



**THE  
RAIN MAN**

# HOW DOES IT WORK

The Rain Man's mechanism of springs allows the user to control the intensity of the volume created by the metal sheet. The variety of elements incorporated allows a range of sounds to be produced, capturing the different stages of rain.



Box on the top holds the springs. To fully utilize its function, rice, beans and foil were added to create a rainlike sound.



Light shining through the acrylic rod is to emulate lightning striking through the dark, rainy skies.



Cotton balls hitting the sheet reminds me of large rain hitting on rooftops.



## Resonance frequency

The external force required in this system enables the user to play the amplitude at a specific preferential frequency.

## Intensity

As “The Rain Man” is a product that is extremely mobile, the intensity of loudness (*diminuendo/fortissimo*) and intensity of the model’s specific sounds can be further played around with.

## Tactile memory

The highly interactive model immerses the user to create the sounds in a enjoyable manner, making a connection to the sounds to the movement. Moreover, the lights incorporated makes the experience more memorable to the users.

# APPLICATION

## 1. Food court umbrellas



The form of “The rain man” enables consumers to sit below it to seek shelter from the rain or sun. Wind that gushes through the balls create a very calming, wind-chime like effect. The metal sheet and sounds produce will also chase away the pesky birds that often flock at such places. The lights that can be installed adds to the vibrancy of our beloved eating spots!

## 2. Children’s toy



The spring mechanism is a really entertaining feature - and therefore using it as a children’s toy will make it a fun way to learn about rain (thunder, lightening, light vs heavy rain) and to also train their motor skills.