

NAME: DIVINE MARSHAL

ROLL NO: 5023144

CASE STUDY 2: ELECTRONIC PRODUCT

PRODUCT DESIGN

OUR PRODUCT IS MICROWAVE OVEN :



SOFTWARE / PLATFORM USED: CANVA

Product Analysis Report: Microwave Oven

1. Location of the Elements

The handle of the microwave oven is positioned on the front, allowing easy access to open the door without bending or reaching awkwardly. The keypad is located on the right side or front, designed for quick access to settings like time, power level, and preset cooking options.

2. Size

The buttons on the microwave are large and well-spaced, making them easy to press even when the user's hands are full or wet. The handle is designed for a comfortable grip, allowing for easy opening of the door. The overall size of the microwave is optimized to fit on standard kitchen countertops while providing ample interior space for cooking various dish sizes, striking a balance between compactness and functionality.

3. Form

The handle is often designed to be ergonomic, allowing for a smooth and natural motion when opening the door. The outer box usually features a sleek, rectangular shape that maximizes interior space while fitting seamlessly into modern kitchen designs. The overall form is not only functional but also aesthetically pleasing, often available in various finishes to complement kitchen decor.

4. Material

The outer box of the microwave is typically made from high-quality stainless steel or durable plastic, chosen for their ability to withstand heat and resist stains. The interior is usually composed of easy-to-clean materials that can handle high temperatures and are microwave-safe. The base plate is often made of a heat-resistant composite, ensuring stability during operation while protecting the countertop.

Conclusion

The design decisions for the microwave oven highlight a careful consideration of user experience, safety, and aesthetics. These elements work together to create a reliable kitchen appliance that not only meets cooking needs but also enhances the overall kitchen environment.

