



 **Steelitalia**

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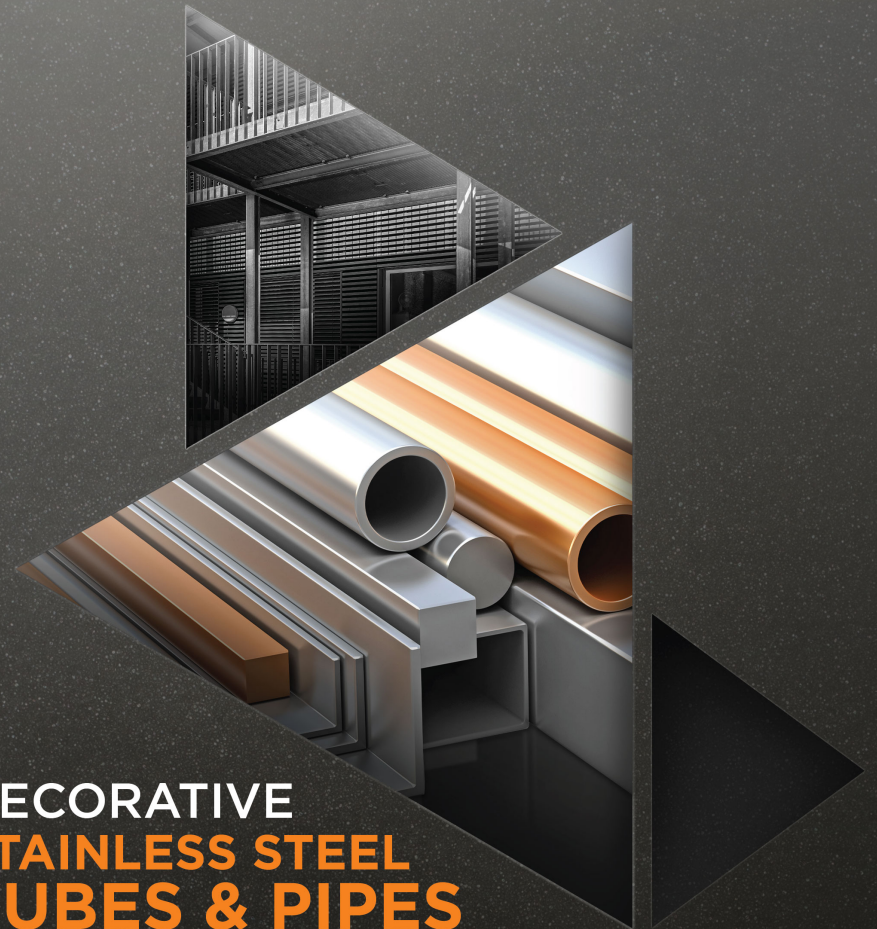


FROM THE HOUSE OF

**JSL**  
JINDAL STAINLESS

 **JINDAL  
STAINLESS  
STEELWAY**

 **Steelitalia**



**DECORATIVE  
STAINLESS STEEL  
TUBES & PIPES**  
**PERFECTED WITH ITALIAN  
TECHNOLOGY.**

MULTIPLE FINISHES  
2B / Mirror / Matt



## About Us



A part of the O P Jindal group, Jindal Stainless Limited (JSL) is India's largest and the only fully integrated Stainless Steel manufacturer. Jindal Stainless has grown from an indigenous single-unit Stainless Steel plant in Hisar, Haryana, to the present multi-location and multi-product conglomerate. JSL is a globally recognized producer of Stainless Steel flat products in Austenitic, Ferritic, Martensitic and Duplex grades.



### A Name Trusted Beyond Borders

Jindal Steelitalia from the house of Jindal Stainless Steelway Ltd. Which is the subsidiary of Jindal Stainless, is an ISO-9001:2008 certified company, is the most trusted name in the stainless steel tube and pipe industry. It is famous for its top-notch technology, unmatched expertise and unwavering focus on its customers' requirements. Jindal Steelitalia is known beyond borders for its incredible range of stainless steel tubes and pipes in round, square and rectangular with varied types of finishes (up to 1000 grit mirror finish).

