

# MED.DISPENSER X

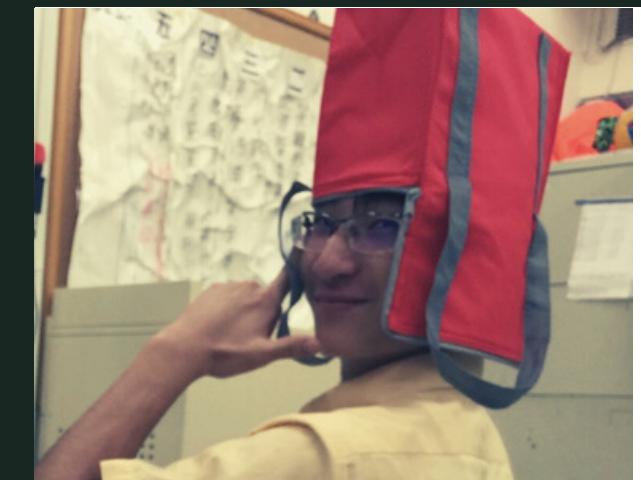
Design by [TEAM B.R.Y.A.N.]



# MEET THE TEAM



TIGER WUU  
CHAIRMAN



ANDY LIN  
Assistant



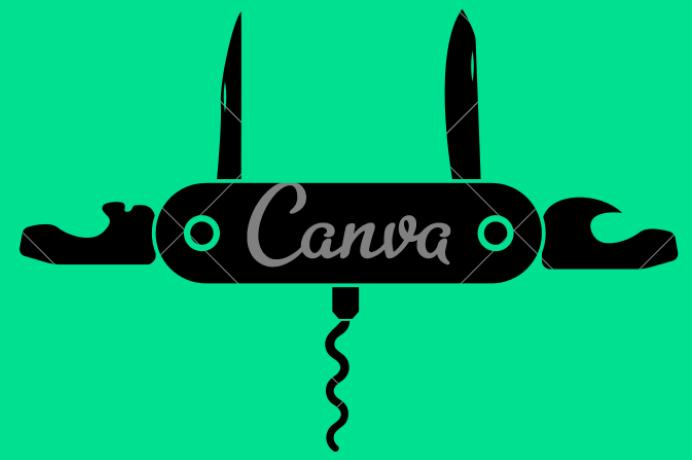
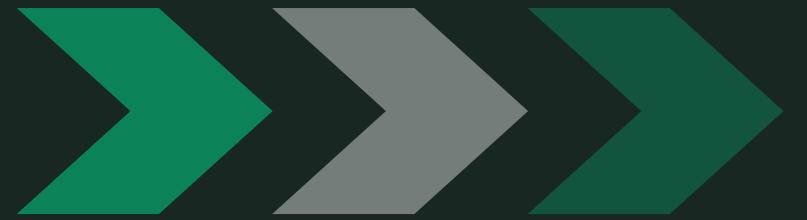
CHEN JUO TUNG  
Chief Executive Officer



