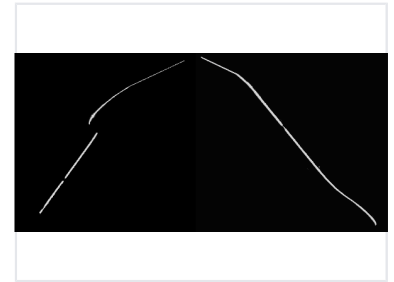
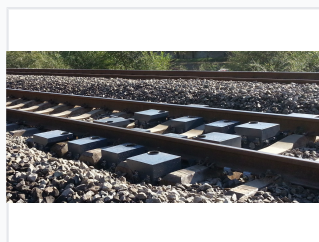
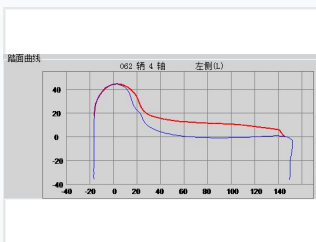


# Railway Wheel Profile Monitoring System

This system monitors railway wheel profile parameters using lasers and cameras as trains pass. It detects wheel defects and wear in real-time for proactive maintenance.



## ADDITIONAL IMAGES



## Overview

**TW16 Wheel Profile Monitoring System (WPMS)**

**Key Features:**

- Real-time monitoring of wheel profile parameters
- Automated data collection and analysis
- Integration with existing railway infrastructure
- High accuracy and reliability
- Easy installation and maintenance
- Comprehensive reporting and data storage
- Scalable system for multiple tracks
- Robust and durable design
- Advanced laser and camera technology
- Real-time data processing and analysis
- Integration with existing railway infrastructure
- High accuracy and reliability
- Easy installation and maintenance
- Comprehensive reporting and data storage
- Scalable system for multiple tracks
- Robust and durable design

Coordinated working of rail-bound lasers and cameras capturing wheel profiles.

## Real-time Wheel Profile Monitoring

The TW16 Wheel Profile Monitoring System (WPMS) provides wayside, free-attendance monitoring of wheel profile parameters for trains passing at line speed. By utilizing coordinated rail-bound laser and camera technology, the system accurately captures vital wheel data to determine wear patterns and identify anomalies. This enables proactive, condition-based maintenance, helping to enhance railway operational safety, optimize maintenance schedules, and reduce overall costs for mixed-traffic environments.

