PUJARA Engineers

Right on Track.....

www.pujaraengineers.com

Campany Profile

We are manufacturers and exporters of Railway Track Tools, Equipment, Track Machine Spare and Small Track Machines.
Engineered track products and solutions for check rail fixing on ballasted or ballast-less track is our forte.

Pujara Engineers new venture ***'Saadhco Texperts LLP'*** offers Low Voltage Solutions and dynamic Active Network Components for Railways, Metros, Data Centers and other critical infrastructures.

Pujara Engineers is a 32 years mature organization, based out of Delhi since inception, delivering railway track products and services successfully throughout the country. We manufacture and supply small track machines, track tools & tackles, track machine spares and import substitutes.

Pujara Engineers has its own manufacturing unit and support of several other state-of-art-manufacturers. Check rail fixing on ballasted and ballast-less track are our key track services along with huge product portfolio.

We have skilled employees along with highly skilled supervising staff. Our Complete workforce has been trained to offer the best technical excellence in conjunction with the company goals. We have successfully executed multiple projects across the length and breadth of the country and developed numerous engineered & bespoke products.

Pujara Engineers has a distinct quality to retain the customers. We believe in fulfilling customers' interest by offering competitive rates, quick response to customers' requirement, compliance with the delivery schedules and the best of quality & workmanship.

Certifications of Company

UDYOG AADHAR MSME

UNITED REGISTRAR OF SYSTEMS URS ISO 9001

NABCB

Our Prestigious Clients

ALSTOM

IT

ADANI

metro

एनटीपीसी NTPC

PANDROL

JINDAL STEEL & POWER

iCON

SIEMENS

KALPA-TARU

KEC

Mumbai Metro

vossloh

Toe Load Measurement Device

Electronic Load Cell Based

- Measurement Capacity: 0-20 KN
- Most precise Toe Load measurement by Stainless steel Load Cell.
- Provide accurate obsevations on bright digital display.
- Equipped with Double battery for longer working hours.
- Battery Charging possible by USB Powerbank as well.
- Peak hold feature.
- Software calibration.
- Future proof for Automation.

Hydraulic Load Cell Based

- Measurement Capacity: 0-20 KN
- Most Durable and long lasting construction for tough railway environment.
- Rugged and Maintenance free load Cell.
- Works without any power Source, displays the load on dial gauge.

Supported Rail Fastening Systems

ERC Mk III Fastenings	: ERC Mk III is Most widely used on Indian Railways network. Our machine is the one of the most successful machines on toe load measurement of ERC Mk III, with nearly no slippage or jaw breakage in measurement.
ERC Mk V Fastenings	: ERC Mk V is generally used in heavy axle load DFCC tracks or metro depots. We have supplied toe load machines to DFCC and metro depot contractors. Machines are performing successfully all over.
Vossloh Fastening Systems	: Vossloh 336 Systems, Vossloh 300 1u System & more.
Pandrol Fastening Systems	: Pujara Engineers is OEM to Pandrol India for their Toe Load Tool.

Domestic Client : **From Banihal to Kochi. i.e. IRCON, DMRC, Mumbai Metro, Hyderabad Metro, Bangalore Metro, Kochi Metro, Vossloh India, Pandrol India and many other railway & metro contractors.**

International Clientele : **We have exported Toe Load machines to Australia, Sri Lanka, Riyadh Metro etc.**

Pullout Test Machine

- **0-20 KN Load Imparting Capacity**
- **Equipped with Stainless steel Load Cell.**
- **Display Equipped with Double battery for longer working hours.**
- **Peak Load hold feature.**

OHE and Stagger Gauge

Track Gauge : 1435mm or 1676
Stagger Measurement : 450 mm on either side
Laser Module : Class 2, Detachable
Construction : Sturdy, Light weight Aluminium

Rail Changer

Load Capacity : 2T Load Lifting Capacity
Size : 3 metres and 5 metres
Rail Clamping/Lift : Chain Pulley block/ Superior Rail Clamps
Design : Heavy and sturdy frame for stability
Support : A-frame Legs with rollers and Body hook for Lifting

Clamping Devices

Point Locking Clamps

Clamping Force : 12 KN
Weight : 7 Kg (approx)
Surface Finish : Red Oxide Primer
Threads : Square Threads

Reverse C Clamps for BLT

Clamping Force : 15 KN
Weight : 7 Kg (approx)
Surface Finish : As per requirement

Special J-Clamps for BLT

Clamping Force : Upto 15 KN
Weight : 5 Kg (approx)
Surface Finish : As per requirement
Compatible Fish Plate : RDSO Drwg. T-4016
Plinth Clearance : 45 mm

Rail Jacks

Rail Jack 15 T

Load Capacity	:	15 MT
Rail Jack Lift	:	300 mm
Mechanism	:	Rachet Type
Weight	:	35kg (Approx)

Rail Jack for BLT

Load Capacity	:	3 MT
Rail Jack Lift	:	125 mm
Drive	:	Screw Type Jack
Weight	:	30kg (Approx)

