

Meet the name
built on
**stainless
trust.**

STAINLESS STEEL
TUBES AND PIPES



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A legacy
**written with
your trust.**

The Beginning - **O.P. Jindal Group**

In a short span of three decades, the O.P. Jindal Group has grown from a single-unit steel plant in Hissar, Haryana, India, to a multi-billion dollar, multi-location and multi-product steel conglomerate.

Founded in 1952 by Shri O. P. Jindal, a first-generation entrepreneur, the group today is a leading steel producer with interests spanning across the spectrum from mining iron ore to manufacturing value-added steel products. Ranked fourth amongst the top Indian business houses in terms of assets, the Group today is a US \$18 billion conglomerate, spread over multiple plants at various strategic locations in India and many facilities across the globe. Major group companies include Jindal SAW Ltd., JSW Steel Ltd., Jindal Steel & Power Ltd. and Jindal Stainless Ltd.

The O.P. Jindal Group has charted out an aggressive growth plan for the coming decades. All the Group companies are well poised to take advantage of the huge opportunities available on an international scale.

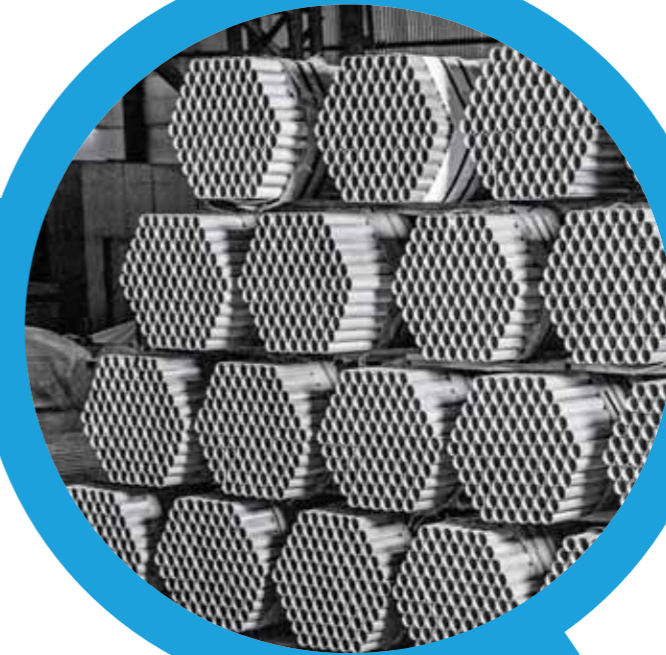
Building Trust - **JINDAL SAW LIMITED**

Part of the O.P. Jindal Group, Jindal SAW Ltd. started operation in 1984 when it became the first company in India to manufacture Submerged Arc Welded [SAW] Pipes using the internationally acclaimed U-O-E technology.

Jindal SAW manufactures SAW pipes and Spiral pipes for the energy transportation sector; carbon, alloy and Seamless tubes and pipes for industrial applications; and Ductile Iron [DI] pipes for water and wastewater transportation.

Jindal SAW pipes are energy-efficient, reduce dependence on fossil fuels, and help conserve natural resources.

From mining of iron ore to manufacturing value added steel products, Jindal SAW is the undisputed leader in the pipe market. With a track record of stability, trust and growth of over three decades, Jindal SAW has a global presence that sets new benchmarks for the best.



Writing the Future - **Jindal Quality Tubular Limited**

Jindal Quality Tubular Limited [JQTL] has been set up as the largest manufacturing facility for Stainless Steel tubular products, both welded and seamless, in India. Its strategic manufacturing locations [Gujarat & U.P] are well connected by road and to ports to cater to domestic and global markets. JQTL has adopted the most advanced manufacturing techniques/processes to produce the widest size range of tubes/pipes.

JQTL has an installed capacity of 30000 M.T annually. The highly advanced and sensitive production facilities ensures highest standard of product parameters in terms of accuracy, geometry, length and surface finish. Having implemented sophisticated customer management system, JQTL is focused on providing shorter delivery lead times and post sales customer management. JQTL team is enriched with years of experience and focuses on fulfilling customer's demands flawlessly. The production output is all set to be rolled out from both the locations within first quarter of 2016.



