



**INSPIRING INNOVATIONS  
IN STAINLESS STEEL**

# STRENGTH / RELIABILITY / AGILITY

STRENGTH AND STABILITY ON THE GO





## HERITAGE OF JINDALS

50

Years

50+

Countries

\$25

Billion Turnover

Established in 1970 by steel visionary Mr OP Jindal, Jindal Group has spanned across 50+ countries marking a global footprint and positioned as top 5 business conglomerates in India. The group is backed by a workforce of diverse professionals.

Jindal Stainless is an eminent part of the massive JSHL, contributing a staggering \$2.9 B annually through its varied businesses. It is one of the world's largest integrated manufacturer of stainless steel. The group has a state-of-the-art stainless steel plant in Odisha and is a market leader in galvanized steel and saw pipes.



## **JSL LIFESTYLE:** Legacy Of Absolute Integration

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JSL Lifestyle is India's largest integrated stainless solution provider, proffering a range of products and services through its diversified verticals - JSLL Value Engineering (in OEM services), JSLL Mobility (public sector manufacturing projects especially Indian Railways), JSLL Infra (urban development projects), JSLL Plumbing (stainless plumbing solutions), Arc (masstige stainless kitchens and tableware brand), and Arttd'inox (a premium designer home fashion lifestyle brand) extending kitchens and homeware solutions.

# CATALYSING STAINLESS TRANSFORMATION



JSLL Mobility is the tender-based manufacturing arm that caters to the mobility sector, especially Indian Railways and Delhi Metro with a wide variety of products like retention tanks, coaches, chassis etc.



Assisting a variety of companies in procuring stainless steel products and components across industries, it extends exhaustive capabilities and aggressive support in product development and delivery.



India's first um segment proffering a broad home-ware and home-space range for its patrons, comprising of Tableware, Home Décor, Bespoke Kitchens, Vanities and Wardrobes.



An integrated plumbing solution provider in stainless steel with comprehensive pipes and fitting solutions in grade EN 316L and JIS 304 & 316L, guaranteeing quality products with easy installation.



A recent addition in our home-lifestyle business, Arc is a revolutionary stainless steel kitchen brand positioned in a mass-prestige segment in the Indian retail landscape



It provides a wide variety of infrastructural products such as Railings, Facade, Claddings, BQS, Structures, Benches, Dustbins, Toilets, Sanitary Solutions etc. with a dynamic and versatile service outlook.

# INSPIRING INNOVATIONS IN STAINLESS

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Being the leading manufacturer of stainless steel, we provide various components that have its application in the mobility sector, mainly Railways and Metro. Our optimally manufactured products lend great strength and longer durability to the trains along with providing ease and comfort to the commuters. The components of stainless-steel ranges in many grades that are used in railways operations. We majorly use austenitic stainless-steel in grades 316 L, 301LN, 201, 301, 201LN and 304 which are used in the construction of railway coaches build components of ferritic stainless steel 409M / IRSM 4497 and Nitronic 30 that is majorly used for freight wagons.

With our precise technical expertise, we create such structural components that find exceptional suitability for rail applications. The light weight and thin body of components facilitates an easy operation without compromising on quality. As the major factor in mobility is to maintain the strength, our products ensure it with components used in outer structure as well as on insides of the coaches.





## WHY US?

- Exclusive leading player in stainless steel space uniquely with both B2B and B2C interface
- State-of-art plant with ability to serve large quantities in short lead time
- Self reliant for product manufacturing securing competitive pricing
- Unique blend of manufacturing abilities and marketplace sensibilities
- Strong in-house designing and tooling capabilities of global repute
- Zero compromise on product quality
- High level of innovation & technological advancement
- Powered by a strategic understanding of the market
- Strives for unique collaborations adding to product innovations and development
- Backed by the House of Jindal, the largest producer of stainless steel in India
- Backward integration of raw material
- Honing business partner relationships with long term vision and perspective
- 100% customer satisfaction focus and compliance to customer SOP for each process
- Customised solutions, hassle free services for all products



# APPLICATIONS OF SS IN MOBILITY

Usage of stainless steel:

## Railways. Metros. Automobiles. Buses & Carriage Transportation. Infra Development



Stainless steel has superior strength-to-weight ratio and corrosion resistance. The contemporary finished product is aesthetically appealing and environment friendly as well. Owing to these properties, stainless becomes a preferred material for many, including our own Indian Railways. These products do not require protective paint coatings which efficiently reduces the cost of maintenance as well.

