

# About Us

## Oriental Manufacturers Pvt Ltd

Oriental Manufacturers- A Division of Oriental Enterprise Private Limited is a fully integrated Design and Manufacturing company for process equipment and tailor made fabricated equipment based out of Gujarat India. Being located in the Petro Chemical Complex area of Ranoli, Vadodara it enjoys a distinct locational and logistical advantage. It is well connected by Rail, Road and Dry port all within 3 Km radius.



This is an ideal setup for fabrication of tailor made Process Plant equipments; with well qualified Designing and Manufacturing teams and infrastructure. We have been catering to the Oil and Gas, Chemical, Fertilizer, Pharmaceutical, Refinery & Petrochemical Sectors

Our manufacturing setup is spread over 32 Acres of Land, giving us plethora of opportunities to execute oversize equipment and also gives us flexibility for future expansion.

We have been on the preferred list of suppliers of many Multinational companies. We work hand in hand with our customers to support them for their requirement from the initial stages of the project.

Our product range includes **Pressure Vessels, Shell & Tube Type Heat Exchangers**, Columns, Reactors, Storage Tanks & Centrifuges (Pusher and Vertical). Every equipment under fabrication is designed by relevant codes and software available with us.

Manufacturing Works is U, U2, R & NB Stamp certified shop with ISO 9001:2008 and OHSAS 18001:2007 certifications.

This is a well qualified shop with various registrations like EIL, PDIL, UHDE, Technimont, NPCIL, Department of Atomic Energy, National Fuel Complex, etc...

We have hands on experience of handling various grades of CS and SS, Cupronickel, and are also qualified in Welding of Exotic and Critical Metallurgy's for Base Metal and Overlay procedures in Duplex, Super Duplex, Hastelloy, Inconel-600 and Titanium.

## Our Key Facilities:

1. A dedicated exotic material bay & 2 CS fabrication bays, with under hook lifting capacities varying from 10 to 70 MT.
2. Open Yard (Bay 4) for piping spools and structural fabrication
3. Plate Bending Machine with capacity of 50 mm thk., with plate width of 4000 mm.
4. Battery of drilling machine capable upto 100 mm thick & tube sheet weight of 4 MT
5. Plate Shearing Machine that can handle shearing up to 22 mm
6. 1 nos. Boom type Submerged Arc Welding Machines (SAWs) and 2 nos. portable SAW machines
7. Rotators of higher tonnage for handling heavy & very heavy equipment under fabrication (30 MT to 120 MT more than 20 Sets).
8. A CNC plate cutting machine with plasma and acetylene cutting facility upto 200mm thick plates.
9. CNC Drilling facility upto 300mm thick tubesheets

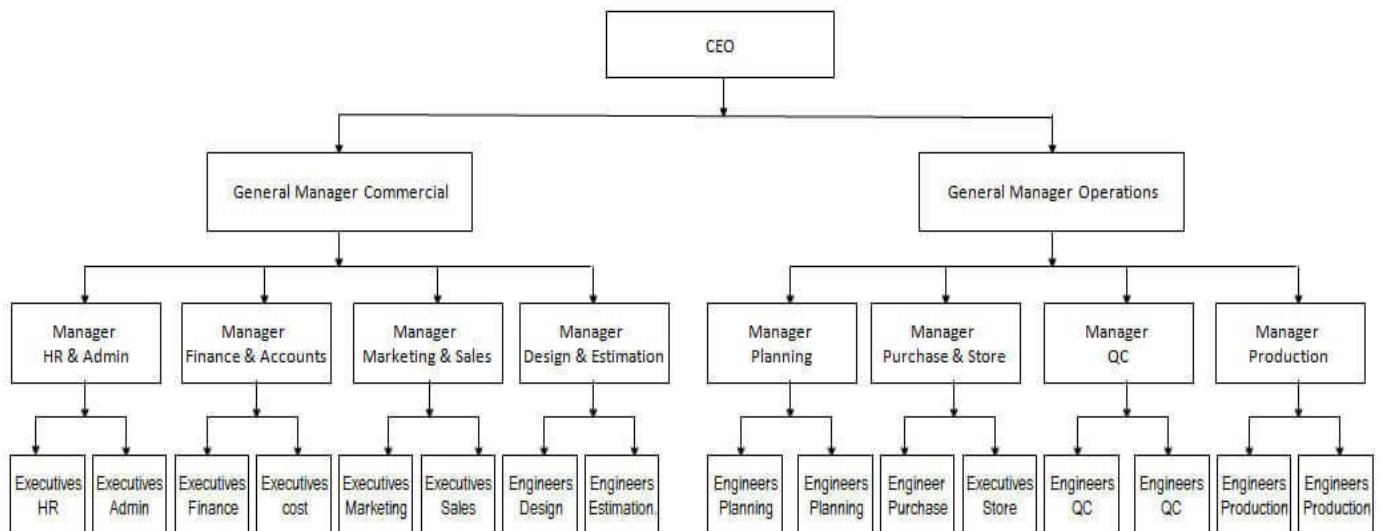
Our motto is to deliver Quality Products with full customer satisfaction; during and even after the execution of a project. Working hand in hand with our customers enable us to be a part of their growth. "Engineering Growth"

