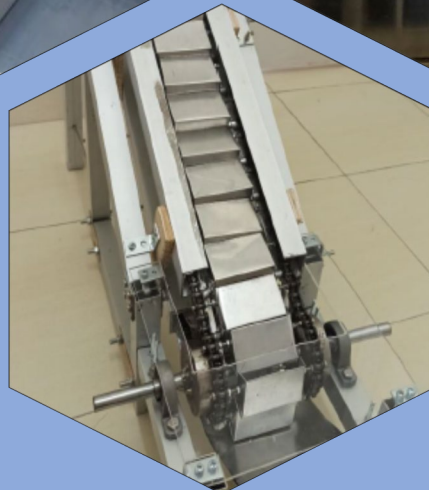
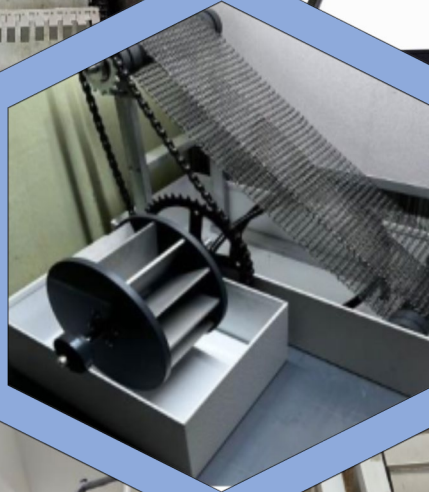


PROTOTYPE DESIGN COLLECTION

SERIES 1



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CHAPTER 61

Design, Analysis and Fabrication of Ice Cream Machine with Dispenser

Nur'ain Humaira binti Mohamad Nasir and Nurulsaidatulasyida Binti Sulong

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PROJECT DESCRIPTION

During this globalisation era, many machines and electrical devices have been created or upgraded into a better version to make people feel more comfortable and ease their work. An ice cream machine with a dispenser is developed according to the market demand. Due to difficulties in freezing the ice cream and storing the toppings, this project aims to fabricate an ice cream machine with a dispenser that can freeze the ice cream less than overnight by using Peltier as a cooling element. The cooling element is powered by power supply AC to DC because it is more efficient and easier. This project is to design, analyse, and fabricate an ice cream machine with a dispenser that can save more time and easy to dispense the toppings. To conclude, this machine will give benefits to many people.

Keywords: *Ice cream machine*

PROTOTYPE



DESIGN PARAMETER

BILL OF MATERIALS (BOM)		
Number	Part Name	Descriptions
1.	BODY OF MACHINE	317mm x 397mm x 440mm
2.	CRUMBS DISPENSER	118mm x 320mm x 234mm
3.	PROPELLER OF FAN	37.5mm x 17.5mm x 31mm (radius)
4.	HOUSING OF FAN	80mm x 80mm x 80mm
5.	NOZZLE	39.48mm (radius)

NAME: NUR'AIN HUMAIRA BINTI MOHAMAD NASIR
STUDENT ID: 2019266346
GROUP: J4EM1105H
DRAWING TITLE: BILL OF MATERIAL (BOM)
SCALE: 1:1