

PRIME INSTRUMENTS

112/113/114, Krishna Complex, Opp. Madhurum Cinema,
Nr. Sandesh Press, Gheekanta, Ahmedabad - 380001,
Gujarat, India. **Phone** : +91-79-25632170, 25626862

Mobile : +91 98250 64424, 98250 21580

E-mail : primeins@rocketmail.com, primeins@hotmail.com

SINCE : 1998

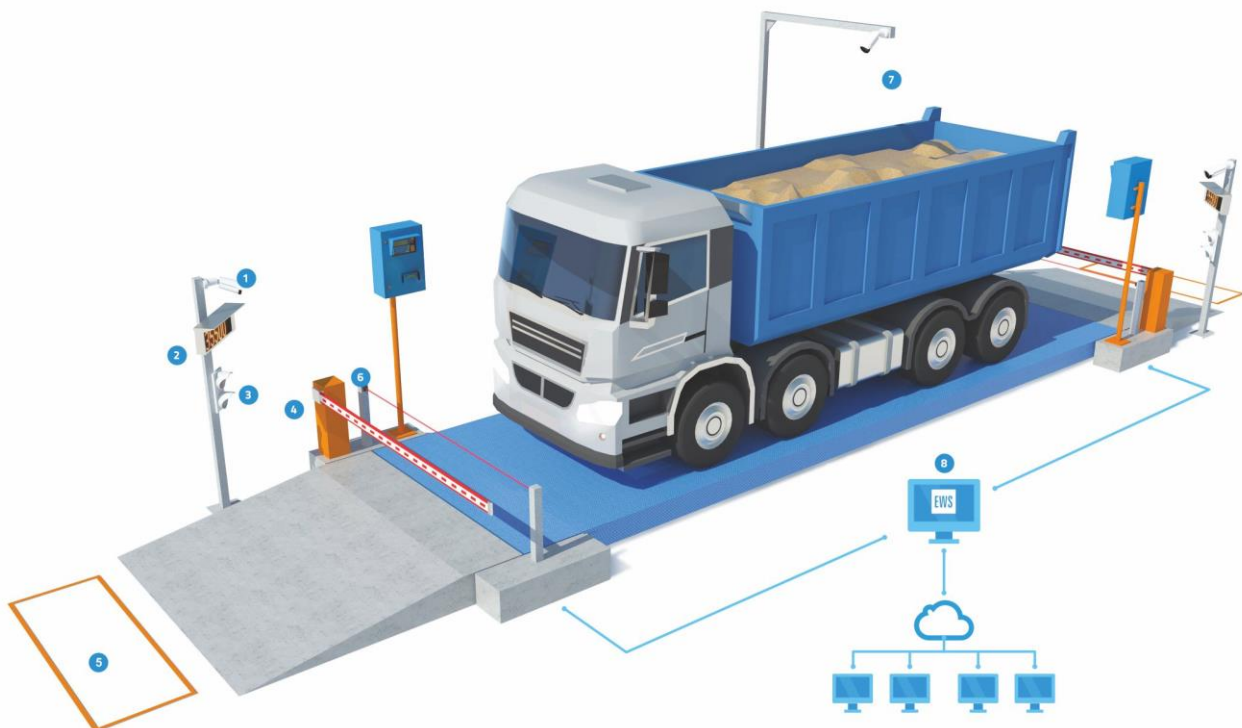


AN ISO 9001-2000 Certified

TRUCK SCALE

Technical Specification

SEMI AUTOMATIC TRUCK WEIGHING SYSTEM



ISO Certified

www.primescale.in

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The Semi Automatic Weighbridge System is a stand alone system which allows 24 hours 7 days a week weighing operations. Due to the system's easy interface it is totally operated by the truck driver. Moreover **Prime - Weigh** custom designs the system to suit the specific requirements of your operations.

PRIME INSTRUMENTS - Provide Two Way Weighment System on weighbridge means vehicle enter both side for weighment also we can pre fix weighbridge for weighment if they try another weighbridge system cannot allow to weighment.



The controller integrates the weighing indicators with traffic lights, large display, buzzers (Sound Alert System) , camera, vehicle positioning sensors, etc..... to provide an automated and hassle free system. Semi Automatic weighment solutions is flexible and allows customization with configurable work flow and process integration.

SYSTEM WORKING FOR:

- Quarries
- Mining Industry
- Steel Industry
- Cement Industry etc.
- Sugar Industry
- Landfills
- Waste Recycling
- Agriculture
- Asphalt plants

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SYSTEM SCOPE OF SUPPLY WITH DESCRIPTION:

As complete information is scanned through PLC Controller & ANPR Camera Software which reduces the operation cycle and prevents the manual entry errors.

The system makes the weighment process highly secure by allowing integration with ANPR Based IP cameras, and traffic lights for capturing images during the weighment, managing vehicle traffic, vehicle queue management and carrying out safe operation. The system further integrates with ERP systems like SAP and Tally to remove errors due to manual entries.

