

---

# INDEX

---

## *Our Benefits*

---

## *Our Products*

---

### ***Road-Rail Vehicle***

1. Multipurpose with crane & accessories
2. Overhead Electrification & Wiring
  - a. Compact
  - b. Standard
3. Track Inspection Vehicle
4. Concrete Mixer
5. Flash-Butt Welding
6. Shunting
  - a. Diesel Operated
    - i. 300T
    - ii. 600T
    - iii. 2600T
  - b. Battery Operated
7. Mobile Pick & Carry Crane

### ***Road- Bound Vehicle***

1. Carriage wagons & rail trailers
2. Rail laying vehicle
3. Track slab/sleeper laying vehicle
4. Cement Asphalt Mortar (CAM) Mixer Vehicle
5. Rail threader
6. Mini Tamper

---

## *Our Partners & Clients*

---

**20** +

CUSTOMISED  
PRODUCTS

**125** +

OVERALL  
STAFF

**125** +

FINISHED  
PROJECTS

**40** +

INSTITUTIONAL  
CLIENTS



# Multipurpose with Crane & Accessories



---

## *Specifications:*

---

**Model:** 4F4R2GB-32FT

---

**Gross Vehicle Weight:** 19000 kg – 35000 kg

---

**Transmission (rail):** Hydrostatic

---

**Braking (rail):** Disc brakes brakes

---

**Speed (rail):** 15 km/h – 45 km/h  
(forward & reverse)

---

## **Accessories:**

---

- Lifting Platform - Customized
  - Multipurpose crane – Auger drill, mast grabber, lifting hook & work platform
- 



*Application: Material movement,  
Track way maintenance, auger  
drilling, mast erection*

Road Rail Vehicle

# Overhead Electrification & Wiring *(Compact)*



***Application:***  
*Laying &  
Maintenance of  
Catenary, Contact,  
Droppers,  
Conductors &  
Cantilevers*

---

## ***Specifications:***

---

**Model:** 2F2R2GB-18FT

---

**Gross Vehicle Weight:** 19000 kg

---

**Transmission (rail):** Hydrostatic

---

**Braking (rail):** Disc brakes

---

**Speed (rail):** 30 km/h (forward & reverse)

---

## **Accessories:**

---

- Lifting Platform – Customized up to 1000 kg capacity
  - Self-Loading cable drum holder
  - Turn-table
  - Adjustable wire roller
  - Coupling arrangement for towing wagons (30T)
  - Multipurpose crane (up to 18 tm)
-

# Overhead Electrification & Wiring *(Standard)*



**Application:** *Laying & Maintenance of Catenary, Contact, Droppers, Conductors & Cantilevers*

---

## **Specifications:**

---

**Model:** 4F4R2GB-32FT

---

**Gross Vehicle Weight:** 28000 kg

---

**Transmission (rail):** Hydrostatic

---

**Braking (rail):** Disc brakes

---

**Speed (rail):** 60 km/h (forward & reverse)

---

## **Accessories:**

- Lifting Platform – Customized up to 1500 kg capacity
  - Dual Self-Loading cable drum holder
  - Adjustable wire roller
  - Coupling arrangement for towing wagons (100T)
  - Multipurpose crane (up to 32 tm)
-



Road Rail Vehicle

# Track Inspection Vehicle



**Application:**  
Track inspection

---

## Specifications:

---

**Model:** 2F2R2GB-16FT

---

**Gross Vehicle Weight:** 12500 kg

---

**Transmission (rail):** Hydrostatic

---

**Braking (rail):** Disc brakes

---

**Speed (rail):** 45 km/h (forward & reverse)

---

## Features:

---

- 4 cameras
  - Air conditioned cabin
  - Seating for 8 persons
  - Individual monitors for viewing track
-