### Best delivering the best

The state-of-the-art plant in Gurgaon, near New Delhi is equipped with world's finest polishing and tube mills; one Grindmaster polishing machine for Satin Finish, two round polishing machines, and two section polishing machines. All of them employ high frequency induction welding technologies from OTO mills, Italy. The company has installed two TIG welding machines from Olma, Italy, which further helps offering its customer a complete range of products. The company follows stringent quality systems, ultramodern testing and inspection to make sure that only the best of products reach its customers.

### Moving forward

Jindal Steelitalia Ltd. has created benchmarks in the industry in terms of quality maintenance and product improvement. With its zeal to meet the ever-changing quality demands of its customers, the company insists on maintaining world-class quality standards in all its products. And the same is accentuated by the work culture that thrives in its workforce. There is total involvement of its employees in meeting the quality objectives as laid down in the company's quality management system.



QR Code





## A BENCHMARK OF QUALITY

### A NAME TRUSTED BEYOND BORDERS

Steelitalia is a subsidiary of Jindal Stainless Steelway Limited. Steelitalia is famous for its technology, expertise, and focus on customer requirements. Its incredible range of stainless steel tubes and pipes come in round, square, rectangular and with varied types of finishes (up to 1000 grit mirror finish).

### SIGN OF ORIGINALITY

Manufactured with Italian technology, each Steelitalia product has long-lasting finish and beauty, and a unique serial number & batch number to assure original quality.



### BEST DELIVERING THE BEST

Our plant in Gurgaon is equipped with polishing mills and tube mills that employ high frequency induction welding technologies from OTO mills, Italy.

### MOVING FORWARD

Steelitalia has created benchmarks in the Stainless Steel Tube, industry in terms of quality maintenance and product improvement. The company consistently maintains world-class quality standards in all its products.

## STEELITALIA'S LONG-LASTING PROMISES



**STATE OF THE ART INFRASTRUCTURE,  
LATEST ITALIAN TECHNOLOGY.**

**STACKING MILL**



**HF MILL**

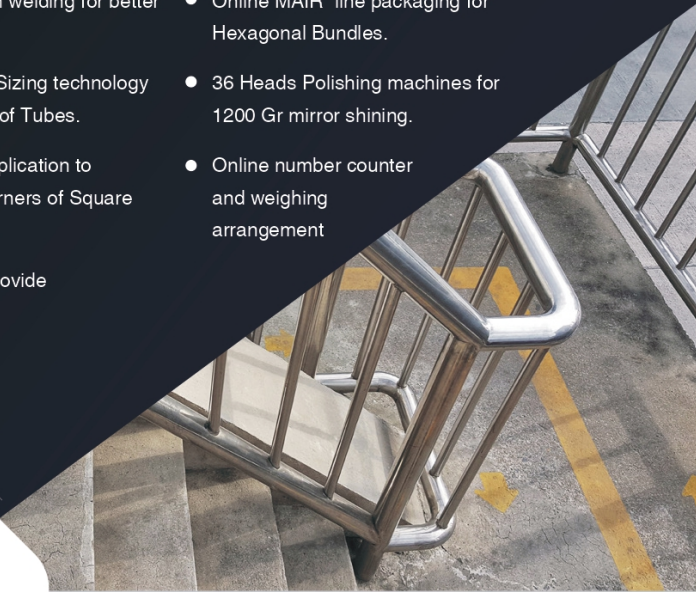


**AUTOMATED SECTIONS FOR POLISHING LINE  
BEST QUALITY OUTPUT**



## UNMATCHED TECH FOR UNMATCHED ADVANTAGES

- High frequency Induction welding for better welding strength.
- Automatic Forming and Sizing technology to maintain straightness of Tubes.
- Automatic Turk Head application to maintain 90° angle at corners of Square and Rectangular Tubes.
- Online COC cutting to provide tailored length.
- Online MAIR line packaging for Hexagonal Bundles.
- 36 Heads Polishing machines for 1200 Gr mirror shining.
- Online number counter and weighing arrangement



