

Project of "Egg Dishes for Everyone"



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Introduction



OUR IDEAL
"A world where everyone enjoys serving a meal"

process of cooking

enjoy trying by themselves

even enjoy failure

Target Person:
1 people who cannot use one hand
2 children

Features of available hand

- can grab stuff
- can't move wrist well
- can't move fingers much

How to • Results • Analysis

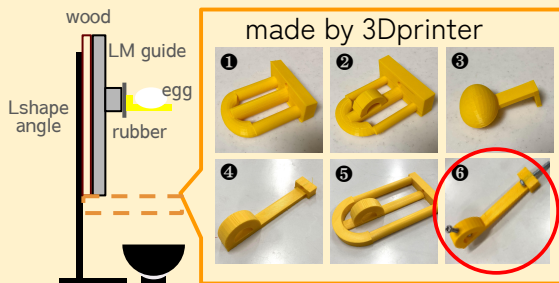
A Person Who Cannot Use One Hand

Difficulties

cracked eggs with one hand

- ① sometimes eggshells are mixed in
- ② hands get dirty
- ③ force changes every time

Device Shape



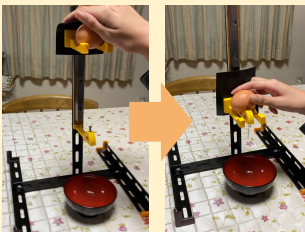
Outlook 1



1. Drop egg to right position by using LM guide.
2. Make crack by hitting with protrusion.
3. Push egg on protrusion to drop contents.

Feedback from User

- able to divide content from shell
- too heavy to carry
- needs a big force
- difficult to clean machine
- problem for hygiene



Expand Range of Target User

A Person Who Cannot Use One Hand + Children

Adjusting Egg Cracker

Expt.1 Angle to Crack Egg → **45°**

Expt.2 Depth at which Egg is Inserted

	5mm	10mm	15mm	20mm
yolk	—	—	cracked	not cracked
shell	—	—	not mixed in	not mixed in

just a hole

Expt.3 Shape of Egg Cracker

	15°	30°	45°
yolk	not cracked	not cracked	cracked
shell	not mixed in	not mixed in	not mixed in

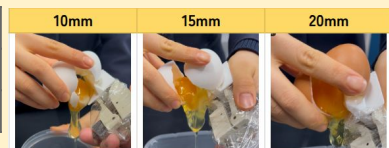


straight line

wide range minute grains

Expt.4 Depth at which Egg is Inserted

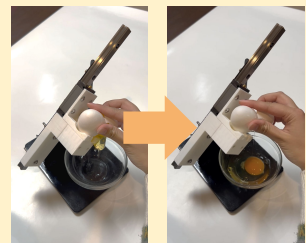
	10mm	15mm	20mm
yolk	not cracked	cracked	cracked
shell	not mixed in	not mixed in	not mixed in



Outlook 2

Feedback

- able to divide content from shell
- yolk doesn't crack
- **removable & washable**
- space-saving
- a little bit heavy



Future



Acknowledgements

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- **29 eggs !**