HSIEH MING HSUAN  
Designer



# WHY MED.DISPENSER X ?



多功能



方便攜帶



定時管理



老少咸宜

# M E D . D I S P E N S E R X



## FOR KIDS

Candy:  
m&m,  
mentos



## FOR ADULTS

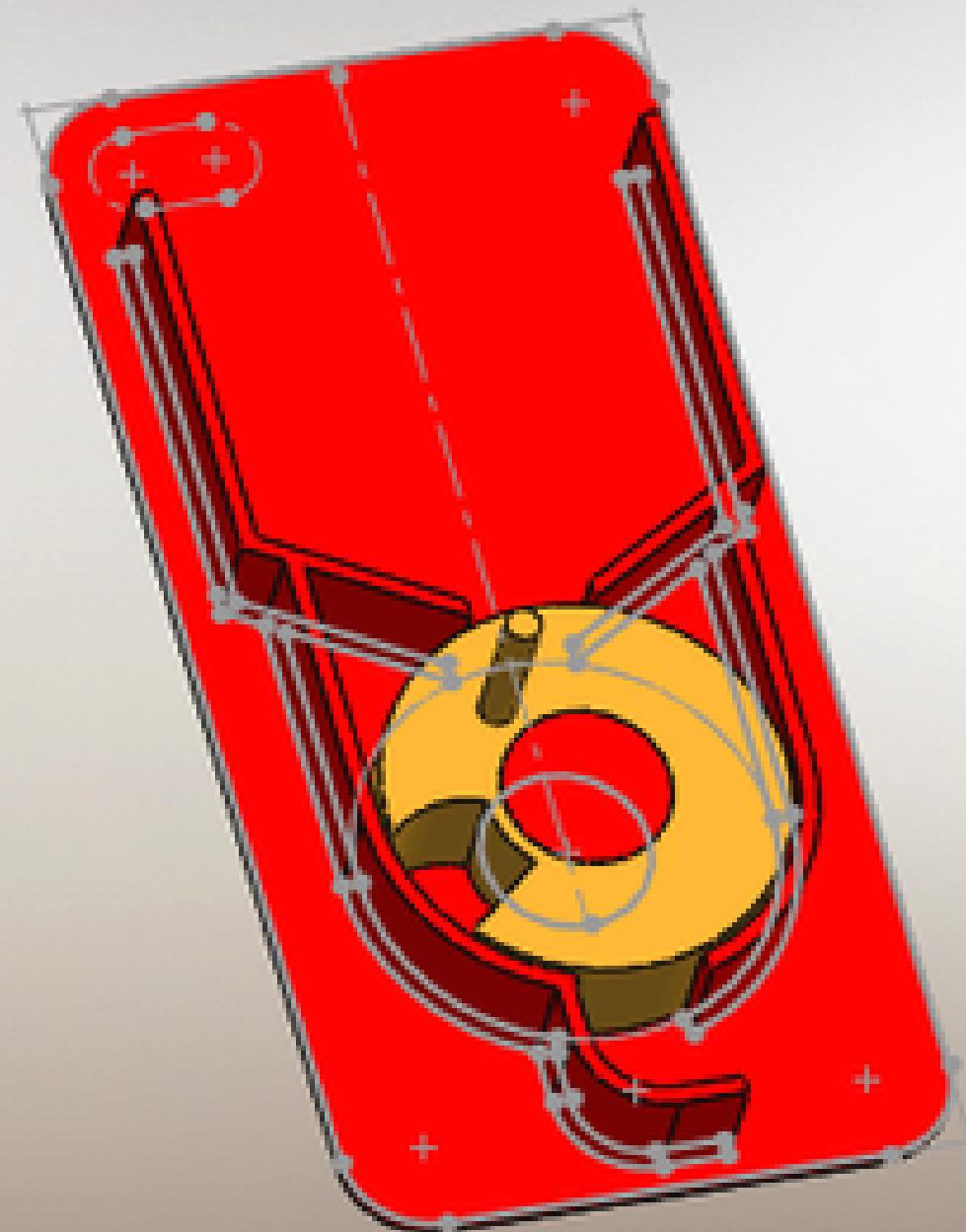
Throat sugar,  
gum,  
vitamin



## FOR ELDERS

Medicine:  
anti-hypertensive  
drug

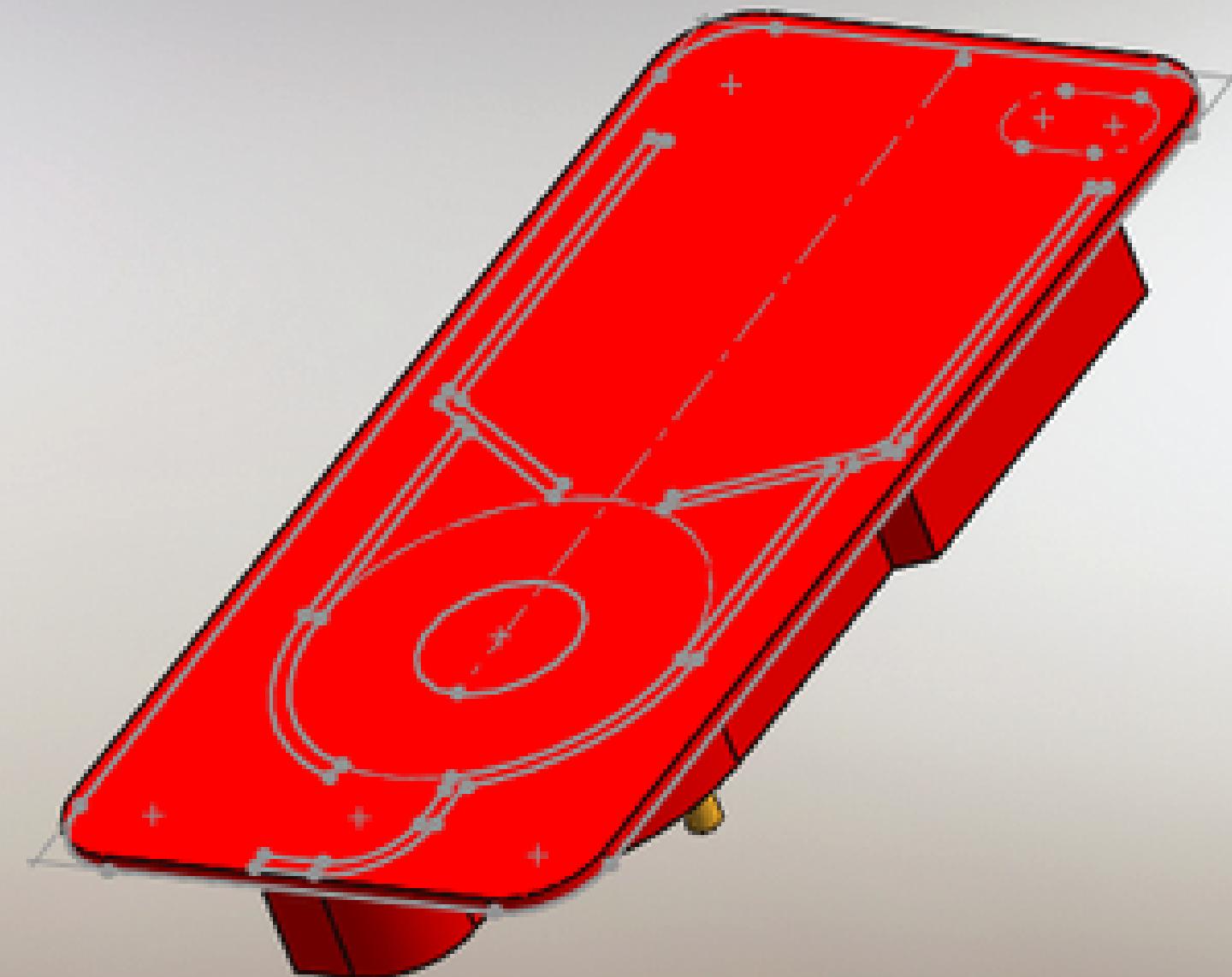