Rail Changer Type Jack

Load Capacity	:	1 MT
Rail Jack Lift	:	400 mm
Mechanism	:	Screw Type
Weight	:	65kg (Approx)

Inspection Trolleys

Heavy Duty- Motor Trolley

Track Gauge	:	Std. or Broad Gauge
Load Bearing Capacity	:	Upto 700kg
Operating Speed	:	0 to 40 kmph
Gross Weight	:	300kg (approx.)
Engine Type	:	Diesel
Power	:	10 hp

Push Trolley

Track Gauge	:	Std. or Broad Gauge
Load Capacity	:	Upto 400kg
Operating Speed	:	0 to 20 kmph
Gross Weight	:	75kg (approx.)

Light Weight Motor Trolley

Track Gauge	:	Std. or Broad Gauge
Load Capacity	:	Upto 400kg
Operating Speed	:	0 to 20 kmph
Gross Weight	:	100kg (approx.)
Engine Type	:	Petrol, IC Engine.
Power	:	3.5 bhp @ 5000 rpm

AT Welding Toolkit

Weld Trimmer

Small Track Machines : Weld Trimmer, Rail Profile Grinder & Air Blower

Measuring Instruments : Strainght Edge, Gap Gauge, Height gauge etc.

Other inclusions : Heavy Mould Shoes, Crucible Items etc with Exhaustive list of 47 items in total.

Rolling Stock Products

Wheel Stop - Embedded Track

Usage : Parked Trains and Dummy Bogies

Weight : 35 Kg (approx)

Surface Finish : Corrosion Resistant Paint

Clamping : Expansion Type

Wheel Dia : 810 mm or as desired

Wheel Stop (Low height)

Usage : Parked Trains and Dummy Bogies

Weight : 40 Kg (approx)

Surface Finish : Hot Dip Galvanised

Clamping : Friction Type (Non Destructive)

Wheel Dia : Counter matched as per requirement

Friction Shoe/Retarder

Clamping Force : 20 KN

Weight : 20 Kg (approx)

Surface Finish : Hot Dip Galvanized

Friction Lining : Gun Metal

Clamping : Friction Type

Rail Rollers

Rail Roller

Load Capacity : 500 kg
For Rail Type : 60 Kg/ 52kg Rail Profiles
Weight : 18 kg (approx)

Rail Roller - Heighted

Load Capacity : 2 MT
For Rail Type : 60 Kg/ 52kg Rail Profiles
Weight : 48 kg (approx)

Rail Roller - Alignment Unit

Load Capacity : 2 MT
For Rail Type : 60 Kg/ 52kg Rail Profiles
Weight : 65 kg (approx)
Verticle Adustment : 75 mm

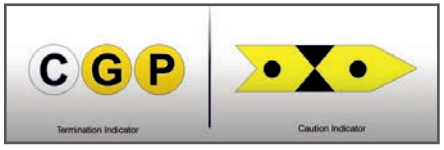
Rail Roller - Bed

Load Capacity (bed) : 15 MT (Collective)
Load Capacity (Roller) : 2 MT
For Rail Type : 60 Kg/ 52kg
Weight (Set of 3) : 295 kg (approx)

Railway Signage

Retro Reflective Sign Boards

Graphics : As per IRPWM
Graphics Sheeting : Retro Reflective (Type IV)
Backsheet Thickness : 2mm
Board Backsheet Metal : Aluminium
Back frame : ISA 25mm x 3mm
Stand Post : T-Iron 75 x 75 x 10



Small Track Machines

Rail Bottom Grinding Machine

Angle Grinder	: Metallic Body Heavy Duty AG 9"
Weight	: 35 Kg (approx)
Horizontal Feed	: 250 mm
Vertical Adjustment	: 100 mm

Rail Profile Grinder

Angle Grinder	: Metallic Body Heavy Duty AG 9"
Motor Power	: 2200 W
Weight	: 34 Kg (approx)
Grinding Time	: 3-4 mins (approx)

Abrasive Disk Cutter

Power	: Honda Engine GX200
Squareness Accuracy	: ± 0.5 mm
Cutting Time	: 3 Mins
Weight	: 34 Kgs (Approx)

Rail Drilling Machine-S&T

Power	: Manually Driven via Gearbox
Drilling Time	: 1-2 Minutes (Average)
Overall Weight	: 22 kg
Drilling Capacity	: Upto 12mm dia Hole

Rail Drilling Machine-P-Way

Engine/Power	: 3HP / Petrol Powered.
Drilling Time	: 3-4 Minutes (Average)
Overall Weight	: 65 kg
Drilling Capacity	: upto 35mm dia hole

BLT Casting Products

Gauge Squaring Fixture (GSF)

Track Gauge : 1435 mm or 1676mm
Weight : 72 kg (approx)
Surface Protection : Std. Enamel Paint
Legs : Harder Metal

