



SERVOCONTROLS

An ISO -9001-2015 certified company & AS 9100-Rev D company

*“Engineering Precision
for Indian Railways”*



SERVOCONTROLS

Precision. Performance. Reliability for Indian Railway Track Machines.

About Us

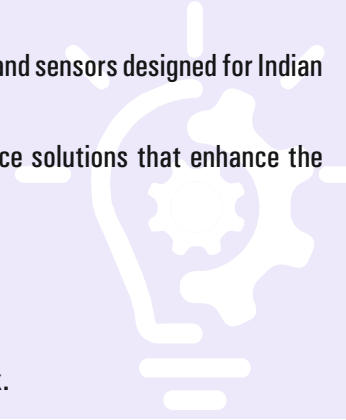
Servovcontrols is a trusted Indian manufacturer of electro-hydraulic control systems, servo valves, simulators, and sensors designed for Indian Railway track machines and automation systems.

With advanced in-house design, manufacturing, and testing facilities, we deliver indigenous, high-performance solutions that enhance the safety, accuracy, and reliability of railway operations.

Our Expertise

We specialize in motion control, hydraulic systems, and sensor integration for heavy-duty railway applications.

Our technologies are used in tamping, lining, leveling, and training simulators across the Indian Railways network.



Product Offered by SERVOCONTROLS for Railway Application

Servo Valves

- Precision electro-hydraulic servo valves for motion and position control
- High response, low hysteresis, and low-leakage designs
- Compatible with Indian Railway tamping and track machines
- Direct replacement and retrofit solutions for imported valves



Hydraulic Control Systems

- Hydraulic power units, manifolds, and proportional control valves
- Pressure, flow, and position control assemblies
- Custom-built systems for tamping and leveling mechanisms



6 DOF Motion Simulators

- Six Degrees of Freedom (6 DOF) motion platforms for railway applications
- Realistic simulation of track vibration, tilt, and movement
- Used for **operator training, equipment testing, and R&D**
- Integrated with hydraulic actuators and electronic control systems



Vibration-Proof Temposonic Sensors

- Linear position sensors designed for harsh railway environments
- **Shock and vibration resistant** for track machine applications
- Accurate feedback for hydraulic cylinder control
- Proven performance under continuous field vibration conditions



SERVOCONTROLS

Precision. Performance. Reliability for Indian Railway Track Machines.

Hydraulic Actuators

- Custom-built linear and rotary hydraulic actuators
- Designed for heavy-duty and high-vibration track machine applications
- Integrated with temposonic sensors for accurate stroke feedback
- High force capacity with robust sealing and corrosion protection
- Tested for endurance and dynamic load conditions



Shock Absorber Testing Unit for Damping Machines

- Specialized servo-hydraulic test rig for evaluating shock absorbers used in railway damping machines
- Simulates real-world load, stroke, and damping force conditions
- Measures force vs. velocity, compression, and rebound damping characteristics
- PLC/PC-based control with automated test cycles and data acquisition
- Ensures compliance with RDSO and OEM specifications
- Available in single- or dual-station configurations



Applications

Our technologies are deployed in:



**Track Lining & Leveling
Machines**



**Ballast Cleaning & Regulating
Machines**



Tamping Machines



Rail Grinding Machines



Simulation & Testing Platforms

SERVOCONTROLS 100% EOU Unit in 12 acres of land near Hattargi Belagavi SEZ



SERVOCONTROLS facility
Industrial Estate, Udyambag, Belagavi



Strong Team of 300+ Servocons



Address for Correspondence :

SERVOCONTROLS

Sr. No. 683, Industrial Estate, Udyambag, Belagavi-590008, Karnataka, INDIA.

Tel : 91-831-240750/2/3, 2481734, Fax : 91-831-2484496

✉ sales@servocontrolsindia.com

🌐 www.servocontrolsindia.com

Why Servovcontrols

- 100% indigenous design and manufacturing
- Proven reliability in Indian Railway environments
- Complete motion control ecosystem — servo, actuator, sensor & control
- Expertise in retrofits and modernization projects
- Prompt technical support and spares availability

Quality & Standards

Servovcontrols adheres to the highest industry standards with:

- Dynamic & endurance testing for actuators and valves
- Precision calibration and flow testing
- Compliance with RDSO / Indian Railway specifications
- ISO-based manufacturing and inspection procedures

Clients & Partners

- Indian Railways
- RDSO-approved vendors
- OEMs in track maintenance & automation

Technical Alliance Partner