With fire and corrosion immune features, stainless steel backs the auto mobile industry like no other material. The load carrying capacity and fuel efficiency increases the usage and further enhances owing to its high strength, ductility and toughness.



From the Grab Poles in metro compartments, to the Roof Arch or Roof Corrugation at metro stations, all are constructed using stainless steel. Minimal maintenance and high durability properties make stainless steel an economical choice. Light weight designs and 100% recyclability, make stainless steel a green metal that is completely eco-friendly.



Outer panels of buses are manufactured using the austenitic stainless steel. This extends the properties that develop high strength coupled with formability for structural parts. Exceptional corrosion resistance and high energy absorption capacities ensure longer life span and enables weight reduction respectively.





# OUR MANUFACTURING PLANTS

Our Strength. Our Capabilities.

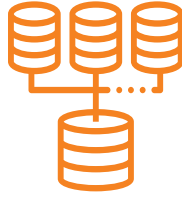
Our manufacturing is backed by three robust plants that are in Pathredi, Rohad, and Chennai. These state-of-the-art manufacturing plants are well equipped with cutting edge manufacturing and fabrication technology of global repute and certification. Our facility in Pathredi is spread over a covered area of massive 30,351 sq.m. that has the fabrication capacity of 5000 MT per annum. Our other plant, in Chennai is spread across 8,093 sq.m., while the Rohad plant is spread across 20,234 sq.m. Our all three plants are well geared with the new age technology of automated machines installed for optimum utilisation of resources with cost effective methodology.



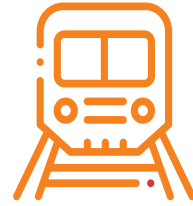
# OUR CAPABILITIES



25000 MT/Annum  
Fabrication Capacity



Full Backward Integrated



Experience In Critical Metro  
Product & Rolling Stock



Highly Qualified Management  
Team



SAP Based Manufacturing  
Support System



On-Time Delivery

# GLOBAL STANDARD CERTIFICATION



ISO 9001:2015  
Quality Management System



Conformity Assessment:  
2020 & Based On ISO/TS  
22163:2017



ISO 14001:2015  
Environmental  
Management System



ISO 45001:2015  
Occupational Health  
& Safety Management  
System



Welding Of Railway  
Vehicles & Components  
According To EN15085-2



EN 15085-2  
Welding of Railway  
Vehicles & Components

# OUR MACHINES

Acting as our backbone, our machines are our mega power! Here's a quick run through of our capacities that make us capable:



## Laser Cutting

Generates a laser beam which stimulates a lasing material by electrical discharges in a closed container.



## Turrent Machine

Used to remove metals from a workpiece to give a desire shape and size.



## Plasma Cutting

Cuts through electrically conductive materials by an accelerated jet of hot plasma.

# OUR MACHINES



## Cold Roll Forming Process

Our cold roll forming process is well equipped with suitable process for cutting pipes / rod/ sectional profile by using jigs.



## Polishing Lathe & Grinder

Used to polish pipes from mat to mirror finish.



## Robotic Spot Welding

Assists to join pieces of metal or thermoplastics through the use of a laser.

# OUR MACHINES MAN POWER

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Acting as our back bone, our machines are our mega power! Here's a quickrun through of our capacities that make us capable:

## Semi-Automatic Leak Testing

Determines if any leak has occurred in systems which contain liquids or gases.

## Shearing Machine

A multi purpose device used for cutting alloys and other sheet metals.

## Sheet Bending

Used to assemble a bend on a sheet as per desired.

## CNC Turret Punching

Turret punch machine has a choice of upto 60 tools in a turret that can be rotated to bring any tool to the punching position.

## Robotic Laser Welding

Capable of doing welding and cutting operations as well as used to weld specific sheets including sheet metal, welded wire mesh or wire mesh.

## Welding Equipment

Suitable for joining different types of profile by spot welding.

