

MECH0007 Manufacturing Case Study  
Hair Dryer

UCL

Group 19

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March 6, 2020

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# Chapter 1

## Exterior casing

### 1.1 Materials used

### 1.2 Manufacturing techniques

### 1.3 Design choices

# Chapter 2

## Heating components

### 2.1 Materials used

### 2.2 Manufacturing techniques

### 2.3 Design choices

# Chapter 3

## Electrical components

### 3.1 Materials used

### 3.2 Manufacturing techniques

### 3.3 Design choices

# Chapter 4

## Motor

### 4.1 Materials used

### 4.2 Manufacturing techniques

### 4.3 Design choices

# Chapter 5

## Meeting notes

### 5.1 06-03-20

- Xavier to take all components for analysis. Those components are: heating coil, shaft mount, bi-metallic strip, outer motor casing, motor shaft spacer, rivet, string (inside spring), inner motor casing, mica, magnets.
- Uwais to research exterior components.
- Vincent to research motor.
- Philip to do electrical components.
- Hasha to do heating components.