

MOLLIFY FLUFFY

Interactive device for emotional soothing

People are always plagued by negative emotions, and how to deal with them properly has become an important issue. The device detects negative emotions and reminds users in time through emotion detection, and uses plush decorations and mechanical structures to interact with users to achieve the effect of soothing emotions.

<https://youtube.com/shorts/I9TDmPIjg-4?si=3vU8GVIXXbYKcf1E>

Emotional soothing

Interactive devices

Mood monitoring

BACKGROUND

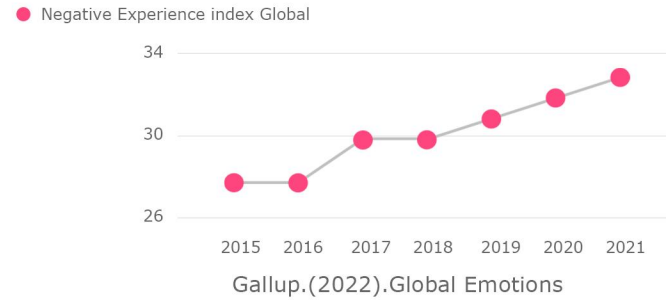
My experience



I am a person who is often self-depleting, and I will turn some negative emotions into pressure to force myself, resulting in emotional breakdowns and hurting relatives and friends, so I began to think about how to properly channel negative emotions when people are facing the invasion of negative emotions.

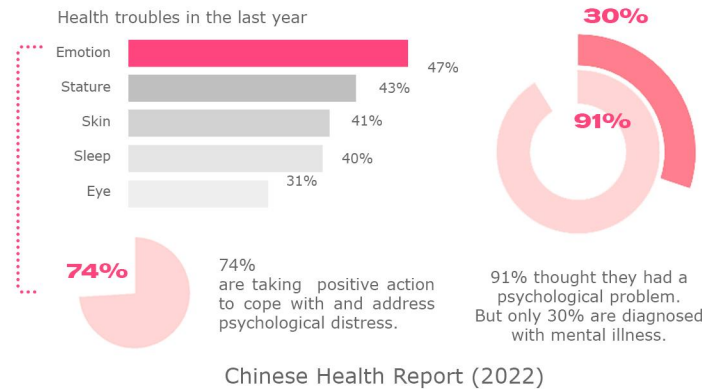
The global rise of negative emotions

At the end of 2021, people everywhere felt less optimistic and happy about the future, the world as a whole declares less individual happiness.

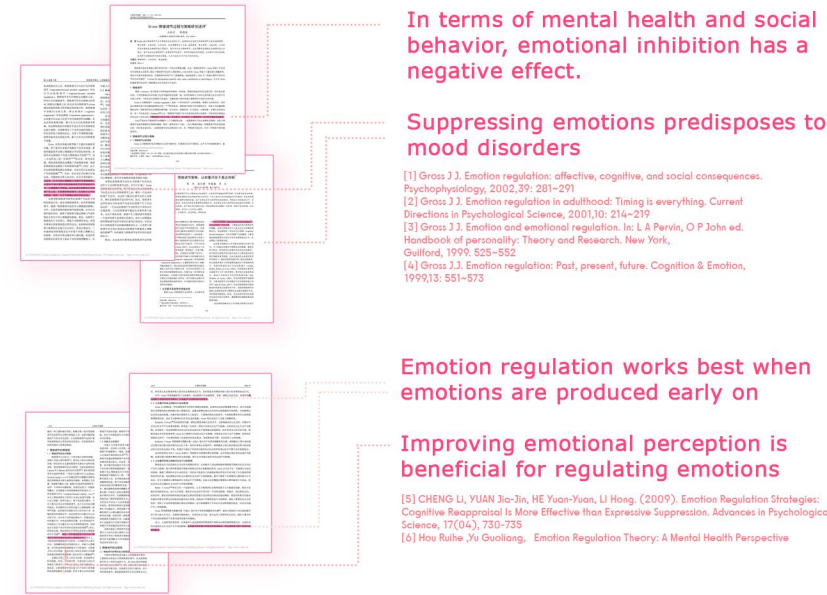


Take mental health issues seriously

Emotional problems have been the most worrying health problem for Chinese for several years.