# PROTOTYPE I



## PROS

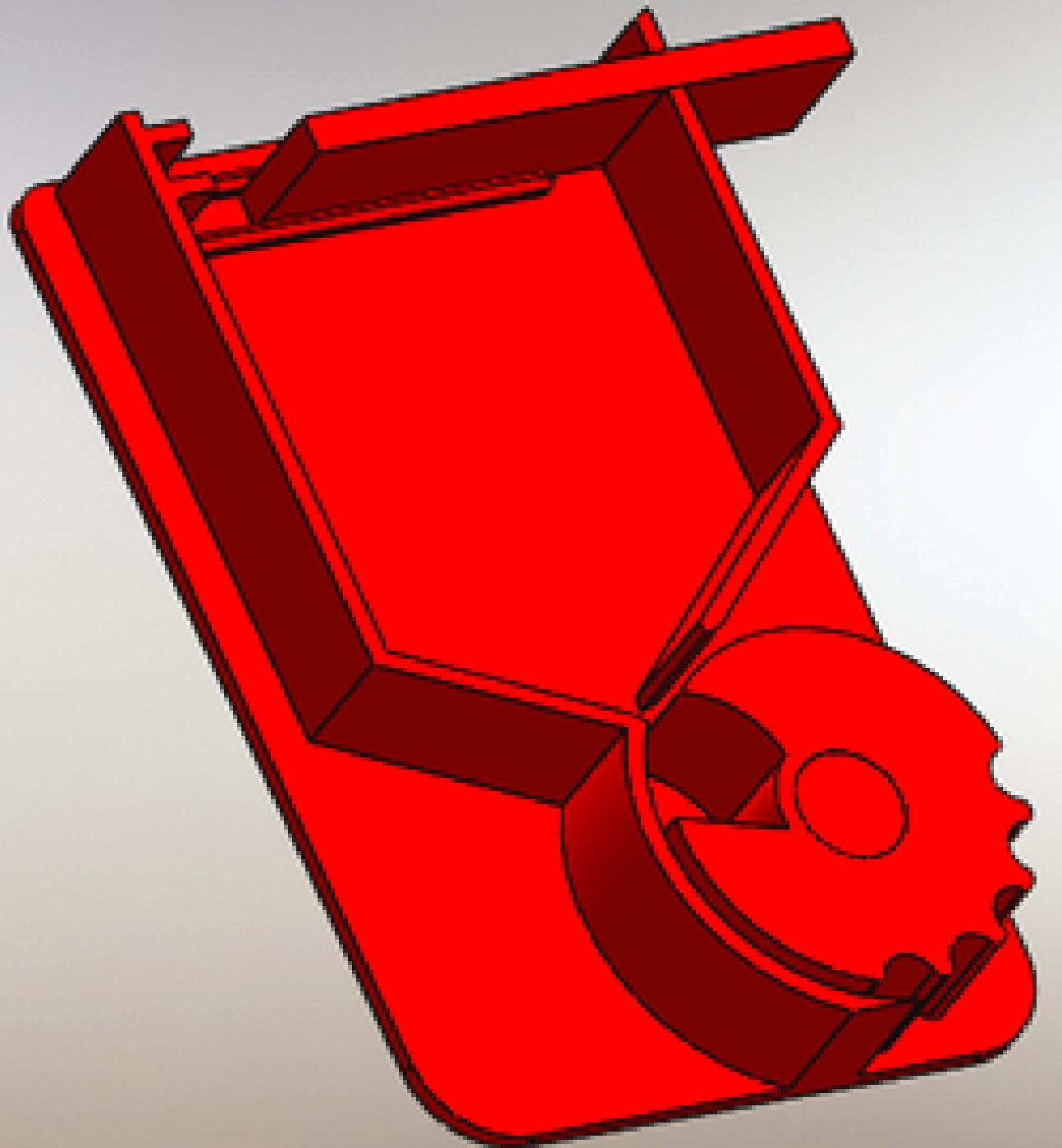
- 厚度適中
- 攜帶方便

# PROTOTYPE I



## CONS

- 容易脫落
- Size固定
- 齒輪太大
- 空間利用率不佳

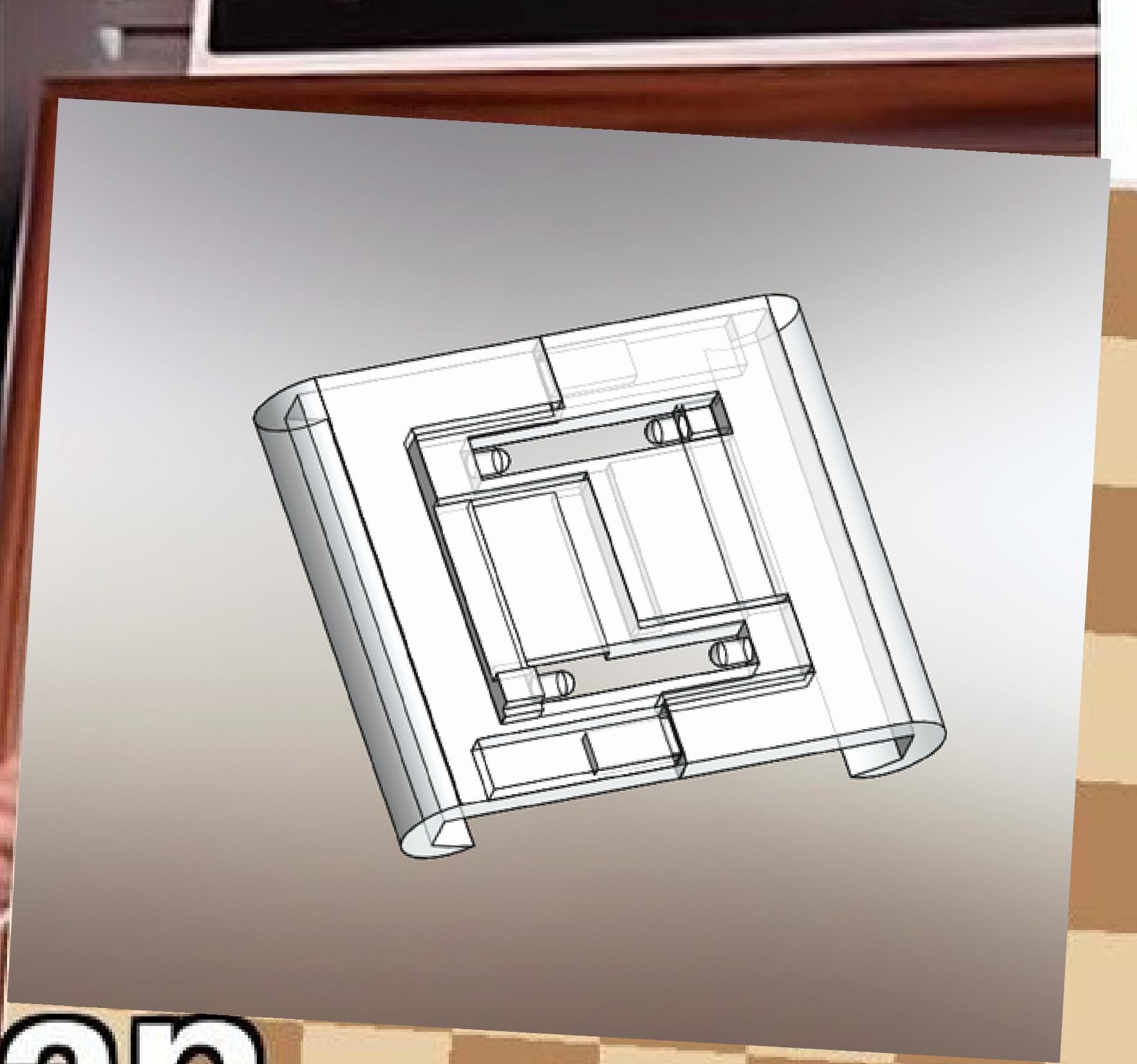


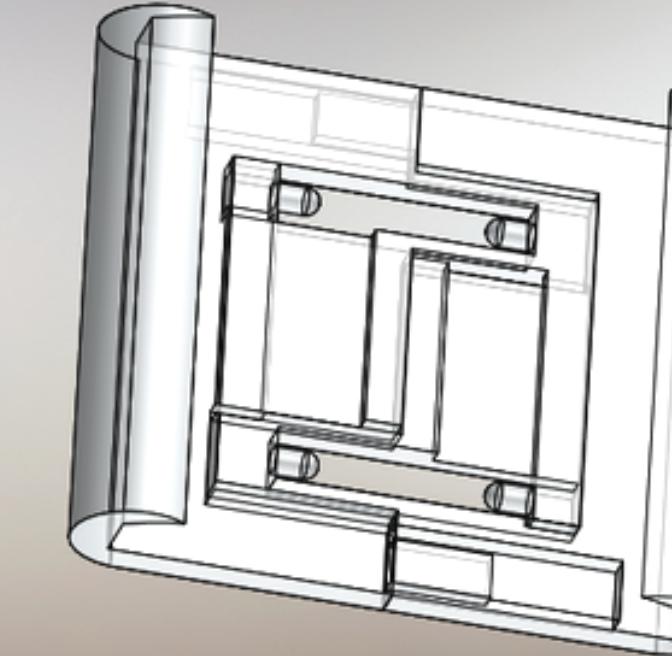
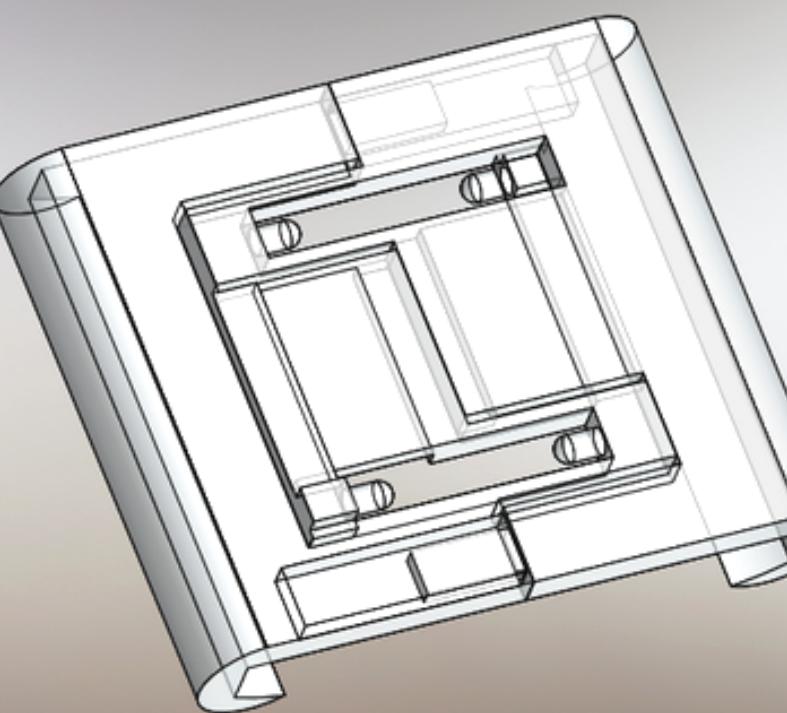
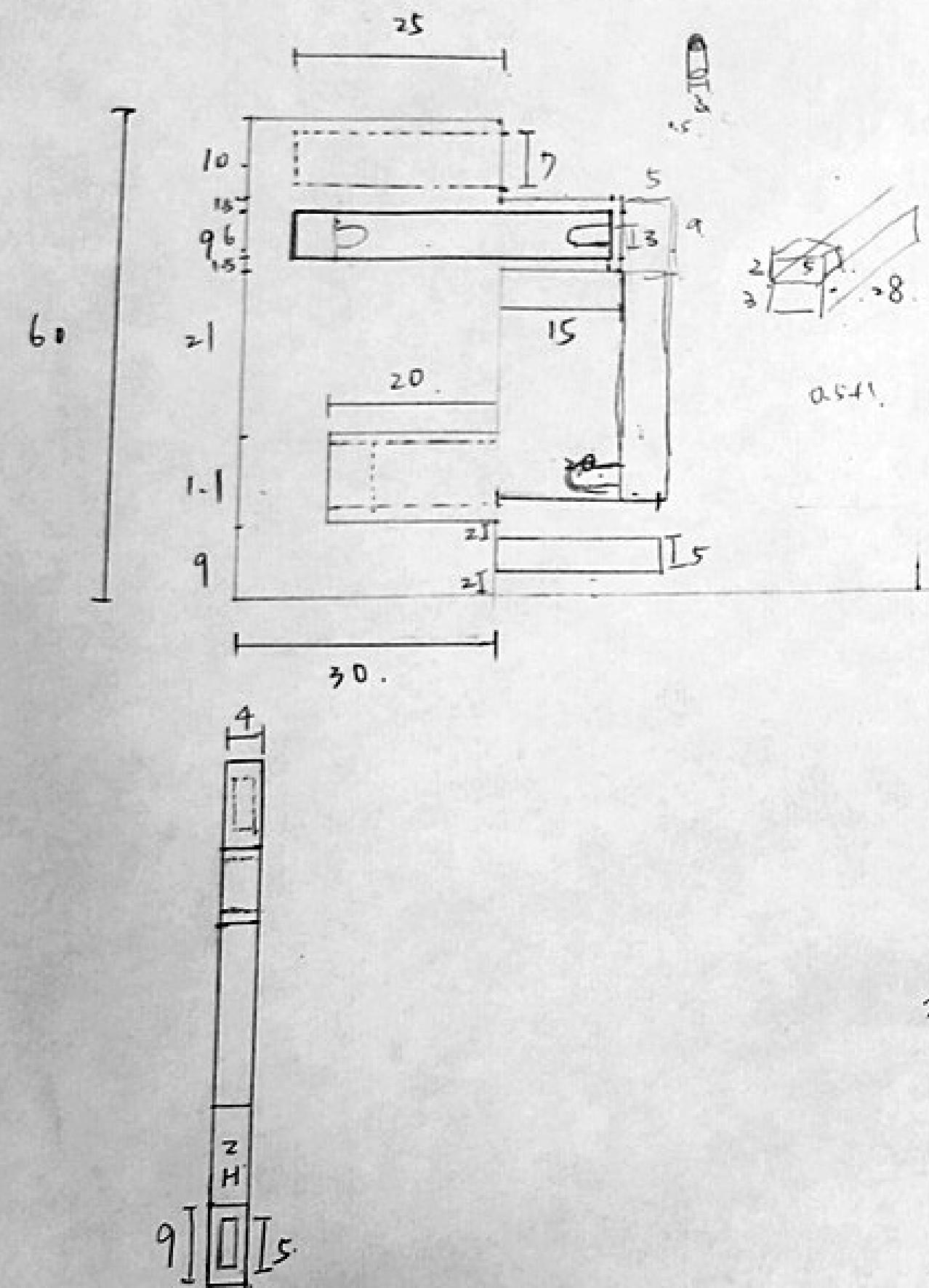
## IMPROVEMENTS

