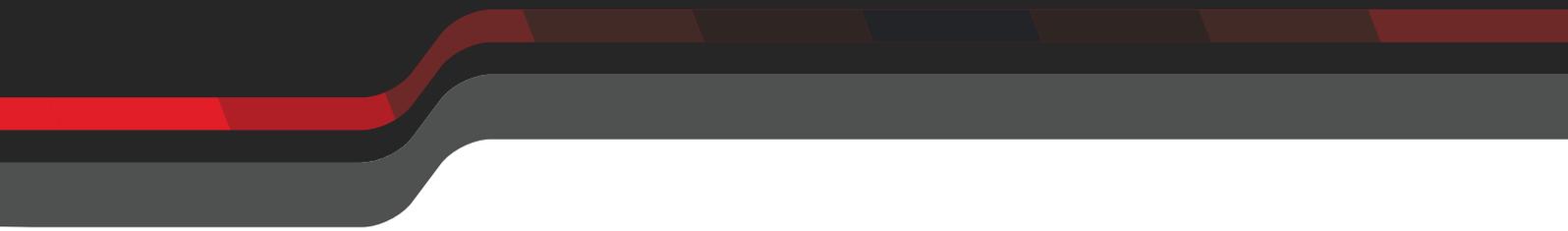




VASANT
GROUP
A Winning Attitude



MITTAL - STAINLESS STEEL PIPES & TUBES



» MITTAL STAINLESS STEEL PIPES AND TUBES

We provide the highest quality premium Stainless Steel Welded Pipes & Tubes that have been engineered and manufactured to meet customer requirements. The strength of the Stainless Steel Division is in manufacturing products for critical applications by meeting the stringent requirements which are then tested in the in-house Laboratory.

The pipes and tubes offered by us are widely appreciated because of the 4 qualities that every individual piece exhibits -

1) Dimensional Accuracy 2) High Strength 3) Corrosion resistance 4) Durability

The Process of manufacturing these pipes and tubes begins with the procurement of strictly tested (through Chemical analysis as well as physical and mechanical inspection) material from the leading producers. The coils are slit to the size of development of the tube/pipe then rolled and tig welded. Further operations involve Solution Annealing, Pickling, Air Under Water & Hydro Testing, Cutting and Chamfering, Final Pickling and Passivation, 100% Visual inspection and marking before being packed and dispatched to respective clients.



» APPLICATIONS



CONSTRUCTION



FOOD INDUSTRY



PETROCHEMICAL INDUSTRY



PHARMACEUTICAL INDUSTRY



WATER & WASTE WATER
TREATMENT PLANT



AUTOMOTIVE INDUSTRY

STAINLESS STEEL TUBE PRODUCTION SERIES

Outer Diameter (in mm)	0.60	0.70	0.80	0.90	1.00	1.20	1.50	1.60	1.80	2.20	2.30	2.50	2.80	3.00	3.20	3.50	4.00
12.70																	
15.88																	
19.05																	
22.23																	
25.40																	
31.75																	
35.00																	
38.10																	
40.00																	
44.45																	
45.00																	
48.00																	
50.80																	
63.50																	
76.20																	
95.00																	
101.60																	
127.00																	
Square Sizes	12 x 12, 15 x 15, 20 x 20, 25 x 25, 30 x 30, 38 x 38, 40 x 40, 50 x 50, 60 x 60, 80 x 80, 100 x 100, 150 x 150.																
Rectangle Sizes	40 x 20, 50 x 25, 60 x 40, 80 x 40, 90 x 30, 100 x 50.																
NB Sizes	15 TO 250 NB SIZES ARE AVAILABLE																

GRADES: 200 Series, 300 Series, 400 Series

FINISHING: Tubes can be supplied with mirror and mechanical polishing with grit ranges of 80, 120, 240, 320, 400, 600, 800 and 1000.

INSPECTION & TESTING

Chemical Testing

Chemical analyses are conducted as per the ASTM requirements in a NABL approved laboratory.

Mechanical Testing

We regularly carry out Flanging Flaring, Flattening, Hardness, Reverse bend and Tensile testing according to ASTM standards.

Hydro Test

As per ASTM a 450 & 530, 100% hydro-testing is carried out on a hydraulic test bench using a high-pressure pump on all pipes and tubes.

Air Under Water Test/ Pneumatic Test

Despite this being a supplementary test, the company makes sure to test all the tubes coming out of the unit, under compressed air, to determine leakages and ensure that there are no incomplete weld penetrations.

Eddy-Current Testing

This test used to detect sub surface defects etc. is carried out by using the Techno Four Flaw marking detective system on the entire length of the tubes as per the E426 with hole or notch standard.

Hardness Tester

To Check the surface hardness of the material, we use Rockwell Brinell Scale on the 30T scale, This hardness test is carried out as per ASTM A 370.

Micro Structure Examination/Analyzer Software

To measure ferrite content, we have a microscope that checks the grain structure of the pipes and tubes after the annealing process. This microscope is attached to an analyzer software, which automatically indicates the grain structure without manual intervention.

Corrosion Testing

To measure the rate of corrosion or check the susceptibility of the material to intergranular corrosion attacks, the IGC test, as per A 262 practice A B C or E, is conducted in our in-house.

Chemical Laboratory

As per ASTM a 450 & 530, 100% hydro-testing is carried out on a hydraulic test bench using a high-pressure pump on all pipes and tubes.

Radiography Testing

You can avail of our radiography testing facility that comprises several X-ray units.

Ultrasonic Testing

Off-line ultrasonic testing can be conducted at our facility which consists of a four-probe water emulsion system attached to a microprocessor unit, to detect special process flow. The system is capable of marking the defect by spraying.



MITTAL PRECISION HITECH STEELS PVT. LTD.

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