

Unmanned WEIGHING

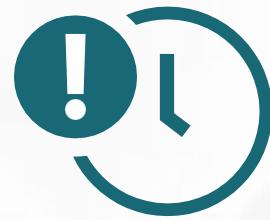
What is unmanned weighing?

Weighing automation is the future of weighing operations. Industries across the globe require weighing to measure materials across all the phases of the supply chain, which makes human reliance and dependency very dangerous. Digi Weigh Software Solutions is here to solve all the problems created by the traditional weighment systems.



Man power costs

Sites that run 24/7 operations require multiple weighbridge operators, the wages of the operators and the supervisors are a significant cost to the organization



Delay in operations

Manpower-dependent operations always experience delays due to unforeseen circumstances.



Errors in data capturing

intentional or unintentional errors in the data capturing can cause significant discrepancies and issues moving ahead in the supply chain operations.



Difficulty in supervision and reporting

as all the data is manually captured, there are high chances of errors, which are difficult to fix at a later stage, and manually prepared reports are time consuming and inaccurate due to the inaccurate data.

Why should you invest in upgrading your weighbridge?

Advantages of Automation

Aligns with
your Industry
4.0 objectives

Simplified
automated
reporting

Eliminate all
manpower-
associated costs

Integrate with
ORACLE
SAP **Tally**

Reduce human
dependency

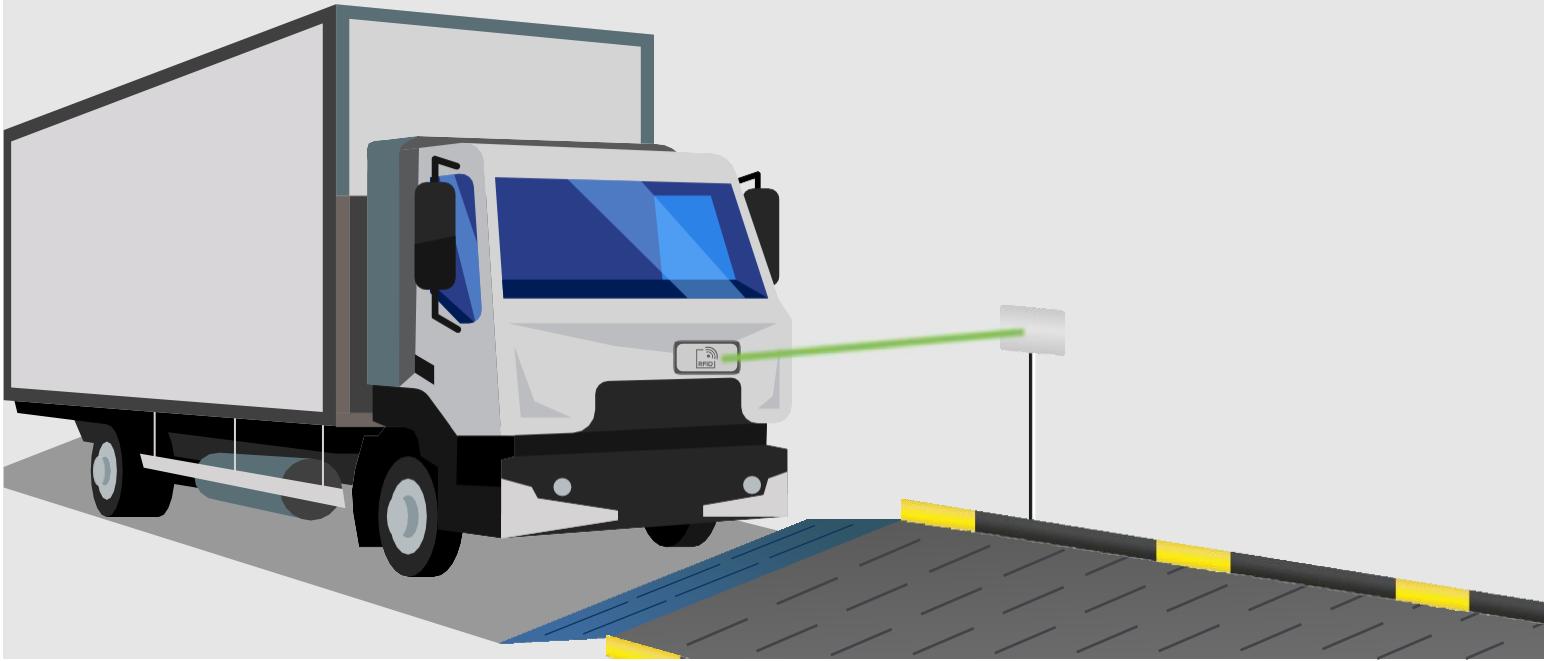
Smoothen and
faster
operations

Safer and more
secure weighment
processes

How does an unmanned system works?