- 移除搖桿
- 增加上蓋
- 重新分配空間



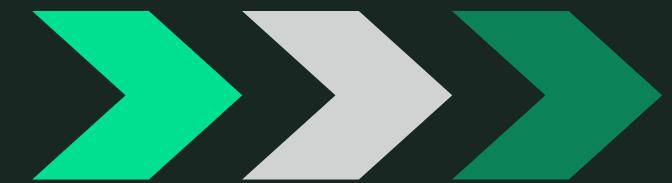
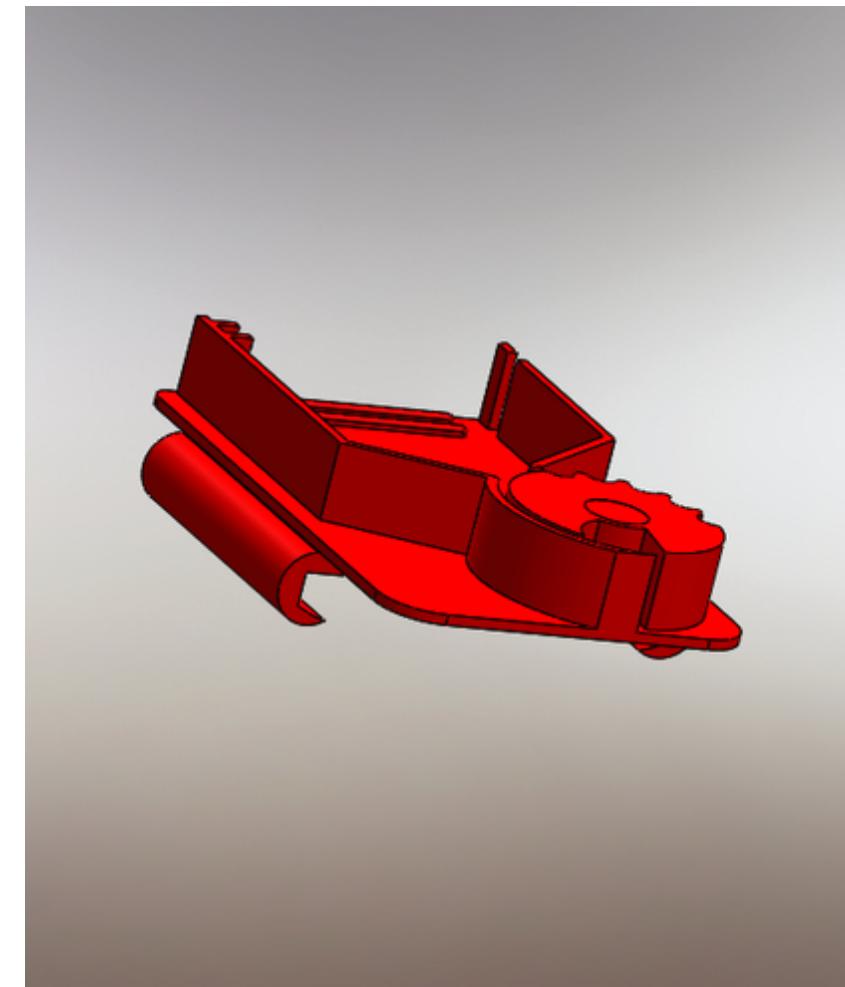
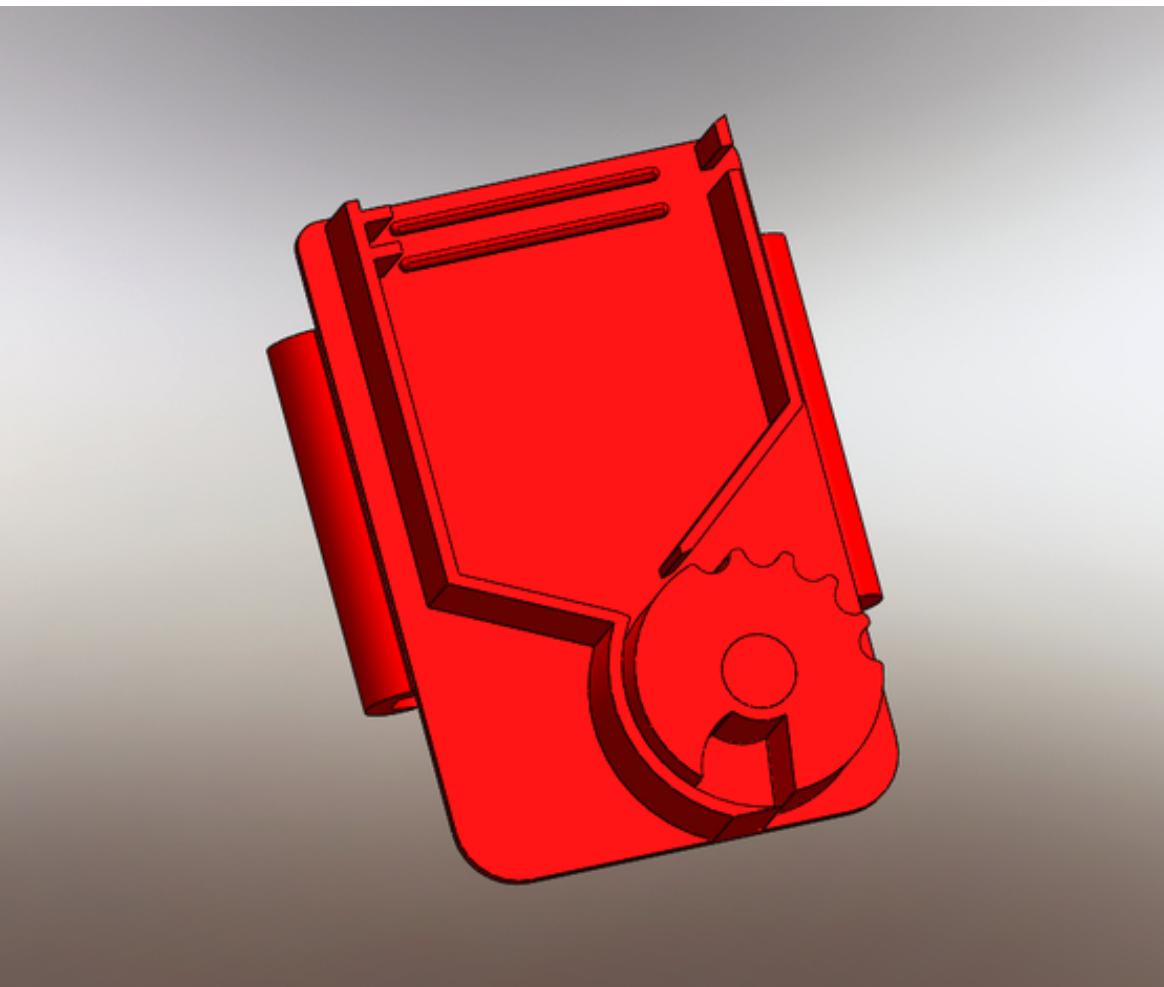
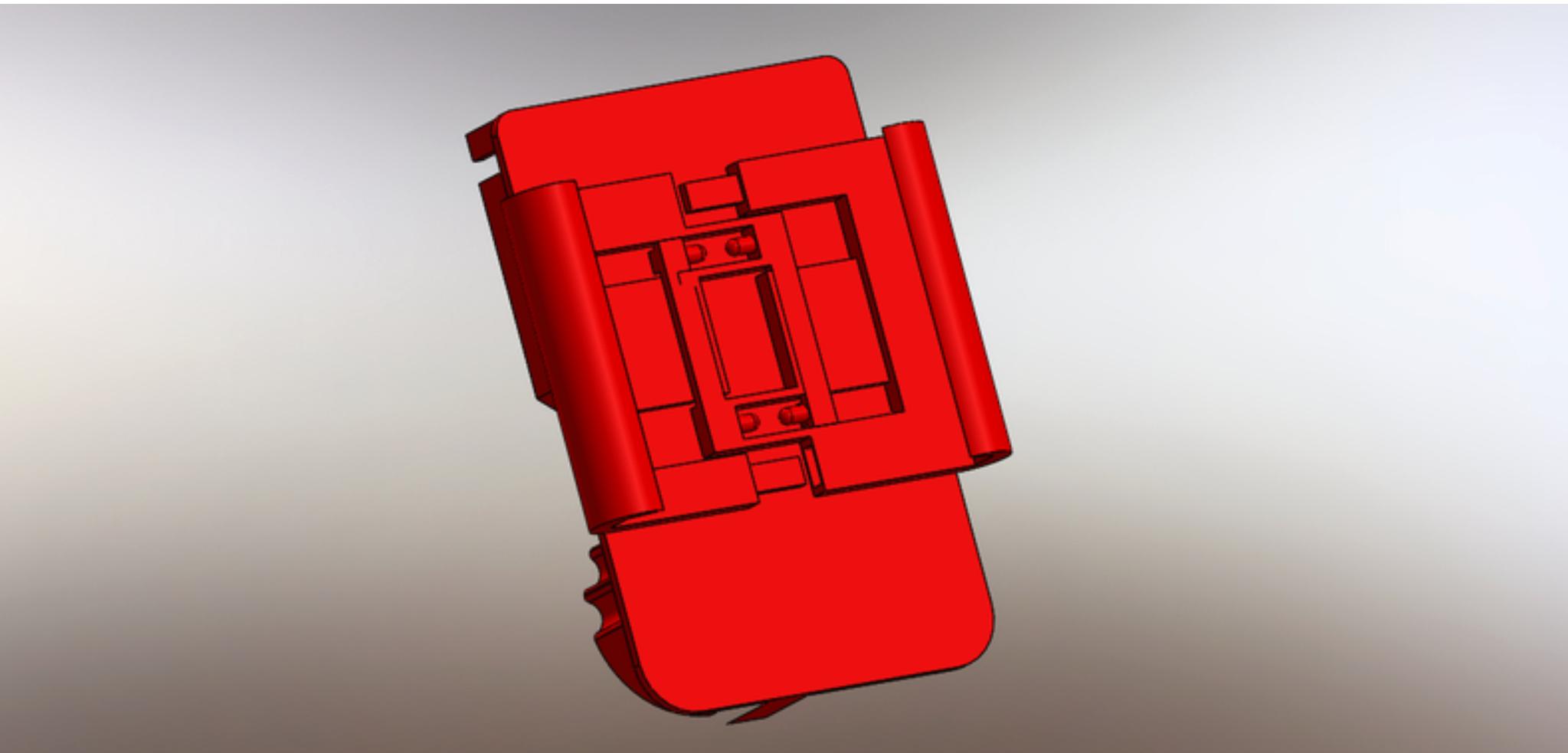
**What an  
outstanding move**





