



# Example Product Design Specification

## Introduction

—Describe the product briefly here—

## Basic Operation

—Describe the basic operation briefly here—

## Scope

— Explain the products' place in the market, target audience and intentions behind its creation. Include financial and time restrictions over the production—

## Functional Requirements

### Construction

Key Consideration	Requirements	Issues/Challenges
Materials and process	<i>Outline the materials and manufacturing process required</i>	
Dimensions	<i>Provide guidance on the product's dimensions Height: [Min-Max] Width: [Min-Max] Length: [Min-Max] Depth: [Min-Max] Weight: [Min-Max]</i>	
Quantity	<i>Initial production of [x] units, with [x] more in the next 12 months</i>	
Lifespan/Reliability	<i>The product is expected to function correctly for [x] years</i>	
Maintenance	<i>Note aspects that will require maintenance and how often it will be needed. Note safety standards for replacement parts if applicable</i>	

### Experience

Key Consideration	Requirements	Issues/Challenges
Aesthetics	Identify any visual requirements such as style or colour	
Ergonomics	Identify any required aspects of the product relating to control or use e.g. button size or position	

## Safety

Key Consideration	Requirements	Issues/Challenges
Safety considerations	Note aspects of the product that could potentially cause safety concerns	
Safety standards	List the safety standards that need to be adhered to	
Testing	Identify the testing process for safety and quality control that will need to be followed	

## Transport

Key Consideration	Requirements	Issues/Challenges
Packaging	Describe the type of packaging required and how/if this impacts product design.	
Shipping	Note the regions the product will need to be shipped to and refer to "Dimensions" if required.	

## Environmental

Key Consideration	Requirements	Issues/Challenges
Recycling	Establish how recyclable the materials used should be (both percentage and ease for end user)	
Disposal	Note any guidance on how to dispose of the product	

## Questions

—Ensure the above remains factual by listing any questions of considerations for the design team here—



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