



SMART Ez-Grader

TECHNOLOGY DESCRIPTION

The SMART Ez-Grader machine is designed to grade the weight and length of fruit. It provides high accurate solution to assist farmers to grade freshly harvested fruits.

TECHNOLOGY FEATURES

The machine can be programmed and used for many types of fruits or vegetables. Recorded data such as weight value, grade level (small, medium or large), length of fruit, date and time and total fruits can be saved to a SD card. This machine is suitable for small and medium industries specially the pineapple industry. Farmers can use proper weighing system to evaluate various types of pineapple at both indoor and outdoor condition.

ADVANTAGES

- Simple fruits/vegetable handling during measurement
- No maintenance required
- Saves time, energy and labor cost
- Portable machines and user friendly

INDUSTRY OVERVIEW

Main prospect: Agriculture Industry

The better performance of agriculture crops, such as vegetables, fruits and paddy as well as livestock, which are mainly cultivated by SMEs expanded the value-added growth at a slightly higher rate of 3% compared to the overall growth in the agriculture sector of 2.1%. In total there are about 161 agricultural-based SMEs in Malaysia that might be the potential customers for the product with an additional of 5 SMEs in farming business, and 16 SMEs in the food packaging business. The current market price for a normal fruit weighing machine is between US\$20-US\$30 per product depending on the diversity of its usage. However, it is rare to find one with the SD card embedded in it.



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