INFRA  
PROJECT

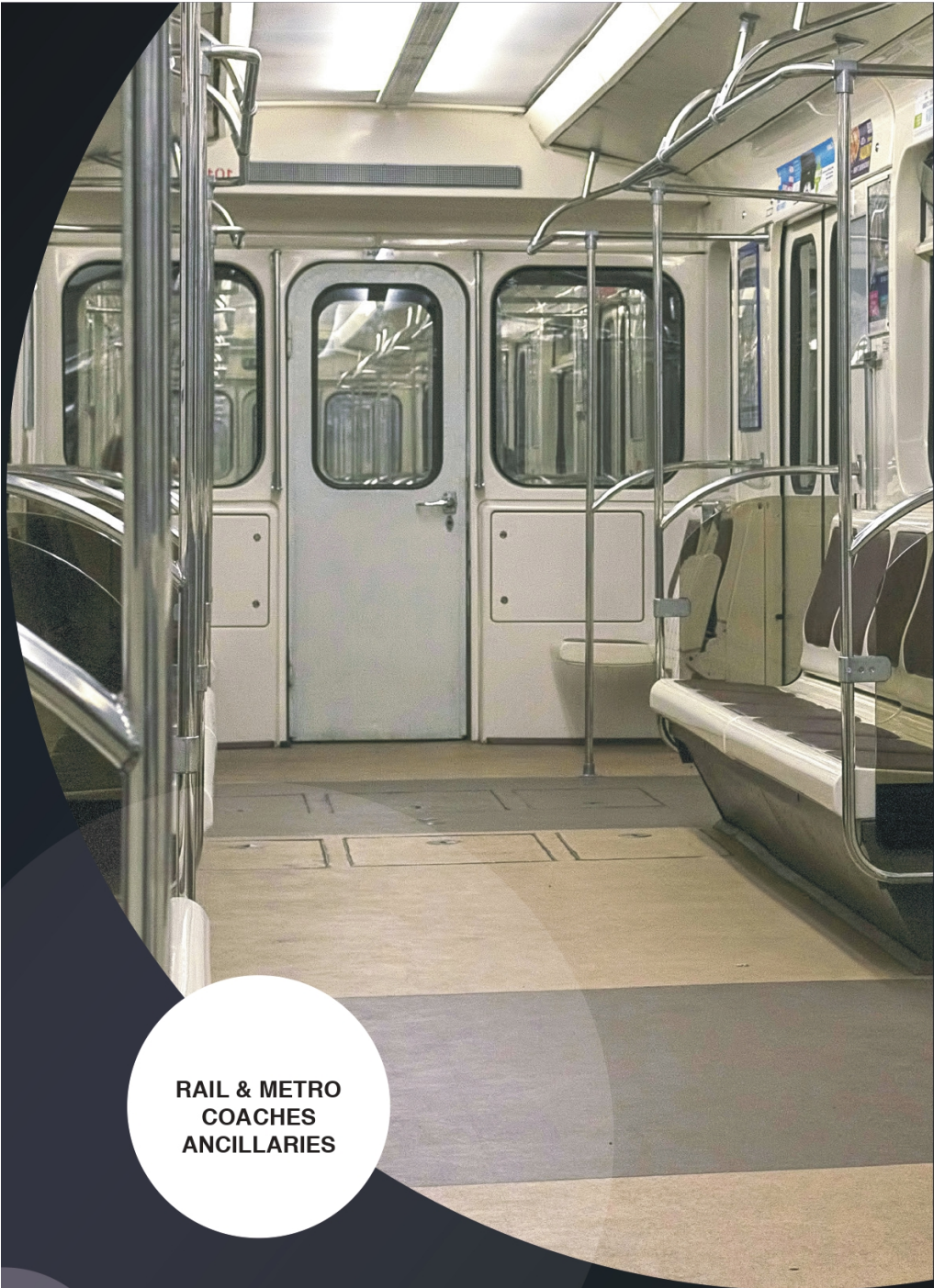


STRUCTURAL  
METALWORK