Negative emotions affect health



Losing control of your emotions can lead to irrational behavior

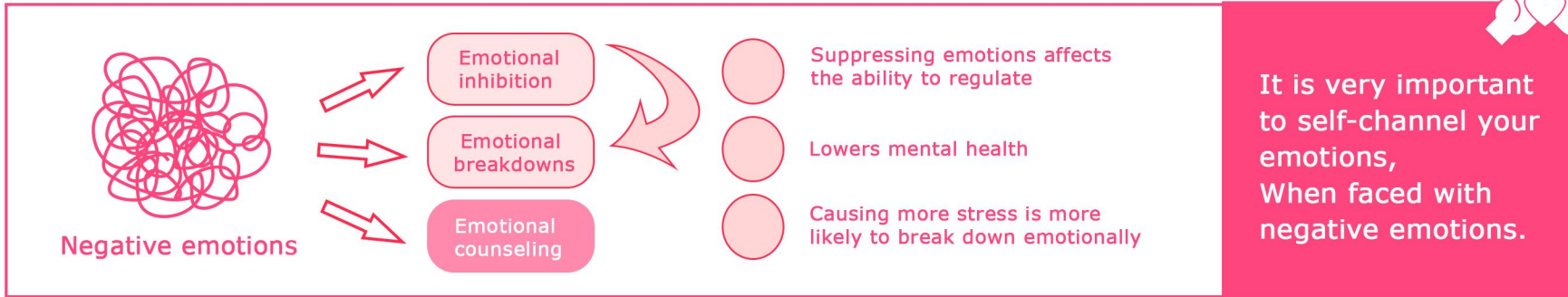
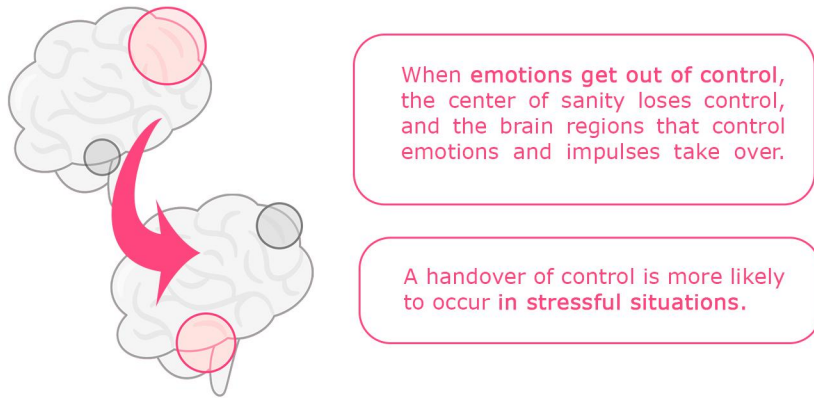
Areas of the brain about emotion regulation

Prefrontal Coetex: Rational center

Responsible for high-level cognitive functions such as logical thinking, decision-making