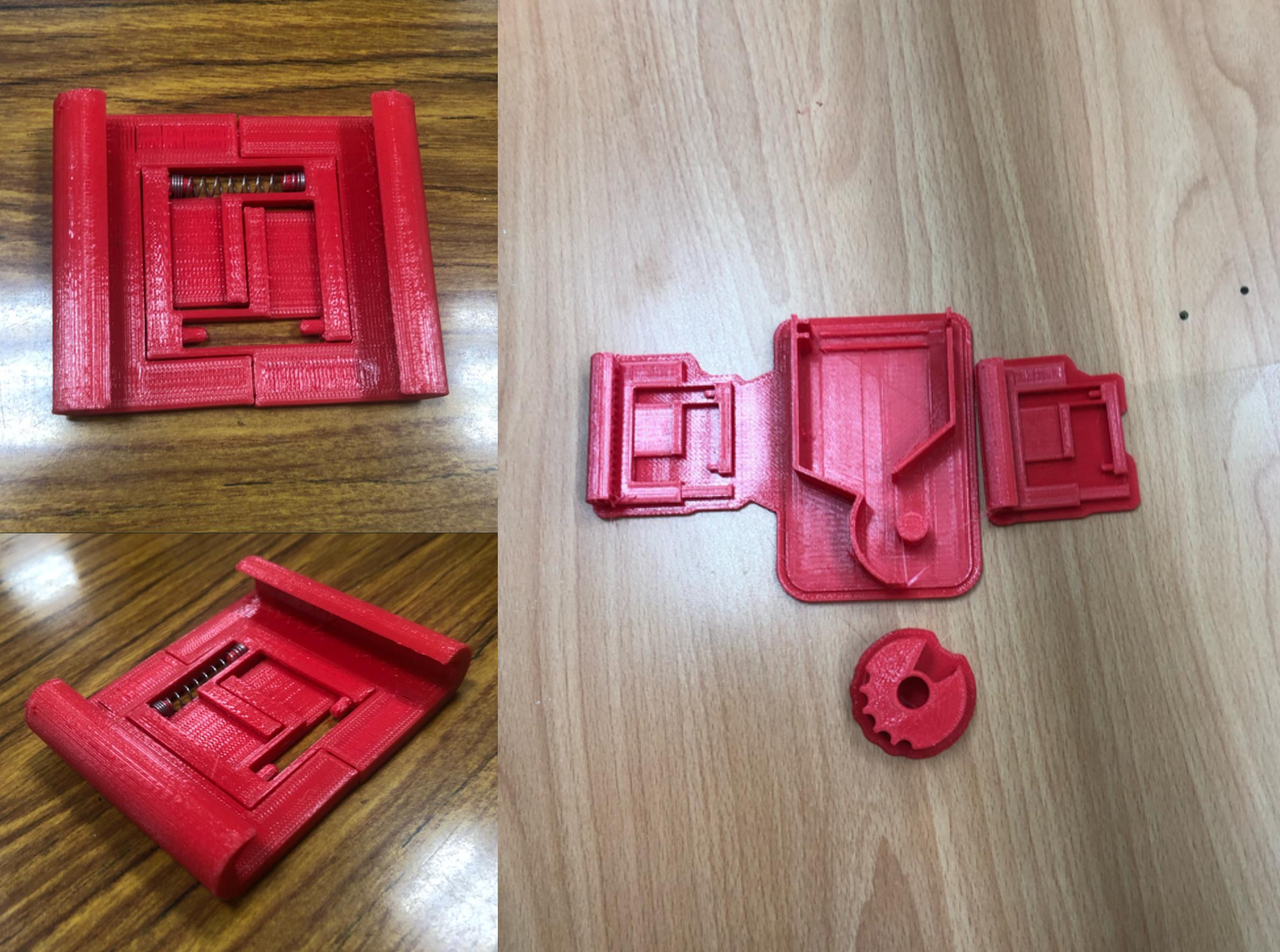
# 伸縮裝置

- 可自由調整大小
  - 大幅提升適用性
  - 不再受限於同一種  
型號的手機



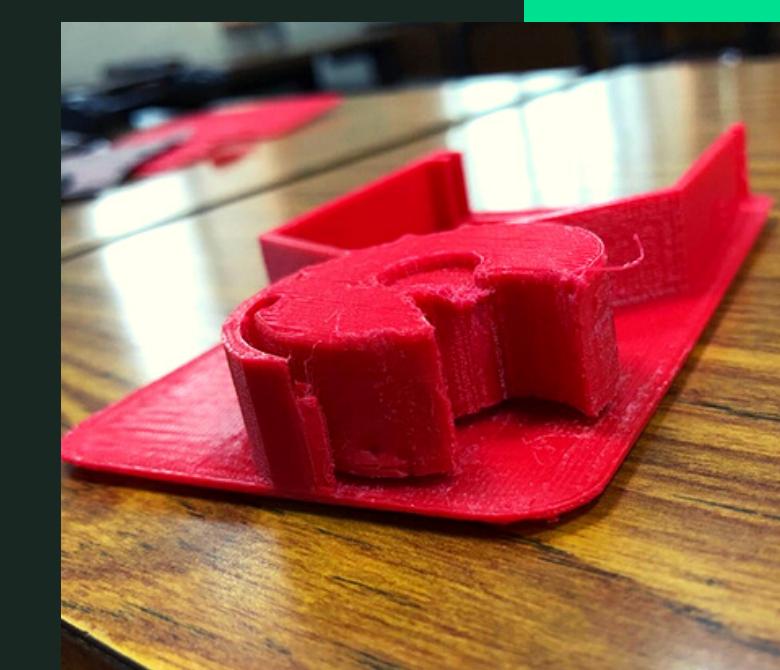
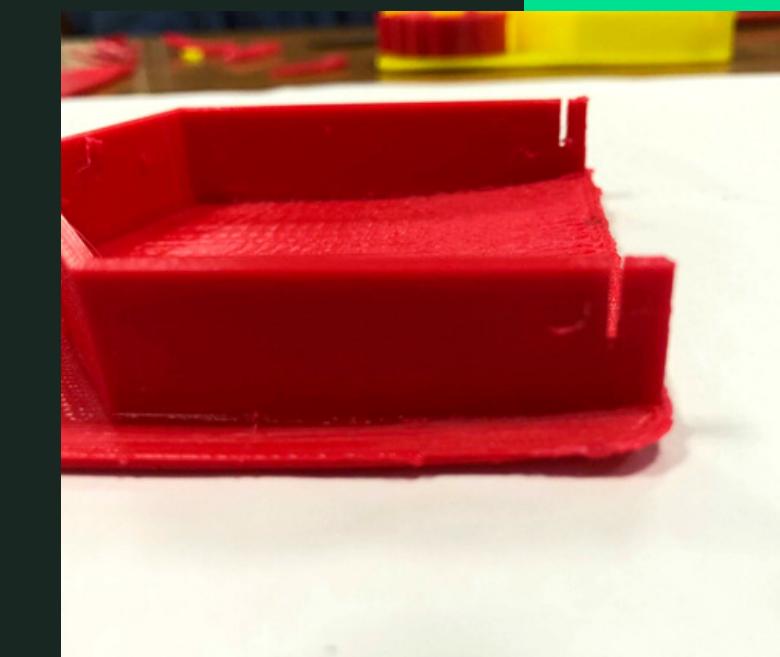
**PROTOTYPE II**

# MANUFACTURING



3D PRINTING PART 1

# DESIGNING PROBLEMS



**伸縮裝置**

尺寸太小  
厚度不合

**縫太小**

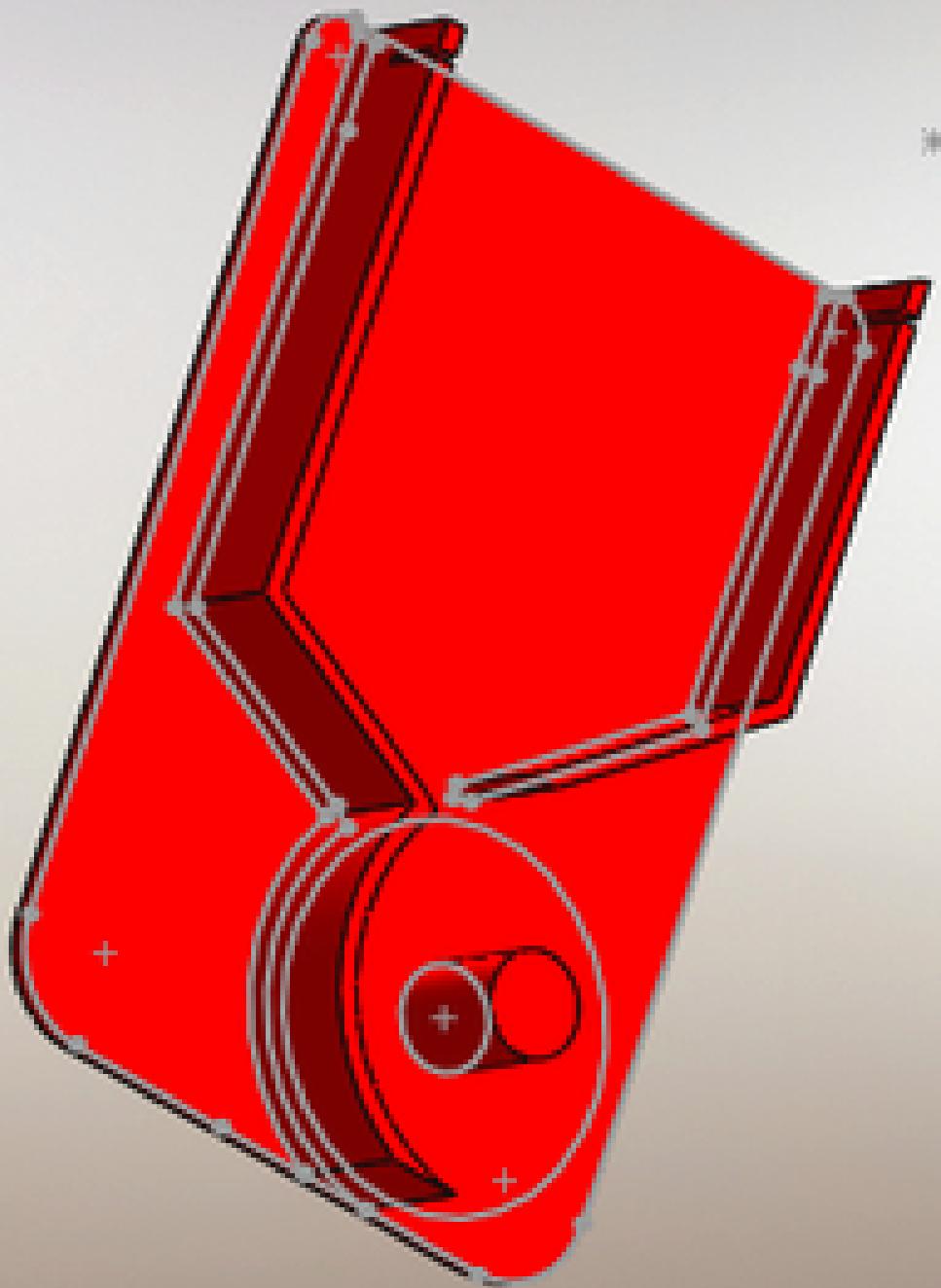
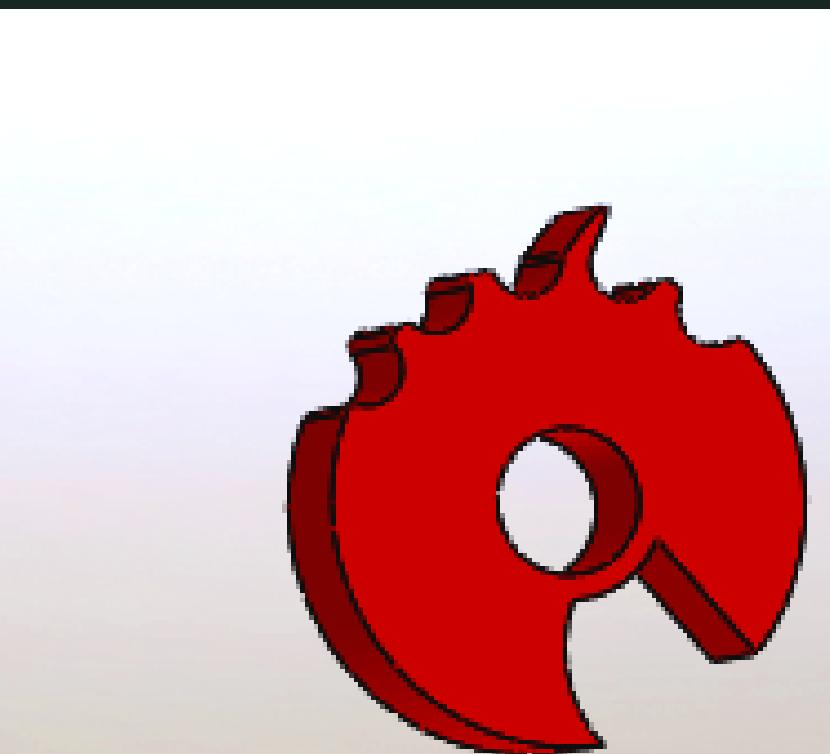
蓋子塞不進去

