

Experiments & PoC

Burning a Sambrani from the bottom
Insights: Gives an even burning, overall experience isn't affected. Burning from the bottom is a viable option for the igniter

Ignition from the bottom will also help reduce the overall complexity of the product to bare minimum - helping reduce overall production cost.

Time taken to burn fully is from 1:26 to 1:45PM on July 19, 2022 - 19 minutes



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Opening up existing products



A hairdryer was opened up to understand how it utilises Nichrome Wire without a power supply module. Insight is that the length and gauge of the nichrome plays a role here in the hairdryer. The wound nichrome is very long and the gauge of the wire used is very high(thin) helping it achieve the required temperature without shorting and the actively cooling fan helps maintain the temperature.

