



SMART ORGANIC BIN

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CHAPTER 1

1.0 PRODUCT DESCRIPTION

1.1 Introduction

The team is developing a Smart Organic Bin, that has been improved and revised to replace the existing product. The product is invented to recycle the food waste into ready-to-use fertilizer that can be used for gardening or landscaping. It is to overcome the problem of excessive food waste in household. It is a new product to replace existing product with a functional enhancement which is additional to the automatic odor control feature.

1.2 Purpose of Development

The purpose of development is to:

- To overcome the problem of excessive food waste in household
- Save space and prevent nasty smell in the kitchen
- Makes ready-to-use fertilizer within 24 hours

1.3 Product Concept

The product concept is:

- To recycles food waste into organic fertilizer
- Automatic Bio Bloom Box to filter air for odor control

1.4 Application

The application of the product is:

- User can use the Smart Organic Bin to recycles all types of food waste
- The Bio Bloom Box will operate automatically to control odor

1.4.1 Functions

The function of Smart Organic Bin is to recycles food waste into organic fertilizer but it is different from any smart bin because our product uses automatic Bio Bloom Box.

- Bio Bloom Box - Design to filter air for odour control

1.5 Unique Features

In market nowadays, had exist the smart bin but it will produce nasty smell. Therefore, our Smart Organic Bin is equipped with automatic Bio Bloom Box that is design to filter air for odour control. The uniqueness of the product for availability in Malaysia market consists of:

- Automatic odor control feature to prevent nasty smell in the kitchen

1.5.1 Picture Description

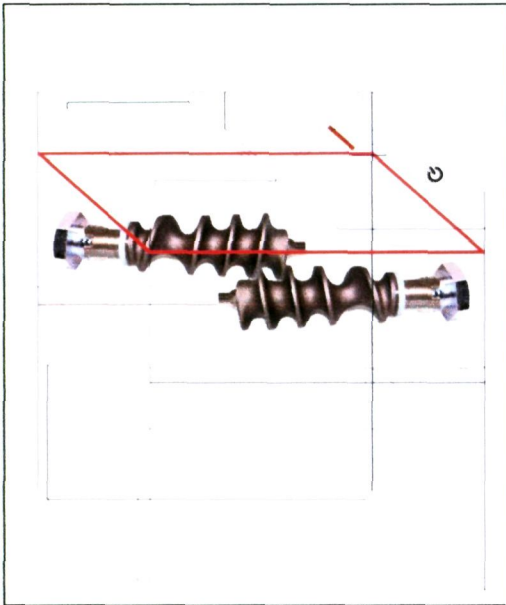


Figure 1.0: Front View of Smart Organic Bin

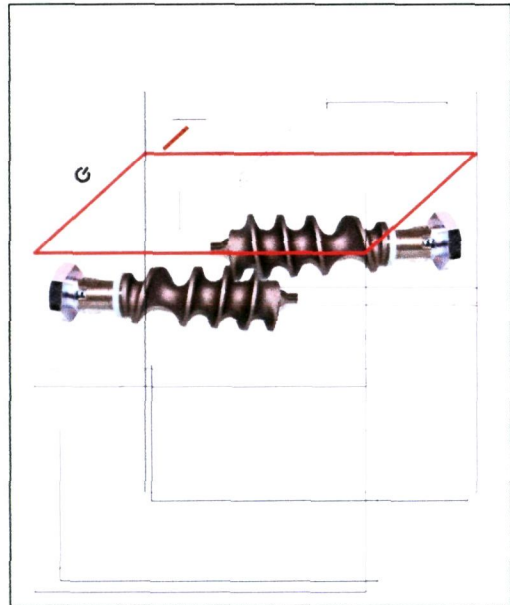


Figure 2.0: Back View of Smart Organic Bin

1.6 Future Expansion

In a long term, when the team already has customers from different areas of this country, which will be the starting point where our product start to make profit out of it. We were planning to create a bigger field of market size. We are targeting this country marketing before world market size because there is a potential for this Smart Organic Bin to sustain in future because the team was the first to got to market with a new product that can compete effectively.

1.7 Proprietary Features

According to Patents Act 1983, a patent is an intellectual property right granted to an inventor giving him or her the exclusive right to make, use, or sell an invention for a limited time of period (20 years). Our company decides to patent the following feature that is the Bio Bloom Box to protect this design. We file a patent application with the Intellectual Property Corporation of Malaysia. The patent protection gives us the exclusive right to stop others from manufacturing, using and/or selling owner's invention in Malaysia without the owner's consent or permission.