

Shower-Matic Automated Shower System

Team 7



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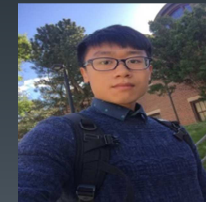
Yuda Han



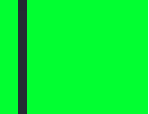
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Shower-Matic Shower Automation System

Description

- Purpose of Product :

An automated device that could regulate temperature to a preset value and save water by preventing water from flowing leaving the shower head until the desired temperature is reached

- List of Features:

- Automatic regulating temperature
- Save water
- Programmable

- Target Market:

Our product is marketed to the entire world, with a focus on country's with water problems



Key Requirements

- Cost
 - Sales Price: \$500
 - Component Cost \$350
 - Assembly & Test Costs \$50
- Environment
 - Indoor, Stationary
 - Operating Temp Range: (5C to 45C)
 - Operating Humidity Range: (20% to 100%)
- Power Input(s)
 - Residential AC Power: 102 – 132 VAC @ 2 Amps Max
- Major Functions, Quantities Measured, Displayed
 - Regulating water temperature, +/-1C
 - Save and collect water
 - Show the water temperature, +/-1C
 - Set temperature, +/-1C