*Road Rail Vehicle*

# Concrete Mixer



---

## *Specifications:*

---

**Model:** 4F4R2GB-32FT

---

**Gross Vehicle Weight:** 35000 kg

---

**Transmission (rail):** Hydrostatic

---

**Braking (rail):** Disc brakes

---

**Speed (rail):** 45 km/h (forward & reverse)

---

## **Features:**

---

- Up to 7 cubic meter concrete mixer
  - Guiding flutes for pouring
- 

***Application:** Mixing & pouring  
of concrete for mast foundations  
& grouting*

Road Rail Vehicle

# Flash-Butt Welding



---

## *Specifications:*

---

**Model:** 4F4R2GB-32FT

---

**Gross Vehicle Weight:** 35000 kg

---

**Transmission (rail):** Hydrostatic

---

**Braking (rail):** Disc brakes

---

**Speed (rail):** 45 km/h (forward & reverse)

---

## **Accessories:**

---

- Outrigger & stabilizers
  - Additional remote control for rear side operation
- 

***Application:*** *Mixing & pouring of concrete for mast foundations & grouting*

# Shunting *(Diesel Operated)*



**Application:**  
*Towing/Shunting of  
wagons, locos & other  
rail bound vehicles*

---

## **Specifications:**

---

**Model:** 2F2R2FDD-18FT

---

**Capacity:** 300T – 2600T

---

**Gross Vehicle Weight:** Up to 28000 kg +

---

**Transmission (rail):** Friction

---

**Braking (rail):** Disc brakes

---

- 40 km/h (forward & reverse) (unloaded)
  - 20 km/h (forward & reverse) (loaded)
- 

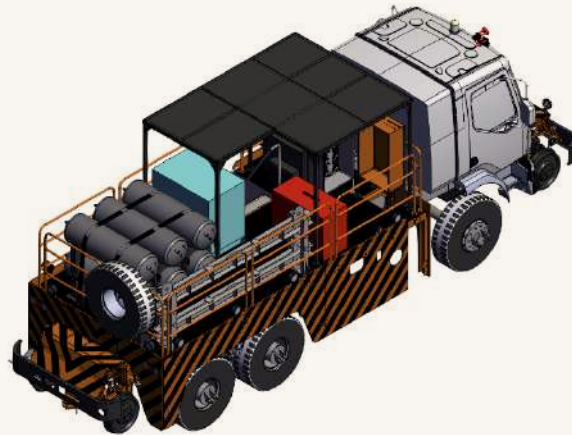
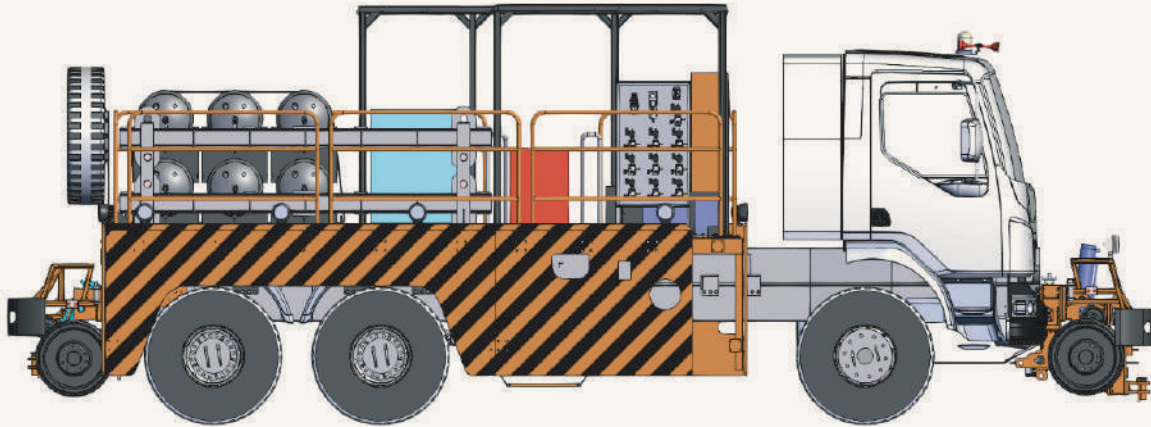
**9 forward and 9 reverse gears**

---

## **Features:**

---

- Air compressor – for railway braking system
  - Electrical control of railway brakes
  - Electrical & pneumatic supply available for wagons
  - Proportional braking of towed wagons
  - Separate rail mode & shunt mode
-



Road Rail Vehicle

# Shunting

(Battery Operated)

