



اَوْبُوْرَسِيْتِي تِيكْنُوْلُوْجِي مَارَا
U IVE SITI
TEK OLOGI
MARA

DIPLOMA IN MECHANICAL ENGINEERING

MEC 332- MECHANICAL ENGINEERING DESIGN

PROJECT:

DROP IT! MACHINARIES

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ABSTRACT

Our product, the multipurpose dispenser machine as the name implies is an automated powder dispenser that is fast, accurate and aesthetically pleasing. The main objective of this machine is to reduce time consuming and get an accurate measuring multiple ingredients. It makes the mundane and tedious job of manually scooping out any kind of powder and grains from multiple compartments; such as coffee, sugar and any other powders accurately a breeze. No need to whip out that kitchen scale for accuracy and no more having to clean up multiple vessels. It is also more hygienic in a public setting compared to traditional dispensers which has knobs that needs to be fully held and twisted to operate using an innovative user interface like a rotary encoder with a push button. For displaying the information, we've included an OLED display for best viewing angles and visibility no matter the lighting conditions. This machine is also suitable for someone who has no experience in making coffee or cupcake where they only have to press the number of dosage based on a recipe book only. It is also eases workers in bakeries, coffee shops or normal households to work faster for just a split in a second. We've also taken into consideration all the competing solutions in the market today that is similar to our project and found that the machine is more affordable. This makes it more accessible for a wide range of customers including mothers, everyday coffee enthusiasts and even students.

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