

# Driving the Nation towards Sustainable Progress





## OUR LEGACY DEFINES US

We started with a small pneumatic forging and fabrication unit in Howrah in 1964 to meet local demand for engineering products. We have since transformed into an engineering conglomerate, supplying a wide range of engineering products to various sectors such as Indian Railways, Automobile, Power, Oil & Gas, and more. Today, we have a **global presence in over 20 countries**, recognized for our commitment to quality and reliability.

Under the guidance of Mr. Kishan Dhanuka (Managing Director), the group has flourished and has four manufacturing plants and a project unit **Lalbaba Seamless Tubes, Lalbaba Industrial Corporation, PEW Engineering, and Lalbaba Projects**. Over the years, Lalbaba group has become an integral part of the rail freight industry's supply chain and today the group **proudly claims to have contributed to every wagon in the Indian Railways' fleet**.

## OUR JOURNEY

1964

Lalbaba Industrial Corporation commenced operations at Belur, West Bengal

1972

Entered the Railway market as a supplier of rolling stock products

1991

PEW Engineering commenced operations for supplying Air Brake components to Indian Railways

2002

Set up a manufacturing unit for Cold Rolled formed sections for the Railways

2009

Lalbaba Seamless Tubes was set up in Haldia, West Bengal, as the first its kind unit for Carbon & Alloy Steel Seamless Pipes

2018

Lalbaba Projects was established as a separate unit to provide on-site services for Railway Rolling Stock

2021

Started manufacturing Stainless Steel Seamless Pipes and Tubes

2022

Established manufacturing presence through acquisition in Ahmednagar, Maharastra

Today

The largest producer of Cold Drawn Seamless Tubes in India

## Lalbaba Seamless Tubes



Lalbaba Seamless Tubes is India's largest manufacturer of Cold Drawn Seamless Tubes, with an annual capacity of 72,000 Metric Tonnes. With a strong presence in Eastern and Western India, the tubes are widely used in Railways, Oil & Gas, Automobiles, Hydraulics, Boilers, and Power Plants, known for their trusted quality and reliability.

## Lalbaba Industrial Corporation



Lalbaba Industrial Corporation is a dedicated forging unit in Uluberia, which can produce forgings up to 40Kg. It has a precision die-making facility and CNC machining centers. The corporation has a proven track record as a reliable supplier of critical forgings to the Indian Railways, Defense sector, steel plants, and exports.

## PEW Engineering



PEW Engineering, based in Howrah and Haldia, manufactures essential components for Air Brake systems, including slack adjusters, brake cylinders, reservoirs, and Check valves. The company has been a prominent supplier to Indian Railways and wagon builders for over 5 decades, ensuring quality and reliability.

## Lalbaba Projects



Lalbaba Projects is a specialized unit that offers "turn-key" solution to the Railways for all issues related to Freight wagons and Passenger coaches. This unit has already undertaken the work of upgrading the Air Brake system on more than 100,000 Freight wagons and rehabilitation of 200 Coaches.

## CERTIFICATIONS



## RAILWAY EXPORT

Our Group has been a prominent supplier to all the Wagon manufacturers and Indian Railways for various Freight wagon components and Air Brake as well as Bogie suspension items for the Passenger coaches for more than Five decades. We have also been collaborating with various units of IR as well Private sector freight operators for their onsite support for Air brake system upgrades as well Freight and Coach rehabilitation related works. Now we would like to extend our expertise of the

Rolling stock repairs and best maintenance practices to the export markets.

We have our dedicated teams of engineers and designers to undertake any work anywhere in the world and adhering to international standards and specifications, with a total back up with our in-house manufacture of majority of critical components required for the Rolling stock maintenance and upgrade.



# ROLLING STOCK UPGRADE & REHAB PROJECTS

## FREIGHT WAGONS

- The group has already completed contracts, awarded by the Indian Railways to upgrade the Air- Brake system on over 1,00,000 Railway wagons.
- The work consists of complete supply and commissioning the Air Brake system at the customers' premises with total 24x7 logistic and technical support.
- The group provides "End-to-End" solutions to Container Train Operators (CTO) and private sector wagon owners to upgrade their wagon fleet according to their requirements.



## PASSENGER COACHES

The Group has also established its presence in the passenger coach furnishing as well as refurbishment work with Indian Railways

- The interior furnishing work at Coach factories in Chennai, Kapurthala and Raebareli for Air Condition Coaches.
- Corrosion repairing including Furnishing, Rehabilitation and Plumbing work on different makes of Coaches, in Zonal Workshops.
- Conversion of ICF Coaches to Accident Relief Train/ Medical Vans and Vehicle Carrier (NMG & NMGHS) Coaches.
- We have capabilities of manufacture of Interior panels and other furnishing materials in collaboration with reputed Indian companies.