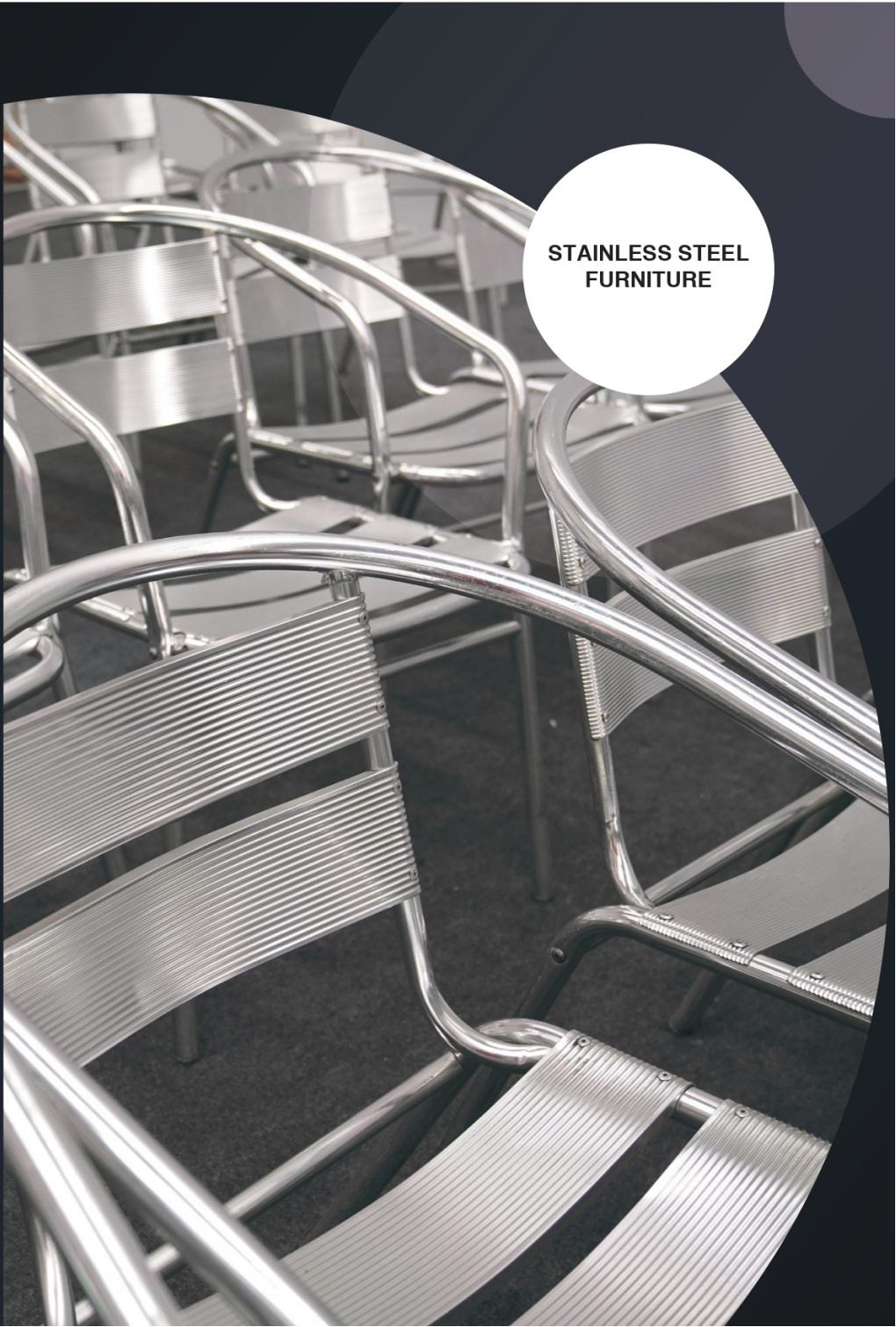
**DECORATIVE  
FURNITURE  
MANUFACTURING**