## Seam Machine

Used to join two or more metal items together by melting and flowing a filler metal into the joint.

## Milling Machines

Uses rotary cutters to remove material by advancing a cutter into a workpiece.

## Hydraulic Press

Uses a hydraulic cylinder to generate a compressive force on stainless steel.

## Hot & Sand And Bead Blasting

Used for cleaning, strengthening or even polishing metal.

## Puff Machine

Suitable for any type of hallow sap to fill the material accurately.

## Laser Welding

Assists to join pieces of metal or thermoplastics through the use of a laser.



# OUR METRO PRODUCTS

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Battery Box Delivered :500+ Car Set



Air Reservoir Delivered: 1000+ Car Set



Valve Box Delivered: 800+ Car Set



Grab Poles Delivered: 1000+ Car Set



Mounting Beam Delivered: 400+ Car Set



Lifting Beam Delivered: 400+ Car Set

# OUR RAILWAY PRODUCTS

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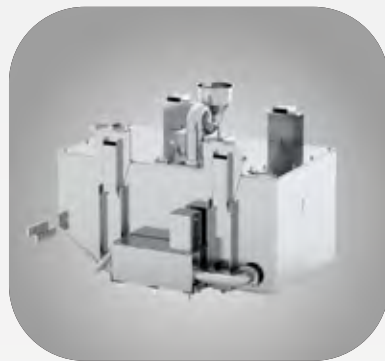
Modular Toilet Delivered: 3000+



Bench Delivered: 10000+



Water Tank Delivered: 200+



Retention Tank Delivered: 1,50,000+



Carline Delivered: 1500+



Delivered: 1500+



# NEW INNOVATION DEVELOPMENT



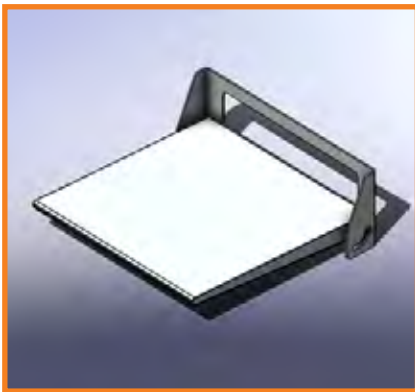
### Vacuum Toilet System

Vacuum toilets are flush toilets that use suction to remove feces and urine resulting in a minimum water requirement (0.5 to 0.8 liters per flush).



### HVAC Units

HVAC stands for Heating, Ventilation, and Air Conditioning. HVAC refers to the different systems used for moving air between indoor and outdoor areas.



### Flip-up Seats For Metro

We are in process to develop flip-up Stainless seat for metro segment with BEML.



### Metro Shell

In process to manufacturing 1st prototyping of Metro Shell Kit.



### Sliding Doors

Sliding Door for Indian Railways

# **STAINLESS STEELS** THE SHOW

The growing need of mobility sector has led to the usage of 'Green Metal' as it provides a sustainable and durable choice. The smooth finish and sleek appearance of stainless steel has further led the in flux of stainless steel in rail industry. As stainless steel does not require any protective paint coatings, there are no unnecessary costs incurred. It's incredible capacity to with stand wear-and-tear, without losing its durability, stainless steel is a standard material opted for rail applications.

## **THE WONDER METAL**

- Alloy of Iron with minimum 10.5% chromium
- Enhanced formability with corrosion resistance
- Extensive fire and heat resistance
- Highly hygiene friendly
- Extremely sturdy with long term values
- Exclusive aesthetic appeal
- Recyclable with reduced wastage
- Environmental friendly (100% green metal )
- Fire resistant
- Low maintenance



# OUR KEY CLIENTELE



**BOMBARDIER**

**ALSTOM**

**saft**

**CAF**





**JSL LIFESTYLE LIMITED.**

**STAINLESS CENTRE, PLOT NO.50, 6TH FLOOR, SECTOR-32, GURUGRAM,  
HARYANA -122001, INDIA**

**TEL : +91-8448 295 495, 124-4494434 | TOLL FREE NO.: 1800114585**

**EMAIL : CONTACT@JINDALSTAINLESS.COM | WEBSITE : WWW.JINDALLIFESTYLE.COM**