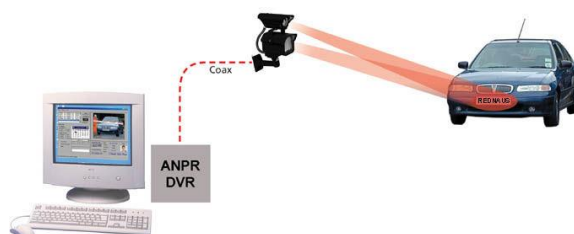
- Vehicle Positioning IR Sensor for Vehicle Alignment.
- CCTV Camera & Photo Capturing of Number Plate Reorganization
- Auto E-Mail Data Transfer Facility by E-Mail (Ticket with Truck Photo's)
- Instruction announce with loud speaker
- Integrate with SAP, Oracle, ERP
- User Password Based Login ID
- PLC Based Controller (Built In Indicator inside the Controller).
- Traffic Light for safe operations to indicate the status and data to truck Driver
- Buzzer for entry notification (Sound Alert System)
- Ethernet Port (LAN port) for server connectivity.
- Photo sensor based system
- Camera Mounting Pole

BENEFITS:

- System Provide Tow Way/Both Site (In/Exit) Weighment Process Facility.
- Drive can confirm weighment after weight checking on display.
- Stop thieving, stop manual mistake by weighbridge operator.
- Increase weighment speed and make more vehicle Weighment.
- Integrate more than one weighbridge with system.
- Cut Smart operator / Expert Person costs with a Semi Automatic Vehicle weighing Solution.
- Automatic identification of driver, truck, trailer

AUTOMATIC NUMBER PLATE RECOGNITION SYSTEM:

If you wish to identify the vehicle automatically, either to enter its registration number into the weighing record or to compare it with that held on the system against the RF Tag or Data key Rotec can offer a fully automatic number plate recognition system. A camera (ANPR) is trained on the vehicle and by using optical character recognition is able to feed the registration number into the computer to be logged against the record being written.



If the RF tag or data key has a vehicle or vehicles associated with it and the number read by this system is not one of those, then the computer can take appropriate action, such as logging a warning or alerting Security.

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VEHICLE POSITIONING SENSOR:

This automation system is use full for vehicle position on weighbridge. system integrate with PLC Based Intelligent terminal, that terminal manage photo censor and find out vehicle position and make further process for weighing.

Key Software Features:-

- Ensure Vehicle Proper Position.
- Not require managing vehicle position, its auto manage by system.
- System auto control weighbridge traffic.
- Restrict unauthorized vehicle weight on weighbridge.

ADVANTAGES

- Removes the need for Weighbridge operators
- Secure and reliable weighing 24 x 7
- Cut operating costs with a Fully Automated Vehicle Weighing Solution
- Fast throughput for busy weighbridges
- Fully integratable solution into you Back Office Systems
- Automatic identification of driver, truck, trailer



AUTO E-MAIL DATA TRANSFER FACILITY WITH PHOTO CAPTURING:

System provides solution for Vehicle Photo Capture at Weighment time and Save on HDD. also System Provide Photo Viewer Facility, so we can check later one that photo, also System Store photo with this detail like - Ticket No / Date / Time / Entry Type (First/Second). So we easily find out vehicle photo for particular Ticket No.

We Integrate Our Weighbridge CCTV Software with Bellow Accessories:

- IP Based DVR with Up to 4 Camera
- Analog Camera
- IP Camera with good snap resolution.

System provide best solution as per customer require with weighbridge like,

- CTV Camera Integration,
- RFID Tag integration,
- Barrier Integration
- Sound Instruction integration
- Barcode Label Integration
- Integrate with other software like SAP, Oracle, ERP.

PRIME INSTRUMENTS					
Address - Line 1		Print Date Time : 13.03.2015 18:15			
Address - Line 2					
Ticket No :	123456				
Party Name :	EMS India				
Vehicle No :	GJ 18 DL 1234				
Item Name :	Truck Scale				
Transporter :	ABC Roadways				
Supplier Name :	Expert Weighing Solution	39616 Kg	13/03/2015	Time :	18:10:24
Gross Weight :		10295 Kg	13/03/2015	Time :	18:15:37
Tare Weight :		29445 Kg			
Net Weight :					

First Weighment		Second Weighment	
			
Camera : 01	Camera : 01	Camera : 02	Camera : 02

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Address : Line 1		Address : Line 2	
Mobile No : 1		COPY No : 01	
RST No	: 01	VEHICLE NO	: GJ-1-HQ-0224
SUPPLIER	: PRIME WEIGHBRIDGE	MATERIAL	: Truck Scale
ADDRESS	: Ahmedabad	ROYALTY NO	: 5525
GROSS	: 30000 Kg	DATE	: 05/07/2017
TARE	: 10000 Kg	TIME	: 20 : 55
NET	: 20000 Kg	DATE	: 05/07/2017
		TIME	: 21 : 30
CHARGE	: Rs. 200.00	OPERATOR SIGN. : _____	
Manufacturer : PRIME INSTRUMENTS, AHMEDABAD			

TRAFFIC LIGHTS:

We provide Best Quality LED Traffic light With Green Color, Red Color. in 12 Volt DC, 24 volt DC, 230 AC.... With Various Dia Like 100 mm, 200 mm, 300 mm.....

Provide Customize LED Traffic lights With Customize Light with Various color.

Description:-

- Size 100 mm / 200 mm/ 300 mm Dia
- 230v AC/12/24 VDC
- Power Consumption 10 W
- Total No Of LED 177-200 Nos
- Housing Poly Carbondale
- Protection IP65



FEATURES AND THE PROCESS:

- Once the Driver positions the vehicle on the platform, Driver is guided by Traffic Light / an announcements when the weighbridge stabilizes and Traffic Light will transfer from RED Light to Orange for confirmation of Weighment Process completion is made by Operator / Truck Driver.
- Appropriate announcements are made by the System to guide the Driver at various Stages, including the announcement of weight both at Gross and Tare.
- Traffic Lights, on both the sides of the platform, are used along with the announcement to regulate the vehicle movement.
- If operator does not required than Push Button option by driver for the Weighment capture and final printout at the time of 2nd weighment or at the gate when the vehicle is leaving the factory premises. As soon as the printout is issued. (When the switch is pressed, weight is recorded and the Driver is advised to leave the platform)