**GENERAL  
ENGINEERING  
MANUFACTURING**



**RAIL & METRO  
COACHES  
ANCILLARIES**



**STAINLESS STEEL  
FURNITURE**



## WIDE PRODUCT RANGE WITH VARIED FINISHES:

	SIZE(MM)	Thick. (mm)				
		0.9	1.2	1.5	2	3
Round (OD)	12.7	✓	✓	✓		
	15.88	✓	✓	✓		
	19.05	✓	✓	✓	✓	
	25.4	✓	✓	✓	✓	
	31.75	✓	✓	✓	✓	✓
	38.1	✓	✓	✓	✓	✓
	50.8	✓	✓	✓	✓	✓
	63.5		✓	✓	✓	✓
76.2		✓	✓	✓		
Square	12x12	✓	✓	✓		
	15X15	✓	✓	✓		
	20X20	✓	✓	✓	✓	
	25X25	✓	✓	✓	✓	
	30X30	✓	✓	✓	✓	
	40X40	✓	✓	✓	✓	✓
	50X50		✓	✓	✓	✓
	80X80		✓	✓		
Rectangular	26X13	✓	✓	✓		
	40x10		✓	✓		
	40X20	✓	✓	✓	✓	
	50X25	✓	✓	✓	✓	✓
	60X40		✓	✓	✓	✓
	75X25		✓	✓	✓	
	80X40		✓	✓	✓	



Matte



Satin



Mirror

Mirror, Satin, Matte and in outer diameter ranging from 15.88 mm to 76.20 mm Round/corresponding Sections size and thickness ranging from 1.00 mm to 3.00 mm.

Manufactured as per ASTM international standard to meet the domestic and industrial needs.

## WEIGHT CHART / TUBE LENGTH-6100 MM (KG)

### ROUND (OD) PIPES



SIZE(MM)	Thick. (mm)				
	0.9	1.2	1.5	2	3
12.7	1.7	2.1	2.5		
15.88	2.1	2.7	3.3		
19.05	2.6	3.2	4	5.2	
25.4	3.5	4.4	5.4	7.1	
31.75	4.4	5.5	6.9	9	12.9
38.1	5.3	6.7	8.3	10.9	15.8
50.8	7.2	9	11.2	14.8	21.5
63.5		11.3	14.1	18.6	27.3
76.2		13.6	16.9	22.4	

### SQUARE PIPES



SIZE(MM)	Thick. (mm)				
	0.9	1.2	1.5	2	3
12x12	2.1	2.7	3.3		
15X15	2.6	3.2	4		
20X20	3.5	4.4	5.4	7.1	
25X25	4.4	5.5	6.9	9	
30X30	5.3	6.7	8.3	10.9	
40X40	7.2	9	11.2	14.8	21.5
50X50		11.3	14.1	18.6	27.3
80X80		18.2	22.7		

## RECTANGULAR PIPES



SIZE(MM)	Thick. (mm)				
	0.9	1.2	1.5	2	3
26X13	3.5	4.4	5.4		
40x10		5.5	6.9		
40X20	5.3	6.7	8.3	10.9	
50X25	6.7	8.4	10.5	13.8	19.8
60X40		11.3	14.1	18.6	27.3
75X25		13.6	16.9	22.4	
80X40		13.6	16.9	22.4	

## ASTM- SPECIFICATIONS

Specifications ASTM - A554		Dimensional Tolerance		
A	Round Tubes	Outside Diameter (mm)	Thickness (mm)	Tolerance (mm) (+/-)
		12.70 - 25.40	0.51 - 1.65	0.13
		12.70 - 25.40	1.65 - 3.40	0.25
		25.40 - 38.10	0.64 - 1.65	0.20
		25.40 - 38.10	1.65 - 3.40	0.25
		38.10 - 50.80	1.65 - 3.40	0.25
		38.10 - 50.80	1.24 - 2.11	0.28
		38.10 - 50.80	2.11 - 3.78	0.30
		50.80 - 63.50	0.81 - 1.65	0.30
		50.80 - 63.50	1.65 - 2.77	0.33
		50.80 - 63.50	2.77 - 4.19	0.36
		63.50 - 88.90	0.81 - 4.19	0.36
		B	Section Tubes	Width x Height (mm) /OD
12.70 - 32	All			0.38
32 - 63.50	All			0.51
63.50 and above	All			0.76
C	Radius Corner	Thickness wise (mm)		
		0.5 - 1.24	2.4	
		1.24 - 15	3.2	
		1.65 - 2.11	3.6	
		2.11 - 2.42	4.6	
		2.42 - 2.77	5.2	
		2.77 - 3.4	5.6	
D	Twist Tolerance	Tube Diameter (mm)		Tolerance (mm) / per meter
		12.70 - 38.10		2.1
		38.10 - 63.50		2.6
		63.50 - 101.60		3.5