Our EPC Company, **Oriental Nicco Projects Private Limited** (Erstwhile Nicco Projects) with having executed more than 200 LSTK projects, further helps us to strengthen our designing capabilities by supporting us with their extensive experience and expertise in various fields. "From Concept to Commissioning"

## Organization & People



### ORIENTAL MANUFACTURERS (A DIVISION OF ORIENTAL ENTERPRISE PVT. LTD.)



## Infrastructure



### Manufacturing/Dimensional Capabilities

PRESSURE VESSELS/COLUMNS		HEAT EXCHANGERS			
Thickness	150mm	Tube sheet Thk	300mm		
Weight	160 MT	Tube OD/Length	50mm/12mtr		
Diameter	6000 mm	Weight	160 MT		
Height/Length	40 mtr				
Carbon Steel	Low Alloy	High Alloy		Non-ferrous	Clad
Boiler Quality CS	1.25Cr 0.5Mo	SS 304	SS 904	Inconel 600	S S Clad
LTCS		SS 316	SS 410	Cu : Ni	Cu : Ni

NACE- HIC	SS 321	SS 316Ti	Ti Lined
	SS 347	SS 309	
	DSS	SDSS	

#### Engineering Resources

1. PVElite
2. Microprotol
3. HTRI
4. AutoCAD 2010

#### Codes & Standards

1. American Society of Mechanical Engineers (ASME)
2. American Society of Testing Materials (ASTM)
3. Tubular Exchanger Manufacturers Association (TEMA)
4. ANSI
5. AWS
6. Indian Standard (IS)
7. Indian Boiler Regulations (IBR)
8. PD 5500
9. SMPV RULES (For Explosive Applications)
10. GAS CYLINDER RULES (For Explosive Application)

## List of Machinery

Sr. No.	Equipment Name	Nos.
1	Overhead EOT cranes 30T (2), 20T (4), 10 T (2)	7
2	Jib cranes- 2T, 3T	20
3	Material handling trolley- manual	4
4	Shaping machines	2
5	HEC horizontal boring machine- 80 mm diameter spindle	1
6	HMT radial drill machine- RM 62	5
7	Vertical Turret Lathe (1200 Diameter * 1200 Ht)	1
8	Pedestal tool grinder	4
9	Hydraulic plate shear machine- 16thk* 3.2 wide	1
10	Hand operated plate cutting machine	1
11	Power hacksaw	1
12	Disc cutting machine	1
13	Submerged arc Welding with trolley	2

14	Submerged arc welding machine with boom	1
15	400 A DC Welding Rectifiers	8
16	Tig Welding sets with Water cooling system	11
17	Electrode baking oven	3
18	Portable oven for electrodes heating	16
19	MIG Welding set	1
20	Hydraulic Press (500 T,120 T, 50T)	1 each
21	Hydraulic plate bending machine (3 Mt * 50 mm)	1
22	Plate bending machine (2.5 Mt*20 mm)	1
23	Plate bending machine (2 Mt*12 mm)	1
24	Plate bending machine (1 Mt*6mm)	1
25	Angle plate bending machine	1
26	Automatic Tube hole grooving machine	2
27	Pipe bending machine (motorized)	1
28	U tube bending machine	1

29	Elbee Hydraulic pressure equipment	2
30	Electricity controlled tube expansion machine	3
31	Dynamic balancing machine	1
32	Air compressor	11
33	Portable air compressor	2
34	Hydro test pump (120 kg/cm <sup>2</sup> & 500 kg/cm <sup>2</sup> )	1 each
35	Vacuum pump (micro stroke)	1
36	Diesel generator set ( 250 KVA * 360 HP* 3 Ph)	1
37	Spray gun machine for painting	1
38	Ultrasonic flaw detector	1
39	Dial Vernier & micrometer, steel rule, bare gauges	2 Sets
40	Vacuum gauges, Pressure gauges,	Lot
41	Temperature gauge, Thermometers	1 & 2
42	Tachometer, ammeter, multi-meter, volt meter, bevel protector, combination set, depth gauge, height gauge, spring calipers, Vibration meter, DFT etc.	Lot



43	Thickness Gauge	1
44	Micrometer	2
45	100 T Capacity Mobilelifting Device	1
46	Rotators -100 T-2 Sets with Idlers, 60 T –2 Sets with Idlers,40 T –2 Sets with Idlers-, 20 T –5 Sets with Idlers	
47	Alco meter	1
48	Mobile crane 12/14 T	1
49	New Welding Machine 400 Amp.	25
50	TIG Machine	5
51	CNC Plate cutting machine	1
52	Order Placed for CNC Drilling machine	1
53	Tube Expandable up to 2"	1