



ISGEC TITAN METAL FABRICATORS PVT. LTD.

Process Equipment from Corrosion Resistant Metals & Alloys

Titanium • Tantalum • Zirconium • Niobium • Hastelloy • Nickel • High Nickel Alloys



Titanium Exchangers for PTA Plant, India



A JOINT VENTURE BETWEEN
ISGEC HEAVY ENGINEERING LTD., INDIA
AND
TITAN METAL FABRICATORS INC., USA

ENGINEERING FOR EXCELLENCE



ISGEC TITAN METAL FABRICATORS PVT. LTD.

Markets Served:

- India
- South East Asia
- South Asia
- Middle East

PRODUCT RANGE

- Heat Exchangers
 - Shell & Tube
 - Bayonet
- Pressure Vessels
- Reactor / Reactor Internals
- Columns / Towers
- Piping
- Custom Fabrication

INDUSTRIES SERVED

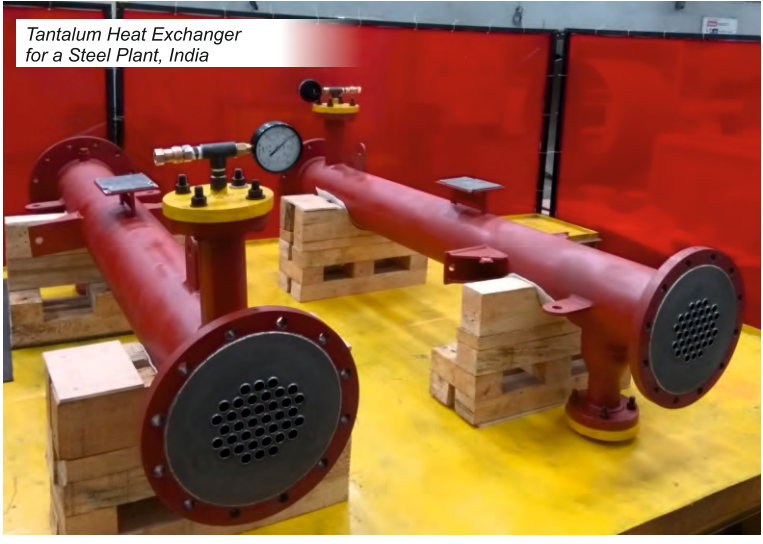
- Chemicals:
 - Fluro-chemical / Agro-chemicals / Fine-Chemicals
 - Nitric Acid / Sulphuric acid / Hydrochloric acid
- Petrochemicals
- Fertilizers
- Refineries
- Acid Concentration / Spent Acid Plants
- Bromine Plants
- Steel Plants
- Pharmaceuticals
- Power

FEATURES

- State-of-the-art fabrication facilities including CNC Waterjet
- ASME 'U' & 'R' Accreditations
- ISO 9001:2015 Certified
- Special care to eliminate cross metal contamination
- Robust Quality System & Stage-wise Inspection
- In-house NDE & NDT facilities
- Class-1,00,000 Clean Room facility
- Hot Gas Cycle Test facility



Hastelloy Heat Exchanger for an Overseas Pharma Industry



Tantalum Heat Exchanger for a Steel Plant, India



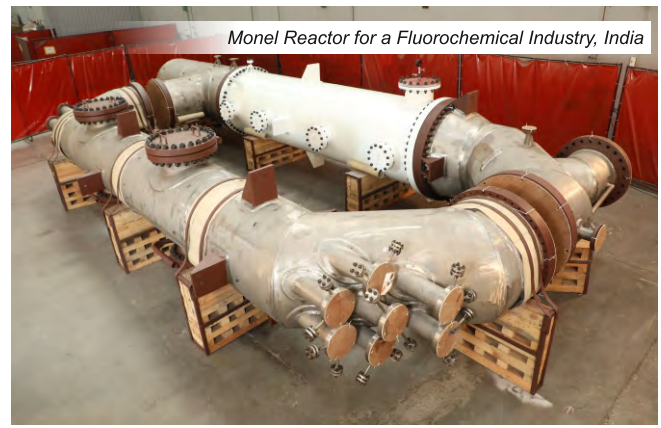
Tantalum Heat Exchanger for an Acid Plant, India