## CHEMICAL COMPOSITION FOR LONGER LIFE

Percentage Stainless Steel Grade Designation	C Max	Si Max	Mn Max	Cr	Ni	P Max	S Max	Other Elements
SS 304	0.08	0.75	2.00	18.00 - 20.00	8.00 - 10.50	0.45	0.030	-
SS 304L	0.03	0.75	2.00	18.00 - 20.00	8.00 - 12.00	0.45	0.030	-
SS 310	0.25	1.50	2.00	24.00 - 26.00	19.80 - 12.00	0.45	0.030	-
SS 316	0.08	0.75	2.00	16.00 - 18.00	10.00 - 14.00	0.45	0.030	Mo2.00/3.00
SS 316L	0.03	0.75	2.00	16.00 - 18.00	10.00 - 14.00	0.45	0.030	Mo2.00/3.00
409L	0.03	1.00	1.00	10.50 - 11.70	0.50	0.40	0.020	Ti - 0.75
409M	0.03	1.00	1.50	10.80 - 12.50	1.50	0.30	0.030	Ti - 0.75
J1/JSL - AUS	0.08	0.75	8.00	16.00 - 18.00	4.00 - 6.00	0.07	0.01	-
J4	0.10	0.75	10.00	15.00 - 16.00	1.00 - 2.00	0.08	0.01	-
JSL - T	0.10	0.75	10.00	14.50 - 16.00	0.25 - 0.35	0.10	0.01	-

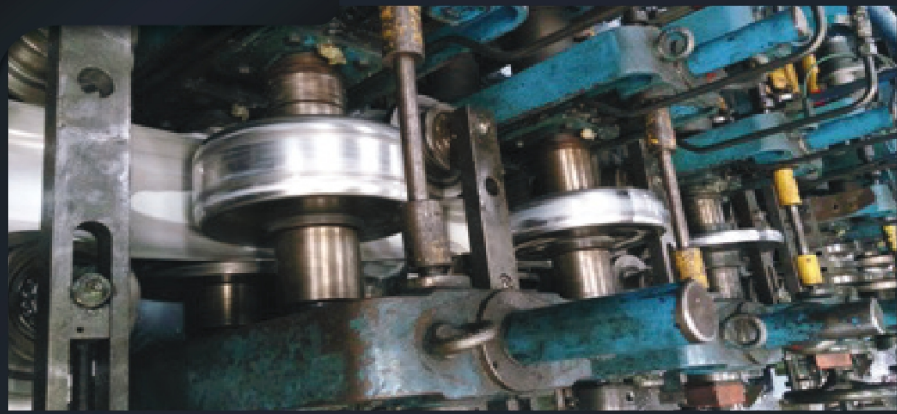
WORLD CLASS IN HOUSE CAPACITY AND CAPABILITY:  
 ANY NEW DIMENSION CAN BE DEVELOPED  
 BASIS THE REQUIREMENT OF THE CUSTOMERS

# WORLD CLASS INNOVATION FOR WORLD CLASS QUALITY

## HF MILL MACHINE: ITALIAN OTO WELDED TUBE MILL

- Tube Range:
  - OD from 15.88 mm to 76.20 mm
  - Thickness from 1.00 mm to 3.00 mm
- 350 KW Variable High Frequency Welder, Emmedi
- Mill Speed : Up to 120 MPM
- Most modern features with ID bead cutting technology, Online polishing, online de dimpling and hexagonal/square packing and online weighing system

HF Process Flow



Forming Section



Fin Pass



Welding Section



Sizing Section



## RESEARCH & DEVELOPMENT

When it comes to perfect surface finish, straightness and roundness, the product range of Jindal Stainless Steel becomes the preferred choice of everyone. The company is not only equipped with ultramodern laboratory and testing equipments but also capable of conducting macro as well as micro examination of samples.