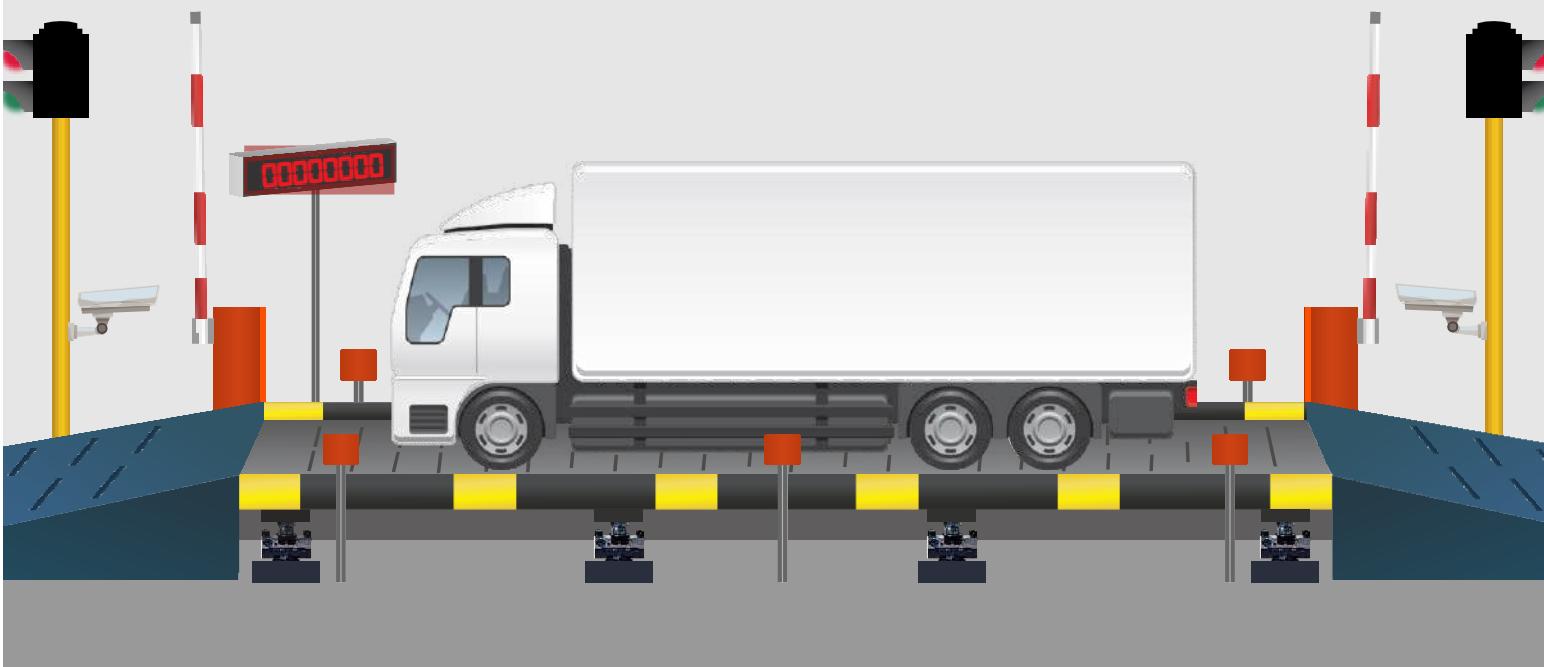
Phase1: Authorization

This safe and fail-safe method to ensure that only authorized trucks are entering the premises. Only after the data is captured from the RFID or the ANPR system, does the boom barrier open, and the truck enters the weighbridge.



Phase2: Positioning

