Adaptive Microwave Interface
Turn, Don't Burn!

Design Challenge Modify a microwave to be simple enough that clients with developmental disabilities can heat their food safely and independently.

Design A cylindrical dial that selects preset food icons, audibly announces selections, and uses LEDs to indicate if the microwave is operating.

Red LEDs
Indicates when the microwave is on

Speaker
Announces each food option

Food Icons
Illustrates food options
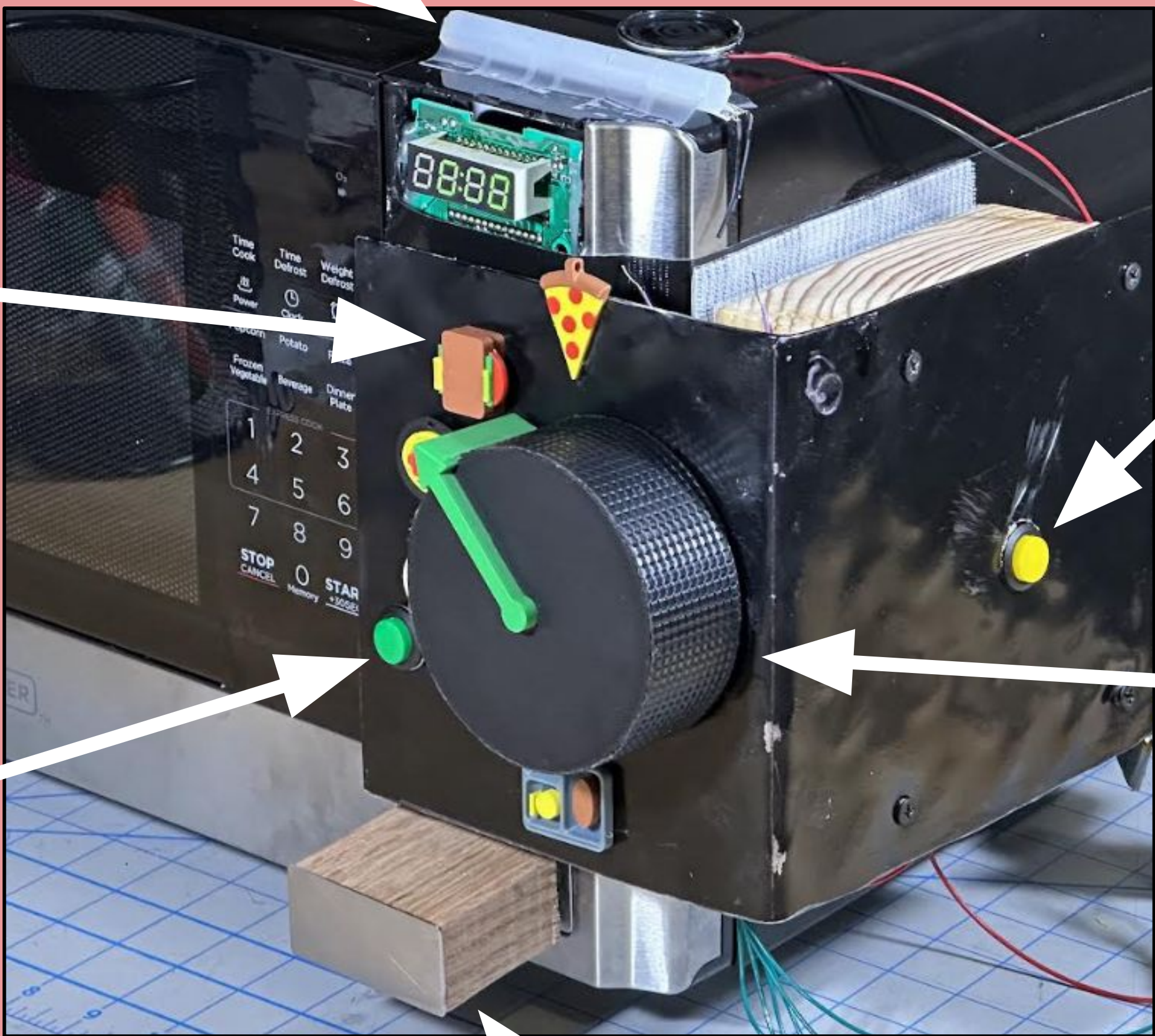
+30 Second Button
For staff/DSP use only

Start Button
Sets microwave to preset time

Dial
Rotates rotary switch to select food options

Open Button
Opens and turns off microwave

Place food into microwave → Select food by turning the dial → Hear option repeated & click start → Wait for the red lights to turn off → Take food out