Niobium Heat Exchanger for an Agrochemical Plant, India

SOME OF OUR PRESTIGIOUS CLIENTS

Aarti Industries	IOCL	Pt. Black Bear
Abbvie	JSW	Qatar Vinyl
ABRPL	KBR	Reliance Industries
Corrtch	Kuantam Papers	RSPL
Department of Atomic Energy	KVT	Smartchem Tech.
DCM Shriram	Lubrizol	SRF
Deccan Chemicals	Malay-Sino Chemicals	SAIL
DOOSAN	Mudra Petrochem (Adani)	Solvay
Exxonmobil	Navin Fluorine	Tata Chemicals
GNFC	Nirma	Technip
HPCL	NTPC	Tamilnadu Petro Products
INEOS	ORPIC	



Monel Reactor for a Fluorochemical Industry, India

MATERIAL OF CONSTRUCTION

- Tantalum
- Niobium
- Zirconium
- Titanium
- Pure Nickel
- High Nickel Alloys
 - Hastelloy®
 - Monel
 - Alloy 20
 - Alloy 59
 - Alloy 600 series
 - Alloy 800 series
- Duplex Stainless Steels

CONSTRUCTION TYPES

- Solid
- Loose-Lined
- Clad:
 - Explosion Clad
 - Roll Clad
 - Weld Overlay

DESIGN CAPABILITIES

- Thermal Design*
- Mechanical Design*
- Finite Element Analysis

* including Tantalum & Niobium



Hastelloy Reactor internals for a PTA Plant, India



Jacketed High Thick Inconel Reactor for a Chemical Industry, India



Inconel Tubular Reactor for a Chemical Industry, India



Titanium Heat Exchanger (Anodised) for a Petrochemical Industry, India



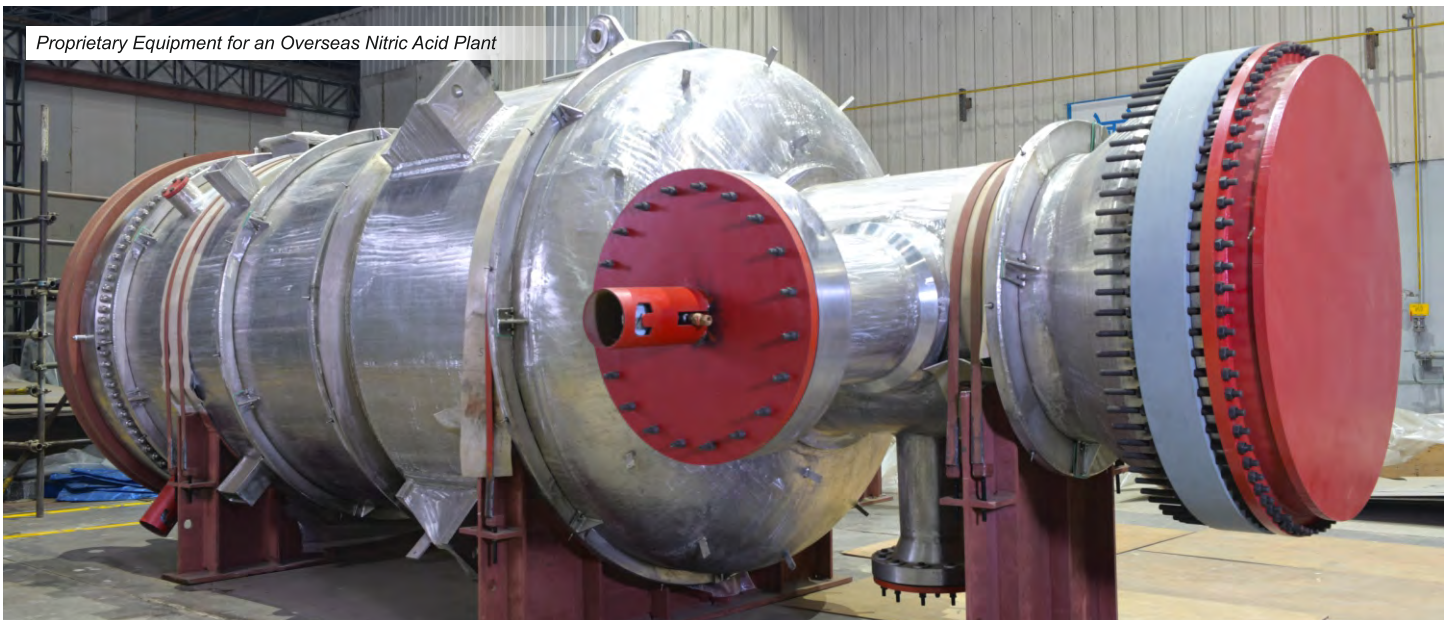
Titanium Heat Exchanger for an Oil & Gas Industry, India



