat Exchangers

Custom Design for Thermal Efficiency

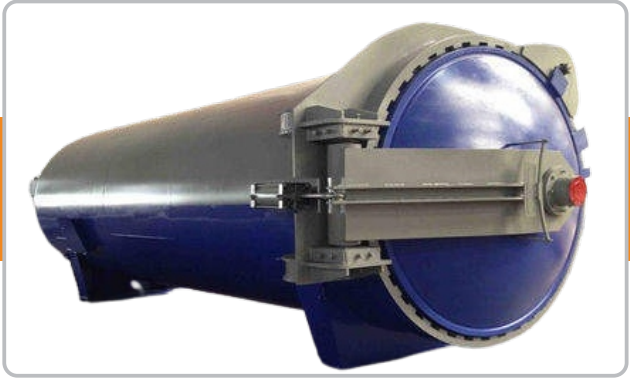
- ✓ Shell & Tube Heat Exchanger – Designed for specific heat transfer applications
- ✓ Vertical Heat Exchanger – Customizable in tube length, material, and pressure rating
- ✓ Condensers (Water-cooled, Oil-cooled) – Available in custom tube arrangements & MOC



Reactors

Tailored to Process Needs

- ✓ Agitator Reactor – Fully customizable in impeller type, speed, and material
- ✓ Stainless Steel Reactor (SS 304, SS 316) – Available in custom capacities & jacket options
- ✓ Chemical & Pharma Reactors – Designed as per specific chemical reactions & pressure ratings
- ✓ Reactors (Jacketed, Limpet, GMP) – Custom-built for precise temperature control & mixing efficiency



Industrial Autoclaves

Custom Built for High Pressure & Temperature Applications

- ✓ Vulcanizing Autoclave – Available in custom diameters & heating mechanisms
- ✓ Composite Autoclave – Designed for specific pressure cycles & composite curing
- ✓ AAC & Resin Plant Autoclaves – Tailor-made for batch size & automation level



Storage & Material Handling Solutions

Fully Customizable Designs

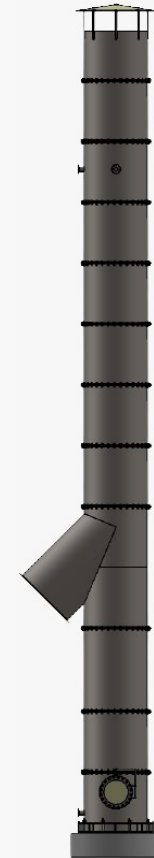
- ✓ Mixing Tanks (Jacketed, SS Mixing) – Customizable in agitator type, RPM, and baffle arrangement
- ✓ Storage Tanks (SS 304, SS 316, Acid Storage) – Available in any capacity, shape, and MOC
- ✓ Silos – Designed for bulk material storage, available in various sizes and materials (SS, MS, etc)



Pressure Vessels

Customized as per Requirements

- ✓ Storage Tank (Diesel, Petrol, Acid, Solvent Storage)
- ✓ Air Receiver Tank – Available in custom pressure ratings & sizes
- ✓ Custom Pressure Vessels for high-pressure applications designed to ASME standards



HVAC Stacks

For Heating, Ventilation, and Air Conditioning Exhaust

- ✓ Used for exhaust discharge from HVAC systems in industrial and commercial plants
- ✓ Customized height, diameter, and material of construction based on airflow volume and temperature
- ✓ Options for self-supporting or structure-supported designs
- ✓ Provided with access ladders, maintenance platforms, and weather protection features

Industries Served



Chemical Processing



Pharmaceuticals



Water & Wastewater Treatment Plant



Oil & Gas



Food & Beverage



Heavy Engineering

Our Milestone

Where Every Win
Writes Our Story.



| Component | Material | Dimensions / Quantity |
|-------------------|---------------|-------------------------------------|
| Shell | SA 516 Gr. 70 | 4200 x 800 mm x 12 mm thick |
| Expansion Bellows | SA 516 Gr. 70 | Standard (STD) |
| Tube Sheet | SS 316L | 4200 × 60 mm thick |
| Dished Ends | SS 316L+ | 4200 x 12 mm thick (2 Nos) |
| Body Flanges | SA 516 Gr. 70 | Width 85 mm x 150 mm thick (4 Nos) |
| Tubes | SS 316 | 25.4 x 14 SWG x 600 mm (13,600 Nos) |
| Total Raw Weight | | 22 Ton |
| Capacity | | 650 M2 |

Metal Oxide Reactor



| Component | Material | Dimensions / Quantity |
|------------------|--|------------------------------|
| Shell | SS 316L | 2900 × 8000 mm x 14 mm thick |
| Dished Ends | SS 316L | 2900 × 16 mm thick (2 Nos) |
| Limpet Coil | SS 304 | 47 Tums, 4 mm thick |
| Motor | Crompton Make | 75 HP |
| Gear Box | Inline Helical | Standard |
| Seal | Double Mechanical Seal with Thermosyphoning Bootle | Hifab Make |
| Shaft | SS 316L | ©140 mm x 8000 mm |
| Total Raw Weight | | 12.5 Tons (12,500 kg) |

Fermenter 50 KL



| Specification | Value |
|--------------------------------|------------------------|
| Equipment Name | Bubble Cap Tray Column |
| Shell Diameter | 2500 mm |
| Shell Thickness | 14 mm |
| Length | 28,000 mm (28 meters) |
| Material of Construction (MOC) | SS316L |
| Dish End Thickness | 16 mm |
| Dish End Material | SS316L |
| Body Flange Thickness | 185 mm |
| Body Flange Material | SA516 GR.70 |
| Number of Bubble Cap Trays | 50 Nos |
| Weight | 48 Tons |

Metal Oxide Reactor

Customization Capabilities

- ✓ ASME Sec VIII Div 1 compliant fabrication
- ✓ Manufacturing as per Good Engineering Practices (GEP)
- ✓ Third-party inspection (TUV, SGS, Client-specific) available
- ✓ Size, Pressure, Temperature, and Material customization



Bubble Cap Tray Column

We Offer Following Products And Services In The Areas Of Alcohol Derivatives & Turnkey Projects

01 Custom Fabrication

Bespoke Equipment, Material Cutting and Shaping, Welding Services, Heavy Fabrication

02 Standard Equipment Manufacturing

Heat exchangers, Pressure vessels, Storage tanks, Agitators, Distillation columns, Scrubbers and separators

03 Maintenance and Repairs

04 Surface Treatment and Finishing

05 Spare Parts Supply

06 Process Optimization Support

07 Turnkey Project Solutions



We offer the following products and services in the areas of Tunnel Ventilation System & other Ventilation Products — manufactured by pratik engineering corporation



01 SS304 Tunnel Ventilation Nozzle

02 MS cones, GI cones for Tunnel Ventilation

03 Sound Attenuator for Tunnel Ventilation

04 MS Ducts Tunnel Ventilation

05 Sliding Damper And volume control damper

06 Accessories

07 Access Door & Canvas Connector

Our Services

Our Client



Some Of The QA Agencies / TPIS Worked With