Seamlessly
**crafting
 the best**
 out of stainless

**Types of Material used in
 Manufacturing Programme**

- Austenitic Stainless Steel [Seamless and Welded Tubes and Pipes]
- Duplex Stainless Steel [Seamless and Welded Tubes and Pipes]
- Super Duplex Stainless Steel [Seamless and Welded Tubes and Pipes]
- Martensitic Stainless Steel [Seamless Tubes]
- Super Austenitic Stainless Steel [Seamless and Welded Tubes and Pipes]
- Ferritic Stainless Steel [Welded and Seamless Tubes]
- Super Ferritic Stainless Steel [Welded Tubes]
- Nickel Alloys [Seamless Tubes]

Trust us.
 If it's stainless,
 we have the best.

Our products
 are manufactured
 using
 state-of-the-art
 technology.

Our portfolio
 matches global
 quality standards.

Product Portfolio

| Manufacturing Range | | | | |
|---|--|---------------|--------------------|---|
| Product | Specifications | Sizes | | Length |
| | | Diameter | Thickness | |
| Welded Stainless Steel Tubes (Heat Exchanger, Condenser & LP / HP Heater U Tubes) | ASTM A 249, A 269, A 688 (U) EN 10217 - 7 as per ISO Tolerances | 12.7 - 102 MM | 0.5 - 5 MM | Straight Lengths upto 30 meters |
| Welded Stainless Steel Pipes | ASTM A 312 | 1/2" - 36" NB | Sch 5s, 10s, & 40s | Straight Lengths upto 12 meters |
| | ASTM A 358, A 778, A 789 | 8" - 42" NB | 3 - 50 MM | Generally produced in 12 metres double Random Length. Can be cut into smaller lengths as per customers requirement. |
| Stainless Steel Seamless Pipes | ASTM A 312, A 790 | 1/2" - 12" NB | upto Sch XXS | upto 12 meters double Random Length. |
| Stainless Steel Seamless Tubes | ASTM A 213, A 789, A 269 | 6 - 114.3 MM | 0.7 - 8 MM | Straight Lengths upto 30 meters |
| | EN 10216 - 5 as per ISO Tolerances | | | |
| U Tubes | Minimum Radius 1.5D; Maximum 2500 MM | | | |
| Hot Induction Bends - Seamless & Welded Pipes | High Frequency Induction Heating | 4" - 56" NB | | Bend Radius 14" - 420" |

Tubular solutions,
**trusted
across
industries.**

| Industry Applications |
|---|
| Nuclear, Thermal and Solar Power Plants |
| Refinery and Petrochemicals |
| Oil and Gas |
| Chemicals and Fertilizers |
| Process Industries |
| Defence |
| Atomic Energy and Aerospace |
| Pulp and Paper |
| Automobile |
| Cryogenic Services |
| Pharmaceuticals |
| Railways |
| Steel Plant and Machinery |



What starts
as stainless
**remains
stainless.**

| Testing Facilities | |
|--|---|
| Destructive Testing Facilities | Non Destructive Testing Facilities |
| Our in-house testing laboratory is accredited by NABL | |
| Physical Testing | Laboratory Spectrometer & Portable Spectrometer |
| Flattening Test | Positive Material Identification (PMI) Test |
| Tension Test | Micro Structure Examination Test / Analysis |
| Flaring Test | Ferrite Number Test |
| Flange Test | Online O D Measurements |
| Reverse Bend Test | Weight Measurement for Chemical Analysis |
| Transverse Tension Test | Online Eddy Current Test |
| Transverse Guide Bend Test | Ultrasonic Test for Flaw Detection |
| Impact Test at Controlled Temperature | Portable U T Tester for Thickness Measurement |
| | Realtime Radiography Tests |
| | X- Ray Test - Film Radiography |
| | Film Reviewer |
| | Surface Roughness |
| | Videoscopy |
| | Microscopes with Photograph Facility |
| | Residual Stress Test |
| | Hydrotest - Straight Tube/pipe and 'U' Bend Tubes |
| | Air under Water Test - Straight length up to 30 Meter |
| | Air under Water Test - for U Bends 15 Meter |
| Other Tests | |
| Intercrystalline Corrosion Test in accordance with ASTM A 262 practice, Type A,B & E | |
| Pitting Corrosion Test in accordance with ASTM A G48A | |
| Hardness Test | |
| Die Penetrate Test | |
| Chloride Contamination Test | |
| Water Quality Testing Facility | |
| Acid Bath Analysis Test | |