Turnout Gauge Squaring Fixture

Track Gauge : 1435 mm or 1676mm
Pipe Denominations : 4 mtr & 6mtr Lengths
Pipe Thickness : 5mm
Surface Protection : Enamel Painted

Dummy Fittings (Dummy Plates, Clamps etc)

Designs : Multiple
Surface Protection : As per requirement

Push Pull Rods

Sizes : 900mm/1200mm/1800mm Lengths
Pipe Thickness : 4mm
End Connectors : As per requirement.
Surface Protection : Std. Enamel Paint

Squeezing / Hydraulic Cylinders

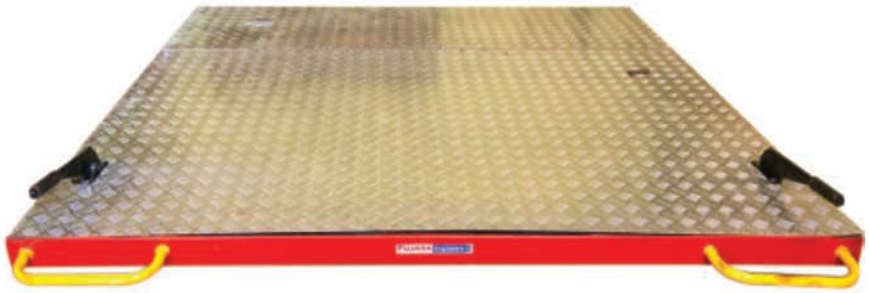
Types : Small Male, Small Female
: Large Male, Large Female
Application : TT Machines

Material Trolleys

Dip Lorry

Track Gauge	:	Standard or Broad Gauge
Load Bearing Capacity	:	Upto 3000 kg (for a pair)
Operating Speed	:	0 to 20 kmph
Gross Weight	:	250kg (approx.)

Material Trolley



Track Gauge	:	1435mm or 1676mm
Load Bearing Capacity	:	Upto 1000kg
Platform Size	:	1500 x 2000 mm
Gross Weight	:	150kg (approx.)
Brakes	:	Lever Operated (Brake Shoe Type)

Monorail Trolley - Heavy Duty

Track Gauge	:	1435mm or 1676mm
Load Bearing Capacity	:	Upto 500kg
Wheel Type	:	Double Flange Type
Gross Weight	:	100kg (approx.)

Very Light Weight Aluminium Trolley

Track Gauge	:	Standard Gauge
Load Bearing Capacity	:	Upto 60kg
Operating Speed	:	0 to 20 kmph
Wheel Type	:	Hard Nylon
Gross Weight	:	20kg (approx.)

SaadhCo

Pujara Engineers take this opportunity to introduce Saadhco Texperts LLP as their new venture in the field of low voltage solutions. Saadhco is a forward-looking organization focused on Design n Build Solutions provider of products, services and customised solutions for Transportation, Critical Infrastructure, Enterprise and Commercial clients offering a dynamic Active Network Components & Low Voltage Solutions suitable for various verticals.

Saadhco serves as a Value Added partner for various original equipment manufacturers, brings the technology solutions of its OEM's to a breadth of markets, including Data Centres, Transportation, Defence, Critical Infrastructure, telecommunications and enterprise clients and propose the solution with latest proven technologies complying with applicable national / international standards i.e. NFPA, TIA and NBC etc.

We at Saadhco, customer focus covers everything from Design & Engineering, products we supply, on time delivery, commissioning and after-sales support for systems/ solutions as mentioned below:

- **Value added partner for Comment range of Active Network Components**
- **Value added partner for Vanderbilt range of Access Control & Security Systems**
- **Value added partner of Public Address Systems (IP & Analogue)**
- **CCtv Surveillance System**
- **Fire Detection and Gas Suppression System**

Fully Modular, Substation-Rated All-Gigabit Layer 2 Switch/ Layer 3 Router, With 1000 Mbps or 10 Gigabit SFP Uplink Ports.

APPLICATIONS

- Electrical substations & switchyards, heavy manufacturing unit, track-side electronic equipment.
- Operating Temperature: **-40° to +85°C**
- Dual user-replaceable redundant power supply.
- Approvals/Certifications
  EMI FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2, EN55011, EN50121-4)

Industrially Hardened 10/100 Mbps 3 Port Intelligent Ethernet Switch with Integrated Contact Closure Server

Integrated contact closure switch/server is available with 4 or 8 channels and supports individual user selectable wet or dry inputs. **Operating Temp: -40°C to +75°C. Approvals: UL, FCC, CE**

APPLICATIONS

- Railway/trackside control and monitoring systems
- Perimeter security, surveillance monitoring, and controlled access to electrical substations and power generating facilities, and other high-value, mission-critical sites
- ITS/Transportation Traffic Signalization & Surveillance/Incident Detection Networks, Integrated IP-Video, VOIP, and Data Transmission Networks and Cellular telephony and wireless backhaul networks

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