

## Segritech Orange/Kinnow Grading Machine

**Model: SOGM-200**

**Version: V1.0**

**Release Date: [Update with actual date]**

**Developed By: Segritech (Brand of Tikkly Agro Solution Pvt. Ltd.)**

### 1. Product Overview

The Segritech Orange Grading Machine is a compact, high-precision solution designed for small to mid-sized citrus(Orange, Kinnow, Mosambi) producers. Using advanced roller-based grading, it enables fast and accurate sorting of oranges by size and surface quality, improving packaging efficiency and market value. Constructed with stainless steel, mild steel, and food-grade nylon, it is built for durability and hygiene in farm, mandi, and packhouse environments.

### 2. The Product Visuals:



## 2. Technical Specifications

| Specification            | Details                                       |
|--------------------------|---|
| Capacity                 | 5-8 tons/hr                                   |
| Grading Method           | Roller-Based Size Grading                     |
| Grading Output           | 6 Grades                                      |
| Material of Construction | Stainless Steel (SS), Mild Steel (MS), Nylon  |
| Machine Dimensions       | 12 ft (L) x 4 ft (W) x 4 ft (H)               |
| Functionality            | 1. Cleaning & Drying<br>2. Size-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        | Roller-fed.                                   |
| Mobility                 | Portable with wheels.                         |
| Noise Level              | < 70 dB                                       |
| Price                    | ₹4,50,000 + GST                               |

## 3. Features and Benefits

-Accurate Grading: Roller-based system allows consistent and precise separation of apples by size.

-Sturdy Construction: Built from corrosion-resistant stainless steel and durable mild steel framework.

-Food-Grade Contact Parts: SS rollers ensure smooth handling and compliance with food safety standards.

- Compact Design: Fits within limited farm or warehouse spaces; easily relocatable.
- Customizable Output Chutes: Configurable collection trays for each grade.

#### **4. Use Cases**

- Farm-level orange, kinnow 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 plastics)
- 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 (In India)
- First year Warranty free, i.e. no charges.

## 7. Why Segritech?


- Made in India AI Grading Machine for Pomegranate: 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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