**滾輪旋轉角度不固定**

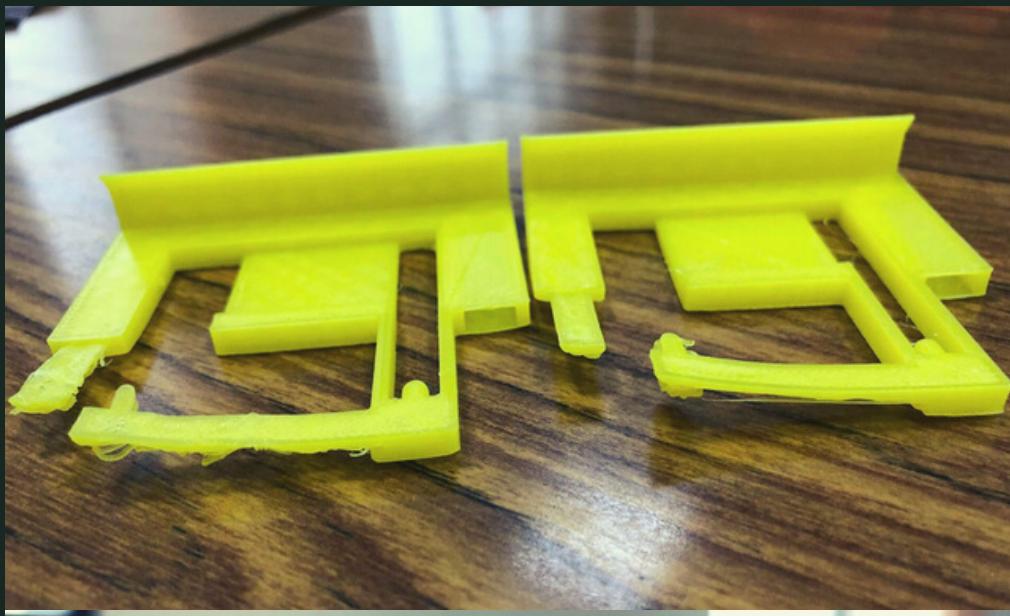
# ADJUSTMENT

## 滾輪和蓋子

- 限制滾輪的角度
- 蓋子使用卡榫



# 3D PRINTING PROBLEMS



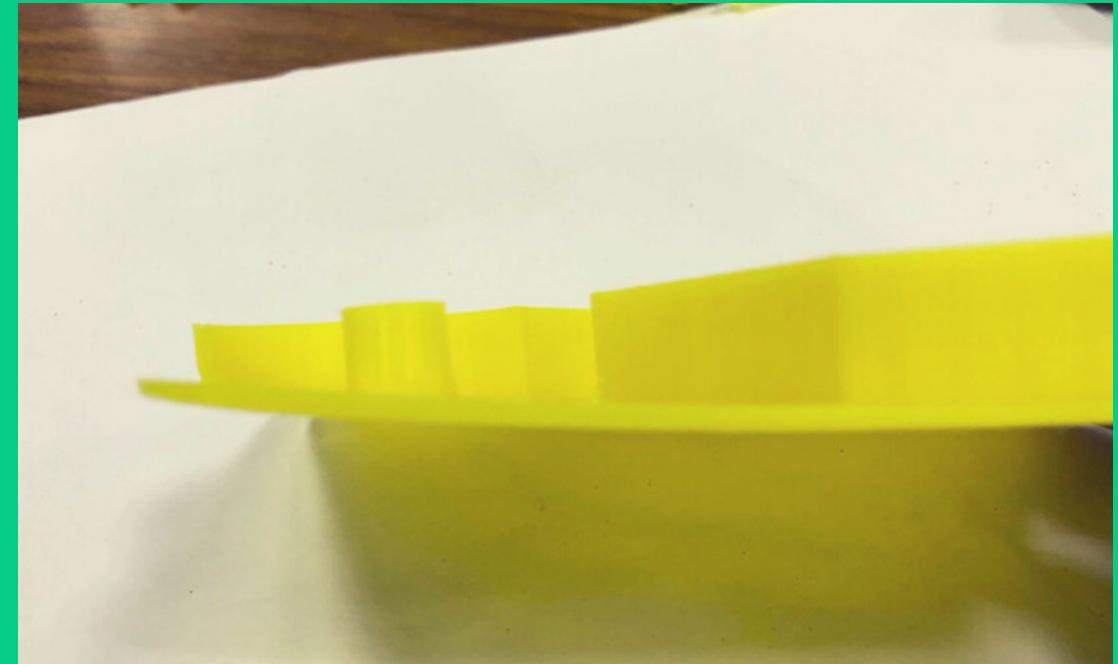
解決方法

支撐到熱床

**SUPPORTING MODE**

無支撐

全部支撐



**成品傾斜**

可能原因：

