

# **Segritech: Apple Size Grader**

**Product Name: Segritech Apple Size Grading Machine** 

Model: SAGM-200 Version: V1.0

Release Date: 01/04/2025

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

# 1. Product Overview

The Segritech Apple Size Grading Machine is a compact and efficient agricultural machine designed for small to medium-scale apple producers. With a robust roller-based grading mechanism, this model provides high accuracy in size grading, ensuring better pricing and packaging for apple growers and aggregators. Built using a mix of stainless steel, mild steel, and food-grade nylon, it ensures durability, hygiene, and operational reliability in farm and mandi environments.

# 2. The Product Visuals:





# 2. Technical Specifications

Specification	Details
Capacity	200-250 box per day
Grading Method	Roller-Based Size Grading
Grading Output	6 Grades
Material of Construction	Stainless Steel (SS), Mild Steel (MS), Nylon
Machine Dimensions	10 ft (L) x 4 ft (W) x 4 ft (H)
Functionality	Cleaning & Drying 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

# 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: Nylon rollers ensure gentle handling and compliance with food safety standards.



- -Dual Function: Integrated cleaning & drying section for removing dirt and surface residues before grading.
- -Compact Design: Fits within limited farm or warehouse spaces; easily relocatable.
- -Customizable Output Chutes: Configurable collection trays for each grade.

#### 4. Use Cases

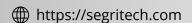
- -Farm-level apple collection centers
- -Small and medium Farmers or FPOs (Farmer Producer Organizations)
- -Fruit packhouses and mandi sorting operations
- -Cold storage preprocessing units
- -Exporters/Retailers

# 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 Shimla, Himachal Pradesh)
- -First year Warranty free, i.e. no charges.







# 7. Why Segritech?

- Made in India Al 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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