# Weighbridge Catalogue



#### Introduction

A weighbridge is a large-scale weighing system used to measure the weight of vehicles and their loads. It is widely used in industries such as logistics, construction, agriculture, and waste management to ensure compliance with load regulations and optimize transportation efficiency.

## **Types of Weighbridges**

## 1. Concrete Weighbridge

- Construction: Made with a reinforced concrete deck.
- Advantages:
- Long lifespan (20-30 years).
- Highly durable and resistant to environmental conditions.
- Requires minimal maintenance.
  - Best for: Permanent installations at high-traffic industrial sites.

## 2. Metal Weighbridge

- Construction: Typically made from steel or a combination of steel and aluminum.
- Advantages:
- Lightweight and easy to install.
- Can be relocated if necessary.
- Suitable for high-load capacities.
  - Best for: Temporary sites or businesses that may need to move the weighbridge.

#### 3. Modular Weighbridge

- Construction: Composed of multiple prefabricated modules that can be assembled on-site.
- Advantages:
- Flexible and customizable in size and capacity.
- Can be expanded or relocated easily.
- Faster installation compared to traditional weighbridges.
  - Best for: Businesses needing scalable solutions or weighbridges in remote locations.

# **Key Features of Modern Weighbridges**

- Unmanned Weighing: Automated systems with RFID, ANPR (Automatic Number Plate Recognition), and weighbridge software integration.
  - Load Cell Technology: High-precision sensors for accurate weight measurement.
  - Digital Connectivity: Cloud-based data management and real-time monitoring.
  - Compliance & Safety: Meets industry standards for weight regulations and overload prevention.