- 底座不平
- 熱床溫度不足

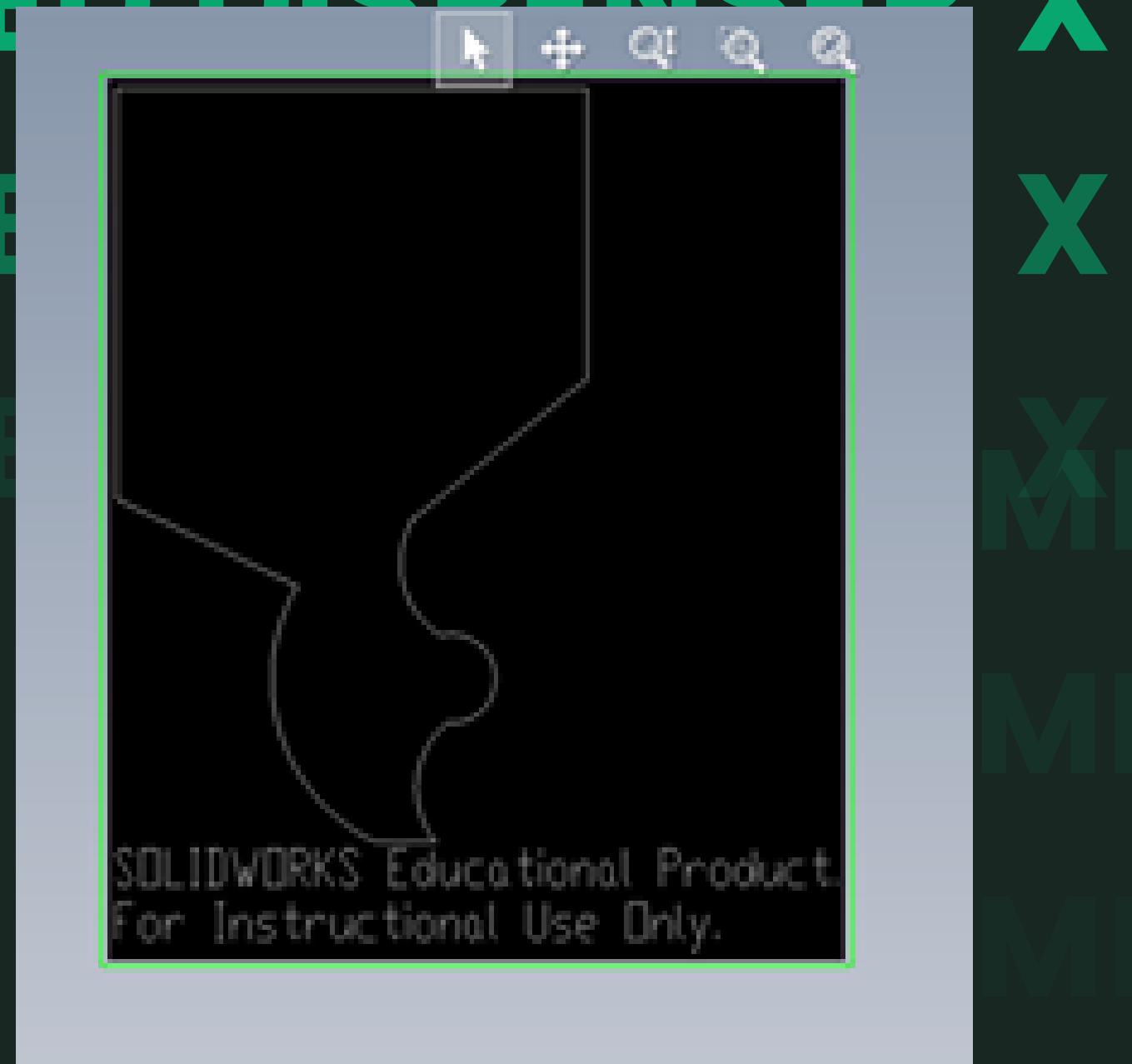
# MED.DISPENSER X

MED DISPENSER X

ME

ME

ME

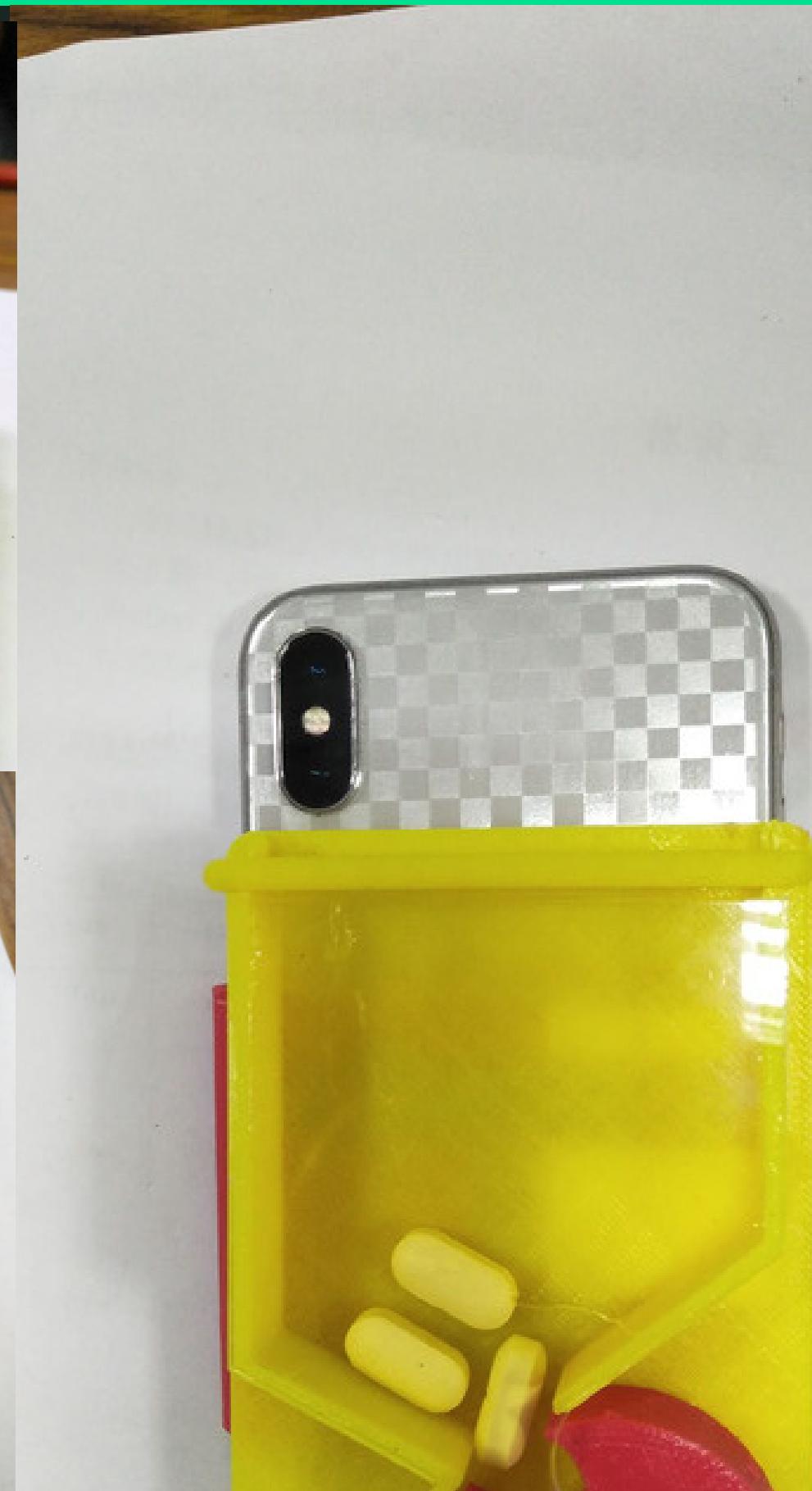
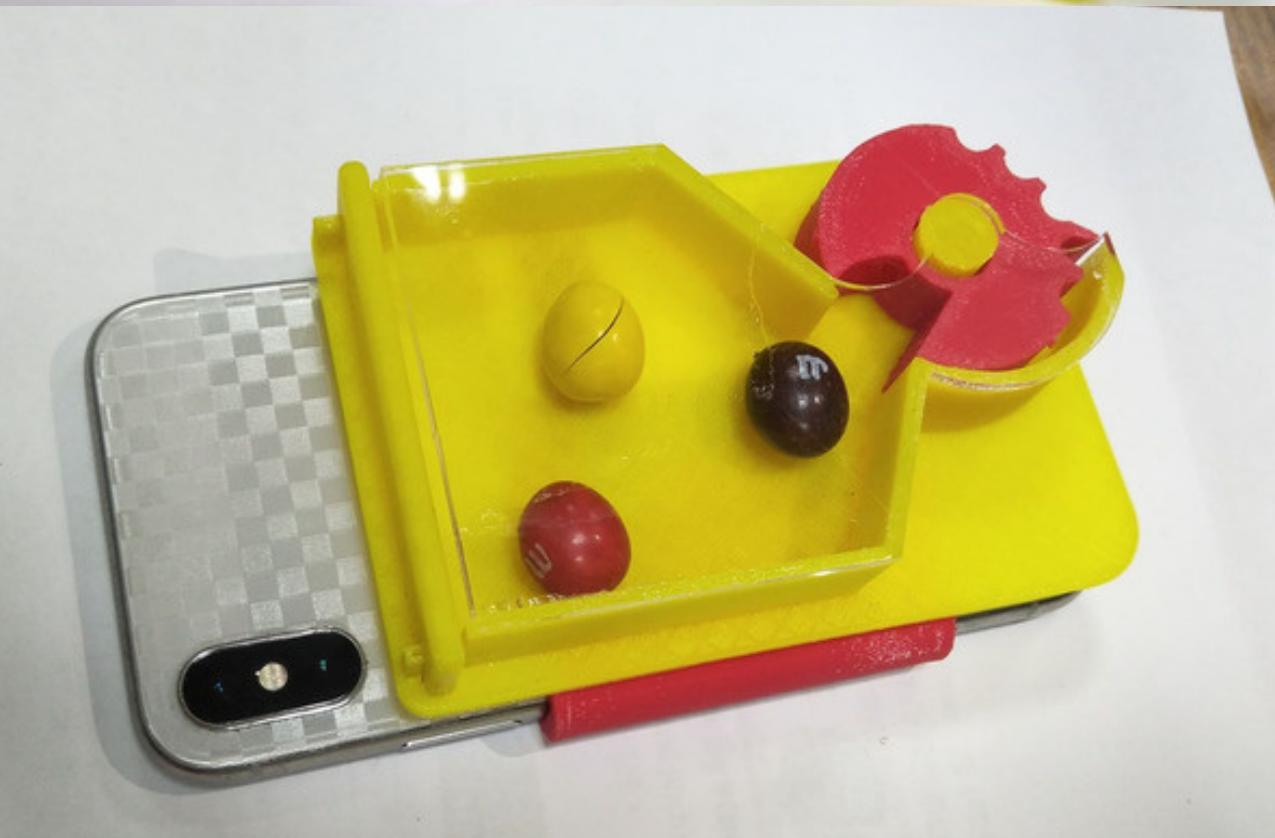
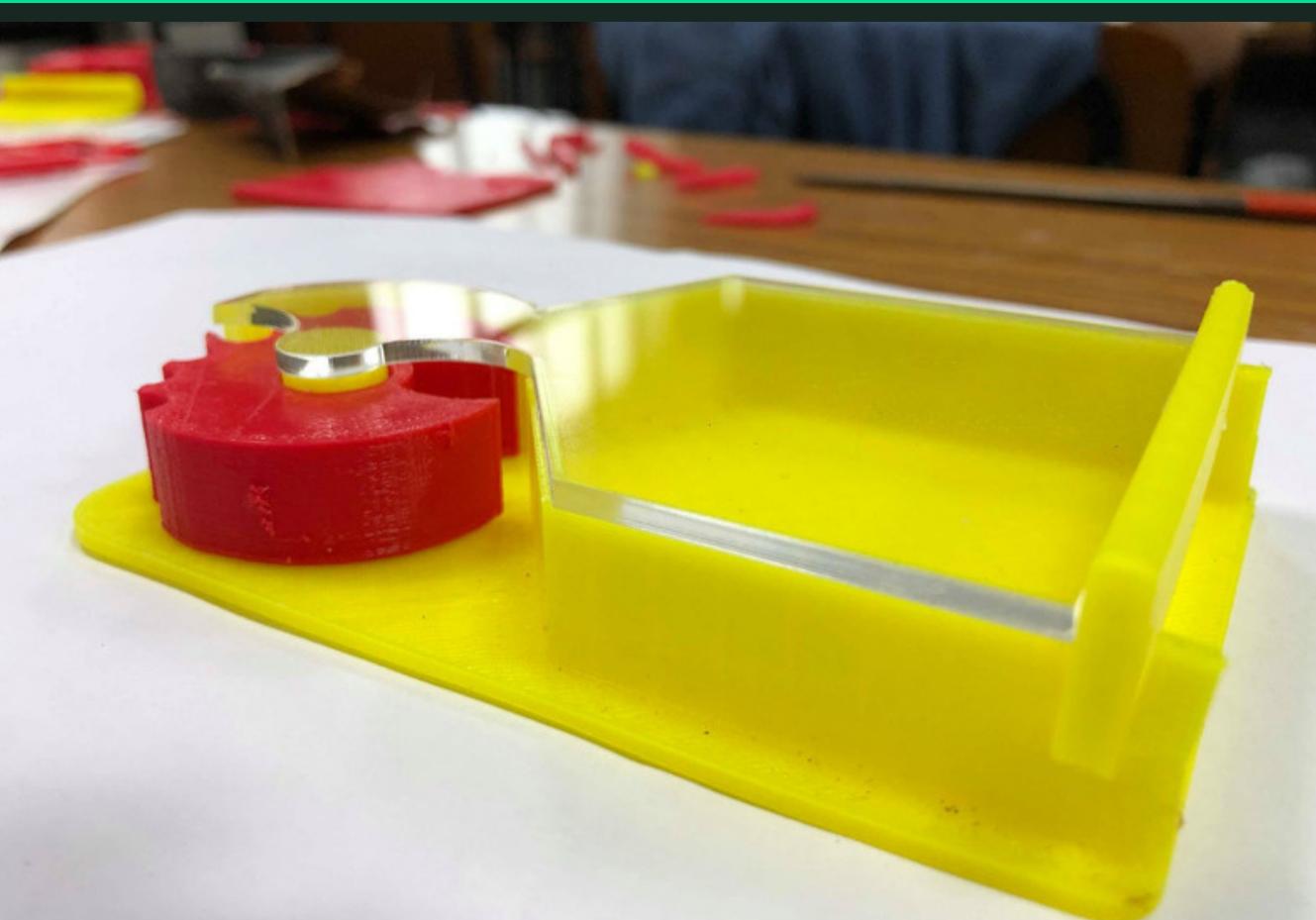


