



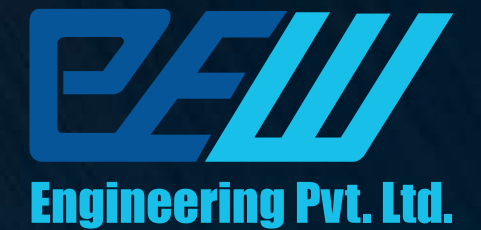
**ENGINEERING PVT. LTD.**

**CITY OFFICE**

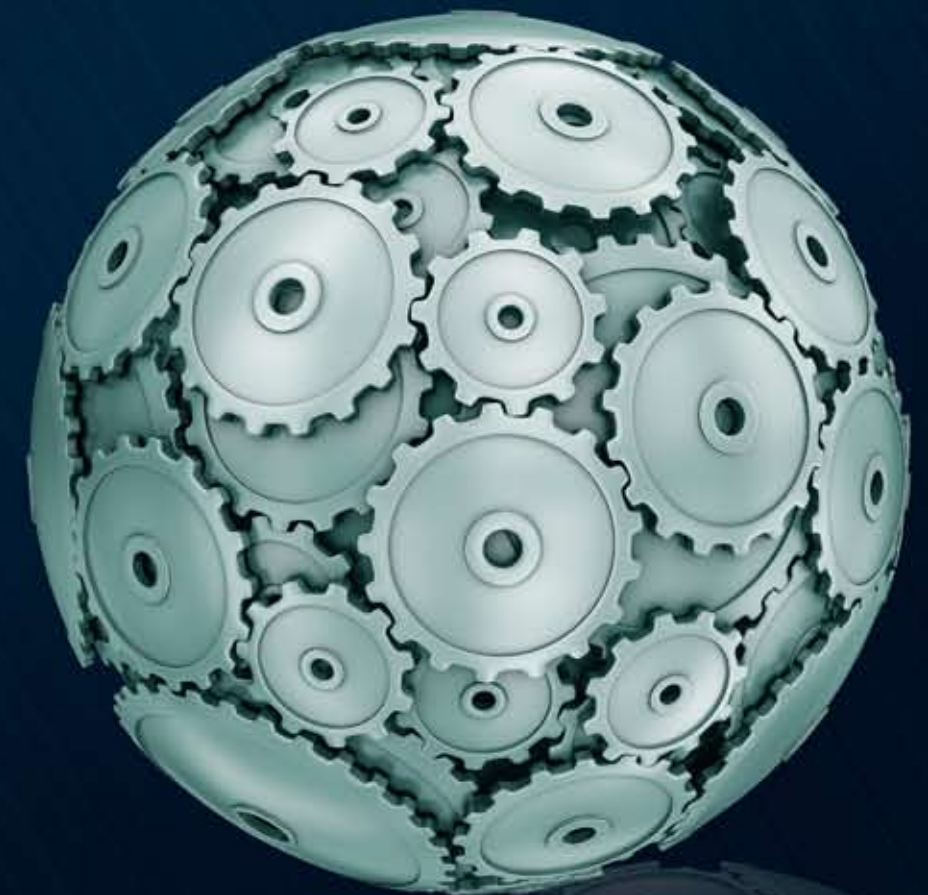
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excellence.  
a world of possibilities.





# ABOUT US

PEW Engineering Pvt. Ltd. was established in the year 1991. The Firm is pioneer in the sector of Iron & Steel based Railway

Wagon / Coach / Engineering Company and is a RDSO approved vendor of Indian Railway Wagon / Coach / OEM Supplier.



Demand of engineering products in the Railway Wagon, Coach Components and basically the outsourcing of products by OEM's have increased many fold in the country, the impact of such engineering products approved by RDSO are phenomenal and the requirements of such critical / quality oriented engineering products have infinity use, the development in the engineering sector is world-wide, the firm has potential to adopt quality driven engineering products and the use of the same is endless, the firm has capability of amaintaining the up gradation in the products.

The Firm is a multi-product engineering Unit of the Group, located in the industrial belt of Howrah, the Heart of industrial belt of West Bengal. The firm is engaged in manufacturing all the critical engineering components used in Indian Railway / Wagon / Coach / OEM.

The firm is committed to diliver upgraded technology based products. services and information that meet or exceeds customers need and expectations, utilizes actual performance data to drive continuous improvement. The vision of the firm is to pursue and consolidate position of leadership through passion, innovation and team work. The firm's mission is to maximize value creation through supply of cost effective products, services and innovative solutions through integration of people, technology, processes and business system. The firm values encompass every fact and discipline of work, the business objectives and operations, as well as collective and individual behaviours of companies employees, are judged according to the values. The firm practices these values to create values for customer as well as employees. The firm is creating an organization that is ever changing, yet with a constant empression; of integrity, of trust of continuity



# QUALITY POLICY

The firm's quality policy is "to manufacture and supply its products of consistent quality and satisfying the customers needs, conforming to applicable regulations and National / International Standards, through continuous improvement of Quality Management System" The firm has been approved by The Quality Management i.e., ISO - 9001:2008. The firm has been rewarded as an approved source for supply of its products to the Indian Railway / Wagon Builders / OEM by "RDSO - Research, Design and Standards Organisation".