## PRODUCTS FOR RAILWAY ROLLING STOCK

### 01 | FREIGHT STOCK COMPONENTS

#### 1.1 Air Brake Pipes

	Carbon Steel Seamless	Stainless Steel Seamless
Grade	IS: 1239 (PART 1) / Heavy -2004/ ASTM A 106	ASTM A312 Schedule 40S GR - TP 304*
OD	26.7 - 42.9 mm	26.7 - 42.9 mm
ID	20.0 - 32.0 mm	20.0 - 32.0 mm
WT	2.9 - 4.0 mm	2.9 - 4.0 mm

\*Now replaced by BIS specification IS 17875: 2022 for Indian Railways and other industries in India





## 1.2 Slack Adjuster

We manufacture Slack Adjusters type IRSA 600 and IRSA 750 type as per Indian Railway specification. We also manufacture DRV 2A 600 and DRV 2A 450 Slack Adjuster with 4 star rolled threads for the export markets of Africa and Southeast Asia.



## 1.3 Core Forgings

### CBC Coupler Forging Components

- Knuckle Thrower
- Lock Lift Lever Hook
- Lock
- Connector
- Toggle

### BOBRN / Gondola Wagon

- Lever Central
- Lever X end
- Lever Y end
- Hopper Door Pinion
- Bevel Wheel for BOBYN Wagon

### Draft Gear Forgings

- Top Follower
- Wedge
- Shoe

### Container Forgings

- Cam
- Keeper
- Handle
- Hinge

### BOXNHLMBS Wagon (Open Type)

- Towing Hook
- Retaining Ring
- Door Hinge

### Screw Coupling



## 1.4 Schaku (SHERFENBOURG) coupler for Metro Railways



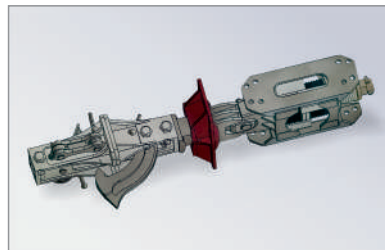
## 1.5 Air Brake Components

- Air Reservoir
- Empty Load Device
- Air Brake Cylinder
- Cut-off Angle Cock
- Auxiliary Reservoir
- Centrifugal Dirt Collector
- Brake Cylinder with Integral Slack Adjuster
- Isolating Cock
- Drain Cock
- Check Valve



## 1.6 Coupler assembly and its components

1. MCA-DA
2. MCA-PH
3. Alliance coupler
4. ABC coupler



## 02 | COACHES & LOCOMOTIVE

### 2.1 Air Brake Pipes

Air Brake Pipes - Coaches		Air Brake Pipes - Locomotive
Grade	ASTM A312 Schedule 40S GR - TP 304* ASTM- A269 and DIN-2391	ASTM A 269*
OD	18.0 - 48.3 mm	25.4 mm
WT	2.0 - 3.7 mm	2.1 mm

\*Now replaced by BIS specification IS 17875: 2022 for Indian Railways and other industries in India

### 2.2 Double Ferrule Fittings

There are mainly 5 sizes of Pipe used in Coaches i.e., 1", 1½", ¾", 25mm and 28mm. For each size Front Ferrule, Back Ferrule and Nuts dimensions are different.

Parts Name	Material Grade
Body Parts	ASTM A479 TP 304 (Bar Stock) ASTM A182 F304 (Forging)
Ferrule (Back & Front) and Nut	ASTM A479 TP 304 (Bar Stock) ASTM A182 F304 (Forging)



### 2.3 Forging Components

- Enhanced Capacity Screw Coupling
- Hanger for Bogie Bolster Suspension
- Hanger Block for Bolster Suspension
- Swinging Link with Nut
- Anchor Link
- Rubber Spring Canterling
- Center Pivot Assembly
- Yaw Damper Bracket
- Roll Link
- Brake Block Hanger

## OUR CLIENTS





## OUR GLOBAL FOOTPRINT



**Lalbaba**  
Engineering Group

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**Haldia Unit**  
Kashberia, Bardhanyaghata,  
Midnapore (E),  
Haldia - 721 657, W.B.

**Uluberia Unit**  
Vill - Palora, Mahisrekha,  
Uluberia,  
Howrah - 711303, W.B.

**Ghusuri Unit**  
40/107, Joy Bibi Road,  
Ghusuri,  
Howrah - 711107, W.B.

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