---

**Specifications:**

---

**Model:** BA-2F2R

---

**Capacity:** 150T

---

**Gross Vehicle Weight:** Up to 10,000 kg

---

**Transmission (rail):** Friction

---

**Braking (rail):** Electric

---

**Speed (rail):**

---

- 5 km/h (forward & reverse) (unloaded)
  - 0-2 km/h (forward & reverse) (loaded)
- 

**Charging Time:** 8-10 hrs

---

**Battery Type:** Traction batteries

---

**Application:** Laying  
& Maintenance of  
Catenary, Contact,  
Droppers, Conductors  
& Cantilevers

*Road Rail Vehicle*

# Mobile Pick and Carry Crane



---

## *Specifications:*

---

**Model:** 2F2R2DD-MAX

---

**Gross Vehicle Weight:** 40000 kg

---

**Transmission (rail):** Hydrostatic

---

**Braking (rail):** Pneumatic tread brake

---

**Speed (rail):** 15 km/h (forward & reverse)

---

## *Application:*

*Material movement*

*Rail Bound Vehicle*

# Carriage Wagons & Rail Trailers



---

## *Specifications:*

---

### **Maximum Loading Capacity:**

≥100 kN (approx. 10.2 tonnes)

---

### **Traveling Speed:**

≥40 km/h (unloaded) | ≥20 km/h (loaded)

---

**Weight:** Approx. 2.5 tonnes

---

### **Dimensions (L x W):**

Approx. 3,900 mm x 2,400 mm

---

**Gauge:** 1,435 mm

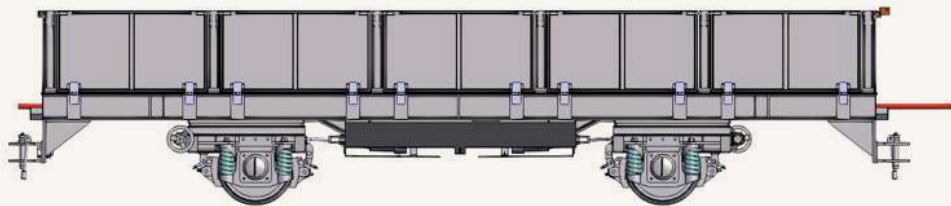
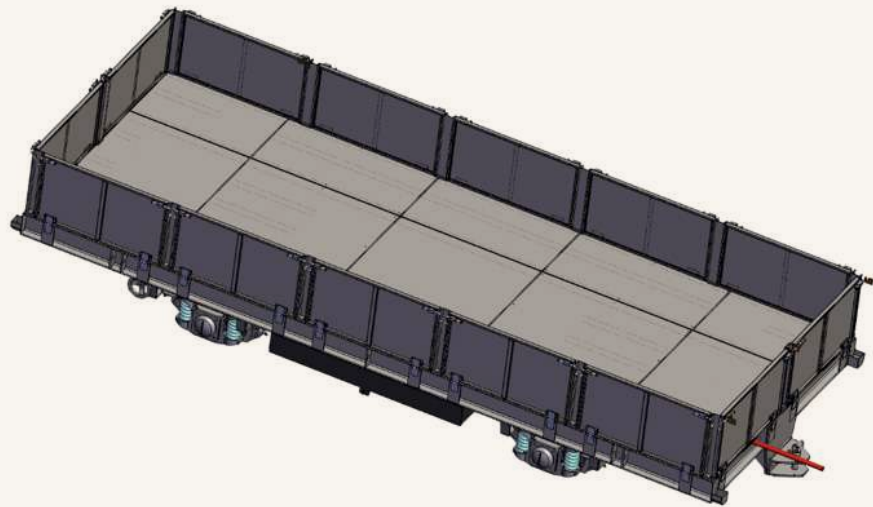
---