The firms maintain its quality on the following ground:

- High Strength to Weight Ratio
- High Flexural Strength
- High Resistance to Environmental Extremes
- High Resistance to Chemicals and Other Corrosive Environments
- High Degree of Design Flexibility
- Outstanding Finish
- Light Weight - With Engineering Technology
- Energy Saving



# CLIENTELE

The Firm is concentrating on the engineering products used basically in Wagon / Coaches / Defence & Locomotive and OEM manufacturing Companies such as

- Stone India Limited
- Escorts Ltd.
- Faively Transport India Ltd.
- Knorr-Bremse India Pvt. Ltd.
- Greysam Rail Equipments Pvt. Ltd.
- Greysam International Pvt. Ltd.
- Modern Industries
- Titagarh Wagons Ltd.
- Hindustan Engineering & Industries
- Texmaco Limited
- Besco Limited
- Burn Standard Company
- Indian Railway (i.e., ICF, RCF, All Zonal Railways)
- Diesel Locomotive Works
- Chittaranjan Locomotive Works
- Jessor & Co.
- Bharat Earth Movers Ltd.
- Container Corporation of India
- NTPC
- Steel Plants
- ABB ABL Limited
- Andrew Yule & Co. Ltd.
- Bharat Wagon & Engineering Co.
- Braithwaite & Co. Ltd.
- Cimmco Birla Ltd.
- GKW Ltd.
- L & T Limited
- Mukand Ltd.
- Otto India Ltd.
- S. A. I. L.
- Hindusthan Development Corporation
- TELCO
- Tata International
- Tiscon

# OUR PRODUCTS

## Stainless Steel Air Reserver

From 9 litre to 200 litre capacity available as per customer requirement. Approved by ICF.



## Empty Load Device

To reload cars that operates on changes of the weight on the load car carries to modify the braking force transmitted to the car wheels so as to avoid wheel locking.



## Guard Emergency Brake Valve

Used for emergency brake applied by guard.



## Quick Coupling

The attachment is for easy fitting and removal of air pressure gauge.



## Retrofitment, pipe & pipe fitting contract

We are specialist in Retrofitment of Bogie Mounted Air Brake System in Coaches filled with under frame mounted Air Brake System BG Coaches & Wagons.

Supply fitment & commissioning of Air Brake pipes & pipe fittings of BOXNHL, BOBRN, BCNCL etc wagons & coaches.



## Single Wagons Testing Rig

For testing of air lines and air connections of wagons and coaches. Easy movable at any place of wagons & coaches.



## Vacuum Brake Cylinder

The brake cylinder generally used in vacuum brake system of the coaches. Capacity range VB 5 to VB 20.



## Brake Cylinder

Brake Cylinder is manufactured in two version i.e., underframe and bogie mounted version Brake Cylinder having various sizes. Brake Cylinders receives pneumatic pressure from Auxiliary Reservoirs after being regulated by distribution valve in case of brake application and develops mechanical brake power by outward movement of piston assembly.



## Brake Cylinder with Integral Slack Adjuster

These are manufactured in various dia and stroke length. This is a brake cylinder with integral slack adjuster for application in Indian Railway Coaching Brake Systems which eliminates use of separate slack adjuster and also reduces rigging and livers and considerable extent.



## 8"×8" Brake Cylinder

8"×8" Brake Cylinder is used for locomotive brake application. It develops forces due to outward movement of piston due to air pressure. The brake cylinder includes a piston and push rod so designed that when it is connected to suitable brake rigging it will provide brake force through the rigging. This can be supplied in various sizes depending on the customers requirements.



## Auxiliary Reservoir

Auxiliary Reservoirs feeds brake cylinder through distribution valve in brake application position. 100 ltrs capacity reservoir is used for freight wagon brake system & 200 capacity reservoir is used for coach brake system.



## Double Acting Air Cylinder with Filter & Valve

Double acting air cylinder is an unique mechanism for operating of door in carriage wagons (BOBRN/NTPC). The bottom discharge system is designed to unload coal or other bulk material at speeds ranging from one and a half to three mile per hour over trestles or into pits. A car loaded with 30 to 60 tons can be unloaded in less than 20 seconds.



## Cut-off Angle Cock

Cuto-off Angle Cocks are provided at the end of brake pipe and feed pipe on each vehicle to maintain flow of air in the air system during the Run of the vehicle. These cocks are closed while isolating the vehicle from the train.



## 100 mm Lubricated Taper Plug Valve

For bottom discharge bogie for tank wagon



## Check Valve

Check valve are used between feed pipe and auxiliary reservoir to permit flow of



## Centrifugal Dirt Collector

Centrifugal Dirt Collector is provided for removal of dirt as well as heavy dust particles prior to the entry of air in the system by centrifuge action.



## Isolating Cock

Ball type isolating cocks are used to provide facility for cutting of air supply to auxiliary reservoir from feed pipe as well as isolation of brake cylinder. Centrifugal Dirt Collector is provided for removal of dirt as well as heavy dust particles prior to the entry of air in the system by centrifuge action.



## Passenger Emergency Alarm Signal Device

The passenger alarm relay valve is a diaphragm operated high capacity vent valve, which magnifies and relays the pneumatics braking signal generated through operation of passenger alarm signal device.



## Air Brake Hose Coupling BP & FP

Air coupling hose are used in between the two adjacent vehicles for continuation of air flow between brake pipes as well as feed pipe liners.

