

Segritech : Weight Grader for Fruits

Product Name: Segritech Weight Grading Machine

Model: SWG-200

Version: V1.0

Built By: Segritech (A brand of Tikkly Agro Solution Pvt. Ltd.)

1. Product Overview

The Segritech Fruit Weight Grading Machine is a compact and efficient solution designed for small to medium-scale fruit growers. Equipped with a precise load-cell-based grading mechanism, the machine ensures accurate weight-based classification of fruits, enabling better pricing, sorting, and packaging for growers and aggregators. Built with a combination of stainless steel, mild steel, and food-grade components, it offers durability, hygiene, and consistent performance in both farm and mandi environments.

2. The Product Visuals:



2. Technical Specifications

Specification	Details
Capacity	2 tons/hour
Conveyor	Cup-Based Conveyror
Grading Output	6-10 Grades
Material of Construction	Stainless Steel (SS), Mild Steel (MS), PU,etc.
Machine Dimensions	12 ft (L) x 3 ft (W) x 4 ft (H)
Functionality	1. Weight-Based Grading
Power Requirement	1.5 kW/HP, Single Phase/3 Phase
Voltage	[220V/440V, 50Hz]
Drive Mechanism	Motorized rollers with adjustable RPM
Feeding Mechanism	V belt conveyor -fed.
Mobility	Portable with loading vehicle.
Noise Level	< 70 dB
Price	₹5,50,000 + GST

3. Features and Benefits

-Accurate Weight Grading: Advanced load-cell technology enables precise separation of fruits by weight, ensuring consistency across batches.

-Robust Construction: Engineered with corrosion-resistant stainless steel and a sturdy mild steel framework for long-term durability.

-Food-Grade Contact Surfaces: All fruit-contact components are made from food-safe materials, ensuring hygiene and gentle handling to prevent bruising or damage.

- Dual Functionality: Optional integrated cleaning and drying module helps remove dirt and surface moisture before grading.
- Compact & Portable: Space-efficient design suitable for small farms, packhouses, or mandis; easy to transport and relocate.
- Customizable Output Chutes: Flexible collection trays or conveyors configured as per desired grading categories.

4. Use Cases

- Farm-level collection centers
- Small and medium Farmers or FPOs (Farmer Producer Organizations)
- Fruit packhouses and mandi sorting operations
- Cold storage preprocessing units
- Exporters/Retailers

5. Compliance and Safety

- Built with food-grade materials (FDA-compliant PU)
- Safety guards over moving parts for operator protection
- Easy-clean design with minimal maintenance needs

6. Maintenance and Support

- Annual Maintenance Contract (AMC) available
- On-site servicing within 72 hours (Across India)
- First year Warranty free, i.e. no charges.

7. Why Segritech?


- Made in India AI Grading Machine for fruits and vegetables: Purpose-built for Indian farm and mandi realities.
- Built for Bharat: Designed in India, for the Indian agri economy—robust, serviceable, and portable.
- Trusted by Leaders: Developed under guidance from the IIT Bombay & IIIT-Hyderabad ecosystem, TiE Global network, and field validation with leading agri players.
- Committed to Excellence: Cutting edge technology provider, prompt support, and continuous R&D for evolving crop needs.


8. Contact Information

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