**Braking:** Air brake and manual brake units

---

### ***Application:***

*Transporting track  
slabs and rails.*



## *Rail Bound Vehicle*

# Rail Laying Vehicle *(Rail Feeder Car)*



### *Specifications:*

**Rail Feed Speed:** Up to 30 m/min

**Rail Feed Capacity:** 60kg/m

**Rail Draw Speed:** Up to 10 m/min

**Weight:** 8,000 kg

**Dimensions (L x W x H):**  $\leq 7,000$  mm x  $\leq 3,100$  mm x  $\leq 3,600$  mm

**Gauge:** 1,435 mm

**Wheel Diameter:**  $\geq 380$  mm

**Application:** Feeding continuous welded rails (up to 200 m long) in the track laying direction.

# Track Slab/ Sleeper Laying Vehicle



---

## *Specifications:*

---

**Composition:** 1 Tow Car + 5 Freight Cars

---

**Loading Quantity:** 5 slabs per train

---

**Applicable Track-centre Distance:**  
2,960 mm

---

## **Tow Car Specs:**

---

- **Weight:** 9,500 kg
  - **Travel Speed:** Up to 5 km/h
- 

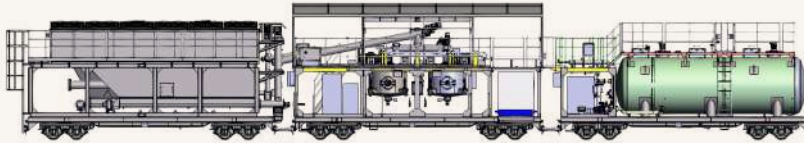
## **Freight Car Specs:**

---

- **Weight:** 4,200 kg
  - **Lifting Capacity:** 2.8 tonnes per chain block (2 blocks per car)
- 

*Application: High-precision transport and laying of track slabs.*

# Cement Asphalt Mortar (CAM) Injection Vehicle



*Application: Production and injection of cement asphalt mortar for cushioning beneath track slabs*

---

## *Specifications:*

---

**Composition:** A 3-car set for liquid, mixing, and fine particle transport

---

### **Liquid Transportation Vehicle:**

---

- **Total Weight:** 38,500 kg
  - **Tank Capacity:** 18.3 m<sup>3</sup> (Emulsion) + 3.7 m<sup>3</sup> (Water)
- 

### **Mixer Vehicle:**

---

- **Total Weight:** 21,530 kg
  - **Mixer Capacity:** 0.6 - 1.2 m<sup>3</sup> per tank (2 tanks total)
  - **Onboard Generator:** 90 KVA
- 

### **Fine Particle Transportation Vehicle:**

---

- **Total Weight:** 48,946 kg
  - **Tank Capacity:** 15.5 m<sup>3</sup> (Sand) + 13.7 m<sup>3</sup> (Cement)
-

*Rail Bound Vehicle*

# Rail Threader



---

## *Specifications:*

---

**Model:** PEW-RT-15-5

---

**Lifting Capacity:** 5,000 kN

---

**Gross Weight:** 2,850 kg

---

**Engine Power:**  
15 HP (Diesel or Gasoline option)

---

**Max Travel Speed:** 5 km/h

---

**Operating Rail Track Gauge:**  
1,200 mm - 3,350 mm (Infinitely variable)

---

***Application:** Lifting, moving, and placing auxiliary railway tracks on the required gauge.*

*Rail Bound Vehicle*

# Mini Tamper



**Application:** *Tamping of sleepers in switches, crossings, and plain tracks; ideal for correcting minor track geometry faults or in construction tracks.*

---

## **Specifications:**

---

**Engine:** Water-cooled diesel engine with genset

---

**Tamping System:** Asynchronous tamping, electronically controlled with adjustable frequency (~35 Hz)

---

**Weight:** Approx 3500 kg

---

## **Key Features:**

---

- Lifting (100 mm) and slewing operation
  - Lightweight and compact design
  - Hydraulically powered tamping units
  - Easy on-off tracking
-

# Mechanized solutions for railway construction & maintenance.



**CUSTOMIZABILITY**  
Specifications customized to client requirements



**INNOVATION**  
Specifications customized to client requirements



**AFFORDABILITY**  
Economics based on your railway project budget



**RELIABILITY**  
Design, simulation, manufacturing and testing in-house



**SERVICE**  
On-site repair & maintenance.  
Instant call & video support.  
Worry free lifetime.



**ON-TIME DELIVERY**  
Best delivery times in the railway equipment industry worldwide!