A skill-set of engineers and technicians is dedicated for conducting and evaluating various tests. Adhering to international standards, physical as well as chemical testing is done in the state-of-the-art laboratory.



Not just this, the company also facilitates a full range of mechanical testing.

Not compromising on quality at any cost, the company uses special testing equipment for detecting surface and sub-surface defects in both longitudinal as well as transverse orientations. Online eddy current testing is also conducted under the supervision of the experts

## QUALITY ASSURANCE TEST

- Flange Test
- Hardness Test (Rockwell & Vickers)
- Reverse Flattening Test
- Flaring Test
- Flattening Test
- Eddy Current Test
- Roughness Test
- Grade Analyser Test
- Tensile Test



## TESTING FACILITIES:

### METALLOGRAPHIC MICROSCOPE

**Instrument & Machine Make:**  
Banbros

**Range:** 50X - 500X times

**Least Count:**

**Applications:** This test involves grain structure examination as per specification, like-weld flow, grain size, inclusions and deformation.



### UNIVERSAL TESTING MACHINE

**Instrument & Machine Make:** WAW 500E

**Range:** 400 KN

**Least Count:** 4KN

**Applications:** To test the tensile stress, compressive strength & shear testing of materials.



## VICKERS HARDNESS TEST

**Instrument  
& Machine Make:** Fie

**Range:**  
HV-5/HV-10/HV-30

**Least Count:**

**Applications:** To measure the hardness of materials, specifically thin sections and small parts.



## FLARING / DRIFT TEST

**Instrument &  
Machine Make:** Veera

**Range:** 40 Tons

**Least Count:**

**Applications:** Flaring test is carried out to check ductility of the material & flange test is carried out to check the material under deformation.



## ROCKWELL HARDNESS TESTER

**Instrument &  
Machine Make:** Saroj

**Range:**  
HRA/HRB/HRCtimes

**Least Count:**

**Applications:** Hardness tester is used for measuring hardness values of Tubes & Pipes.



## FLATTENING TEST

**Instrument &  
Machine Make:** Veera

**Range:** 40 Tons

**Least Count:**

**Applications:** Flattening test is carried out to check the material under compression.



## ERICHEN CUPPING TESTER

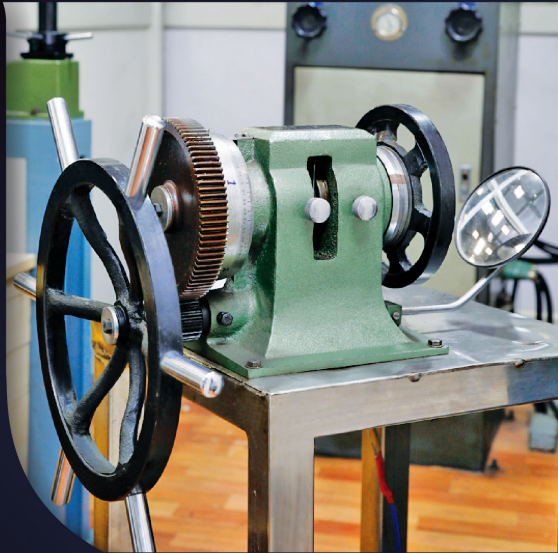
### Instrument

**& Machine Make:** Fie

**Range:** 0.1-20 mm

**Least Count:** 0.01 mm

**Applications:** For determining The ductility of the metal sheets & analyze the level of deformation on sheets.



## PROJECTS

### AIRPORT

- DELHI
- CHENNAI
- BANGALORE



## METRO

- BANGALORE METRO (BMRC)
- DELHI METRO (DMRC)
- MUMBAI METRO (MMRC)
- NAGPUR METRO
- PUNE METRO
- UP METRO (UPMRC)



## TUBE POLISHING

### Instrument & Machine Make:

Grind Master Machines

**Range:** 12.70 -76.20 mm

**Least Count:**

**Applications:** This machines are used to produce various aesthetic finishes right from matt finish to very high gloss mirror finish.



Grind Master Polishing Machine

## OTHERS

- GOA SHIPYARD
- ISKCON TEMPLE
- AND MANY MORE.....