Titanium Gr.12 make up water Evaporator for a Salt Plant, India



Zirconium Exchanger for an Overseas Acid Plant



Proprietary Equipment for an Overseas Nitric Acid Plant

Titanium Vessel for an Overseas Chlor-Alkali Plant



Zirconium Ejectors for a Chemical Industry, India



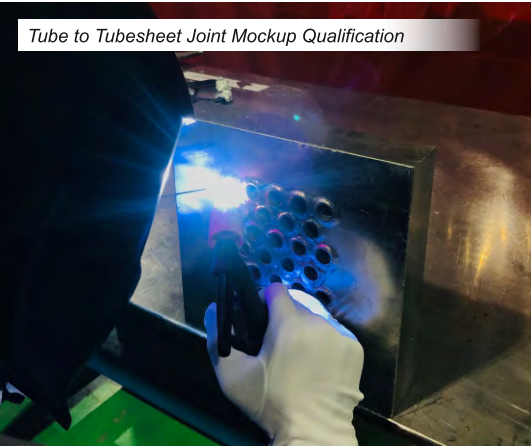
Zirconium Heat Exchangers for a Chemical Industry, India



Titanium Heat Exchanger for an Overseas Refinery



Tube to Tubesheet Joint Mockup Qualification



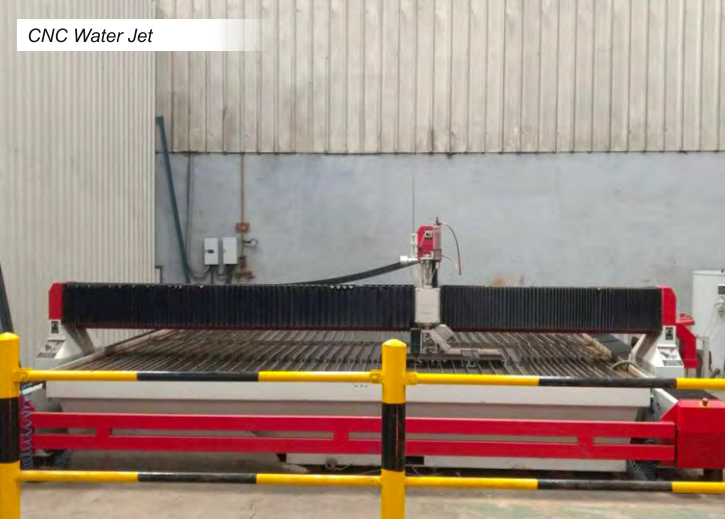
TESTING FACILITIES

- Radiography
- Helium Leak Testing
- PAUT / TOFD
- Positive Material Identification (PMI)
- Impact Testing up to -196°C (-321°F)
- Tensile Testing
- IGC Testing
- Hardness Testing
- Magnetic Particle Testing
- Dye Penetrant Testing
- Ferritoscope
- Pneumatic Testing

Helium Leak Testing



CNC Water Jet



Class 1,00,000 Clean Room



Titanium Gr-12 Clad Column for a Bio-Refinery (2G-Ethanol), India



ISGEC GROUP'S OFFERINGS

Process Equipment • EPC Projects • Boilers • Sugar Plants & Distilleries
Air Pollution Control Equipment • Presses • Castings • Contract Manufacturing



ISGEC TITAN METAL FABRICATORS PVT. LTD.

Marketing

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Works

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