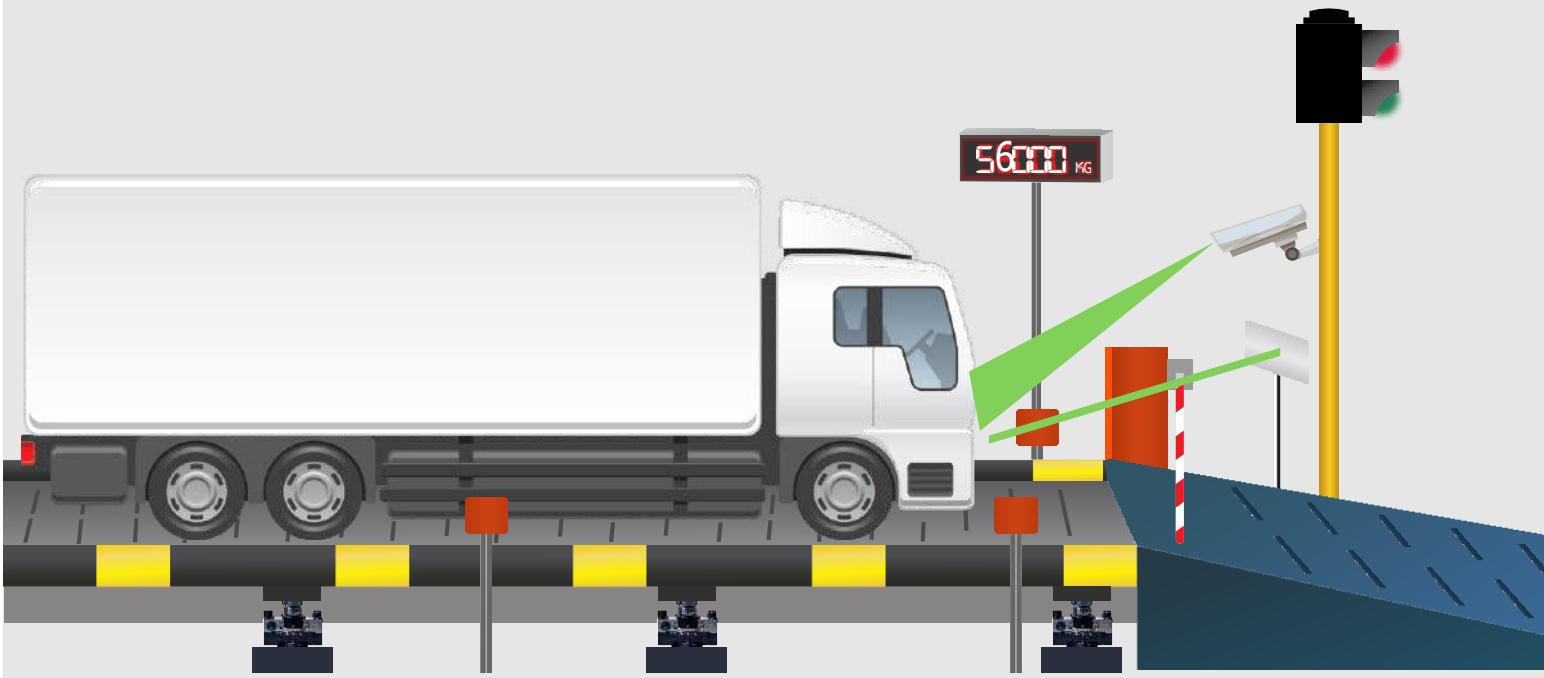
Mis positioned trucks do not give accurate weighment, this would cause the wrong data to be stored, and affect the rest of the supply chain processes. Our Unmanned System utilized position sensors to ensure that every single truck weighment is accurate.