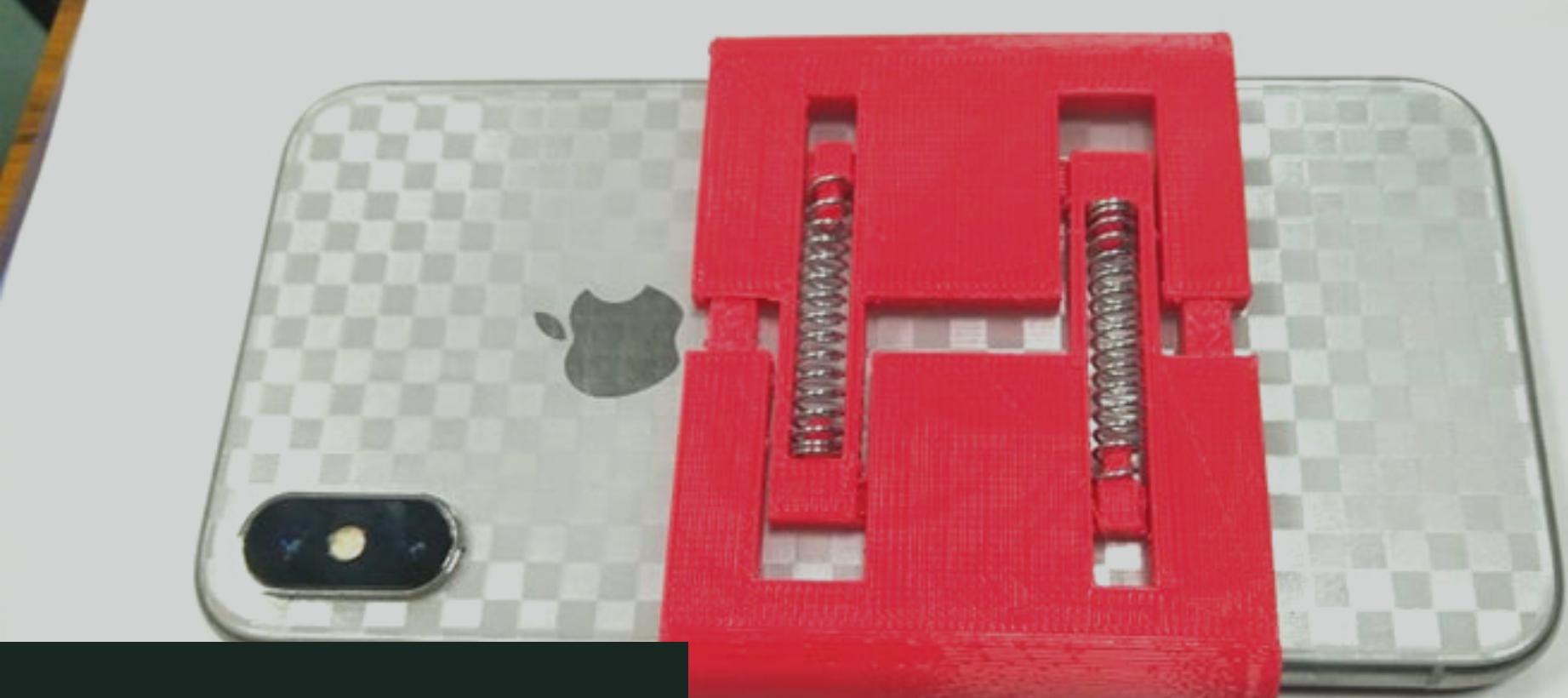
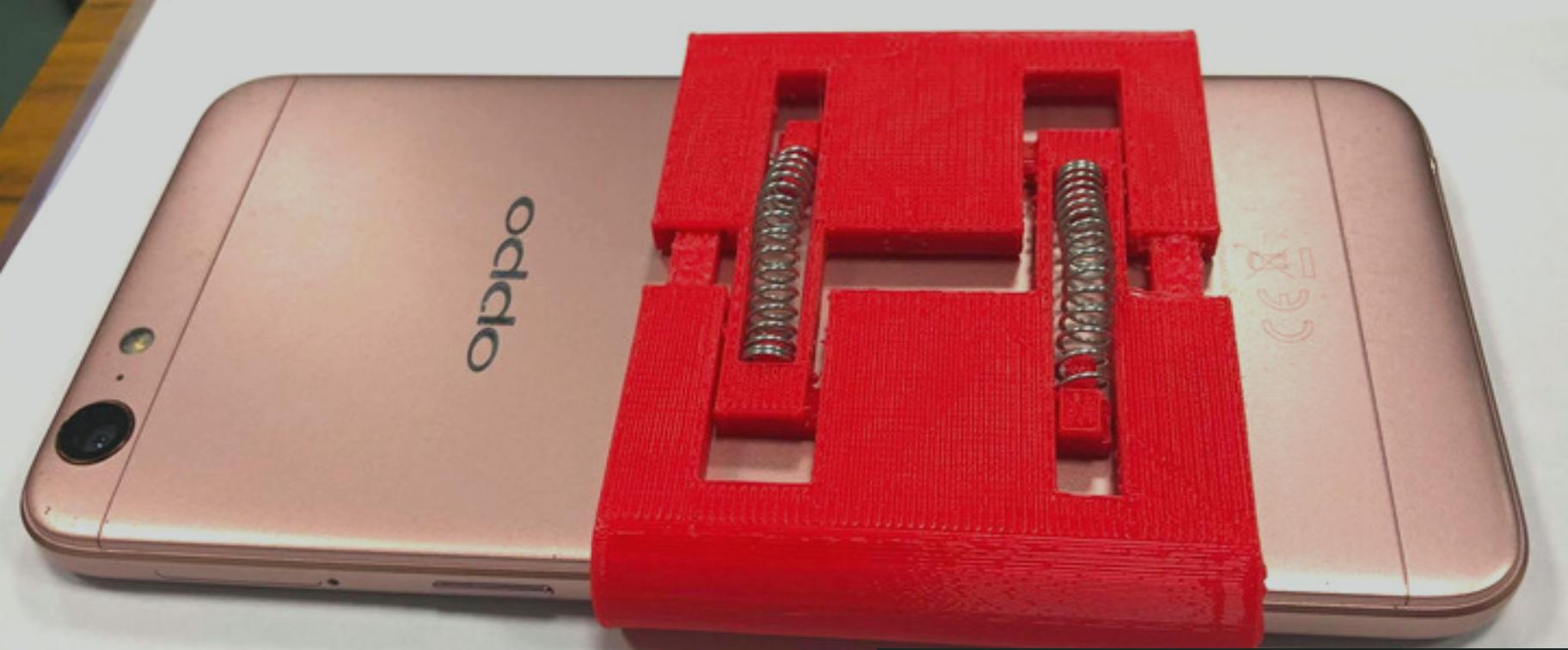
MANUFACTURING

LASER CUTTING

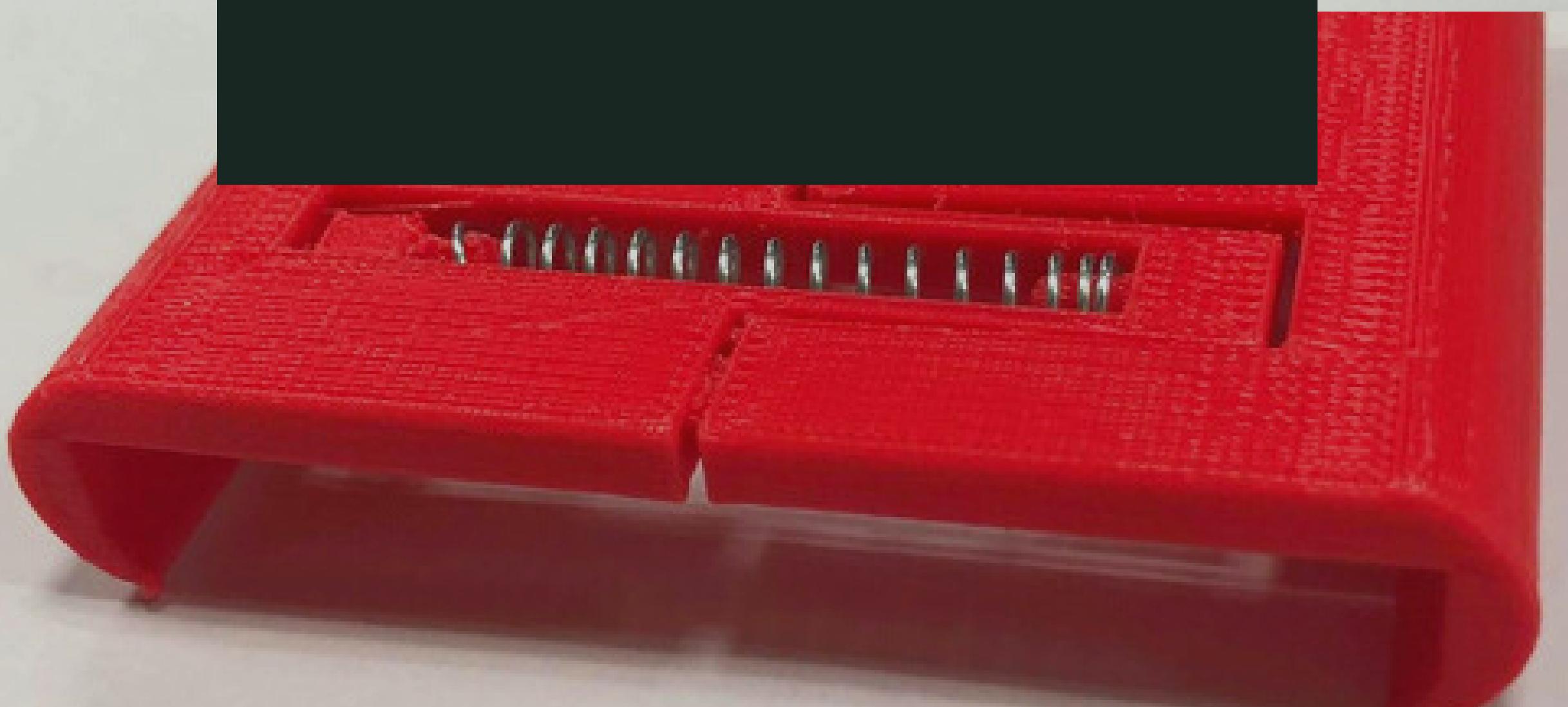
...

# FINAL RESULT





apple & oppo 都適用





Initial Idea



Finished product

THANKS FOR LISTENING

李軍

台灣大學體育系  
107  
二級男子籃球賽

季軍

季軍

台灣大學體育室贈

107  
學年度台大盃  
二級男子籃球賽