How does an unmanned system works?

Phase3: Weighment

CCTV/IP cameras are present to enhance security and safety. The system automatically captures various images of the truck, and stores it along with the weighment data. After all the data is stored on the system, the barriers open and the truck is allowed to leave.

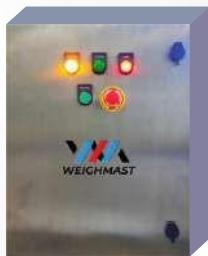


Phase4: Transaction completion

After the gross/tare weights are measured, automated text alerts/email alerts are shared to all relevant personnel. All the information, including the photos of the truck , are ready to view on all platforms ,this includes the software, the cloud server, or the ERP platform.



Hardware Components



Control panel



RFID Reader/
ANPR Camera



IP Camera



Position sensors



Barricades



Traffic lights



Jumbo display



Announcement
system

Software Components

Digi Weigh –Weighbridge data management software

This enterprise-focused weighbridge management software is suitable for any organization which requires accuracy, visibility, and traceability in its operations. Digi Weigh allows companies to automate their entire weighbridge operation to achieve the same.

The screenshot displays the Digi Weigh software interface. At the top, there is a header with the WEIGHMASTER logo, company name, address, and email. It also includes navigation icons for Transaction, Data Setup, Reports, Settings, Admin User, and Logout, along with support ticket and contact information. Below the header is a search bar with fields for 'Load by Ticket/Vehicle No.' and 'New Job - H'. The main content area is titled 'Transaction Report' and contains several filter and search options. These include 'Transaction Date' (From: 12/21/2021 12:00:00 AM, To: 1/5/2022 11:59:59 PM), 'Ticket No.' (From: _____, To: _____), and 'Master Field' (Account, Product, Vehicle). To the right of these filters are 'Transaction Mode / Status / Type' dropdowns and a 'Custom Fields' section with fields for 'Gunny', 'Bag', 'Customer name', and eight other fields labeled 'Field4' through 'Field8', each with a dropdown menu. At the bottom of the report area are buttons for 'Transaction Summary' (selected) and 'Transaction Detail', and a 'Filter' button.

Automation software

This is a state-of-the-art automation software devised by our team, to ensure that all the various hardware components work seamlessly with one another. The complete automation system allows for every individual hardware to work in tandem and provide a complete weighing experience without any human intervention.

Cloud server integration(Optional)

Digi Weigh on Cloud is the perfect solution for anyone operating remotely. If you are managing multiple weighbridges across various sites, this is the easiest way to consolidate all data on a single platform and view it from any browser. Get real-time data updates on your mobile, tablet, or PC.

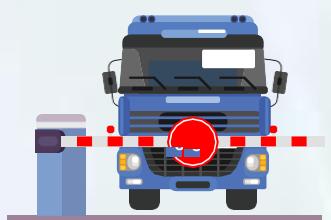


ERP Integration

Digi Weigh ERP integration allows for simplified workflow management, whilst eliminating the risk of inaccurate data entries. Integrate all your weighbridge operations with any ERP system, including Tally. Implement mart contract management with the help of our ERP integration, and take your organization towards Industry 4.0.

Gate management integration

Large organizations need to ensure security at their premises, integrate Digi Weigh with your gate management system to better manage, control, and monitor all of your vehicle gate logs. Contact us to know more about our complete Gate management and Warehouse management system.





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