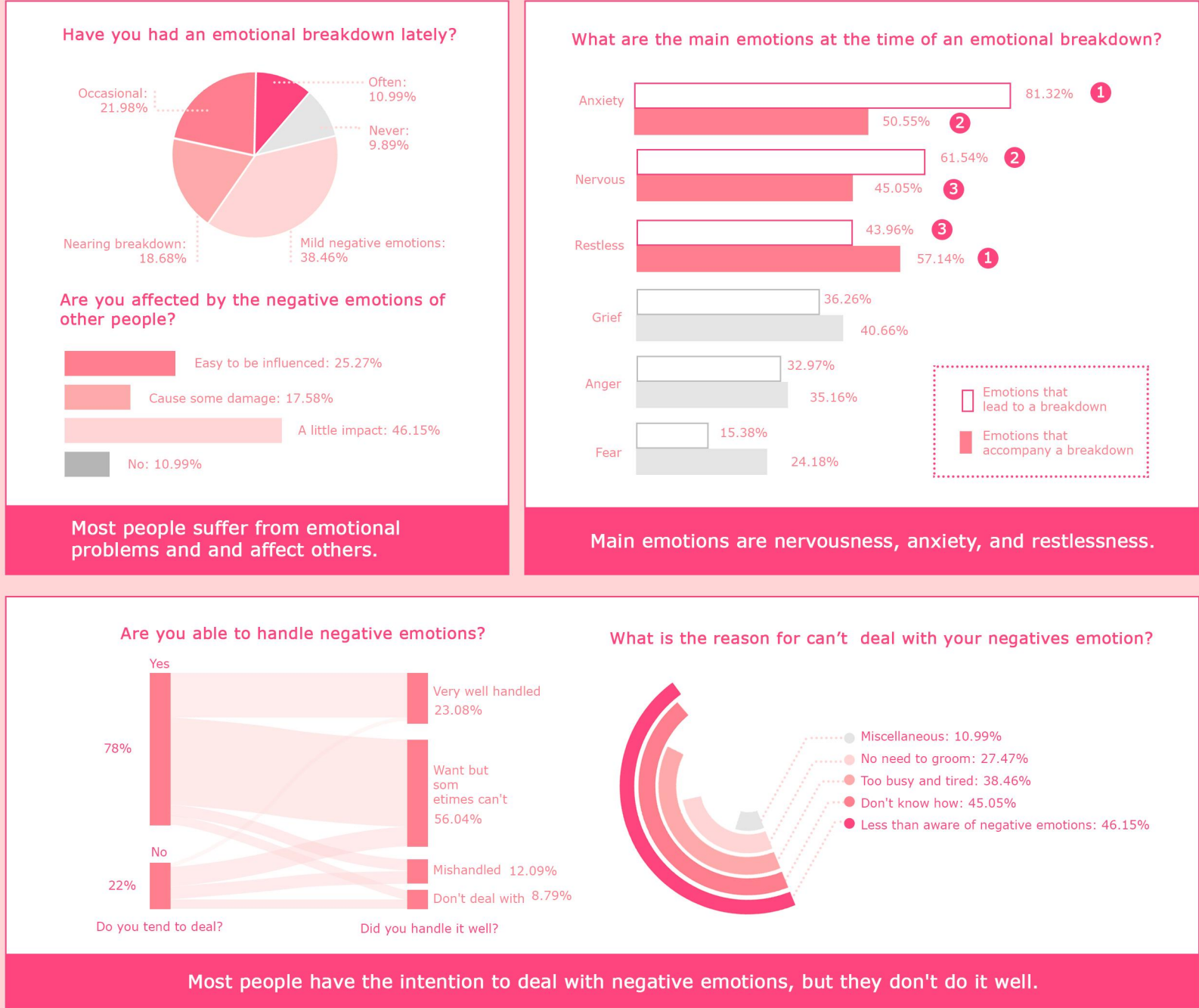
Amygdala: Emotion Center

It is a key brain region that produces, recognizes, and regulates emotions



QUESTIONNAIRE

A number of questions were formulated based on emotional regulation, and 90 questionnaire results were received



INTERVIEW



Yang yimeng
22, Female, Student

When it comes to security, you feel?
Sleeping, bedding, comforting, touching small animals.
Do you realize you're angry when you're angry?
To a certain extent, I don't feel angry, and endure it.
What are the ways to relieve emotions?
Alone to play the game.



Xiao yu
19, Male, Student

What is usually the cause of your emotional breakdown?
Anxiety, fear, insecurity, confusion about the future
Do you realize you're angry when you're angry?
To a certain extent, I don't feel angry, and endure it.
What are the ways to relieve emotions?
Alone to play the game.



Yu zichen
22, Female, Student

When it comes to security, you feel?
Sleeping, bedding, comforting, touching small animals.
Do you realize you're angry when you're angry?
To a certain extent, I don't feel angry, and endure it.
What are the ways to relieve emotions?
Alone to play the game.

Sometimes there is no one around to help.
Expect physical contact and comfort.
I don't want to hurt my relatives and friends.

DESIGN CONCEPT

By monitoring user emotions,
timely reminders and soothing negative emotions.

Emotion Detection

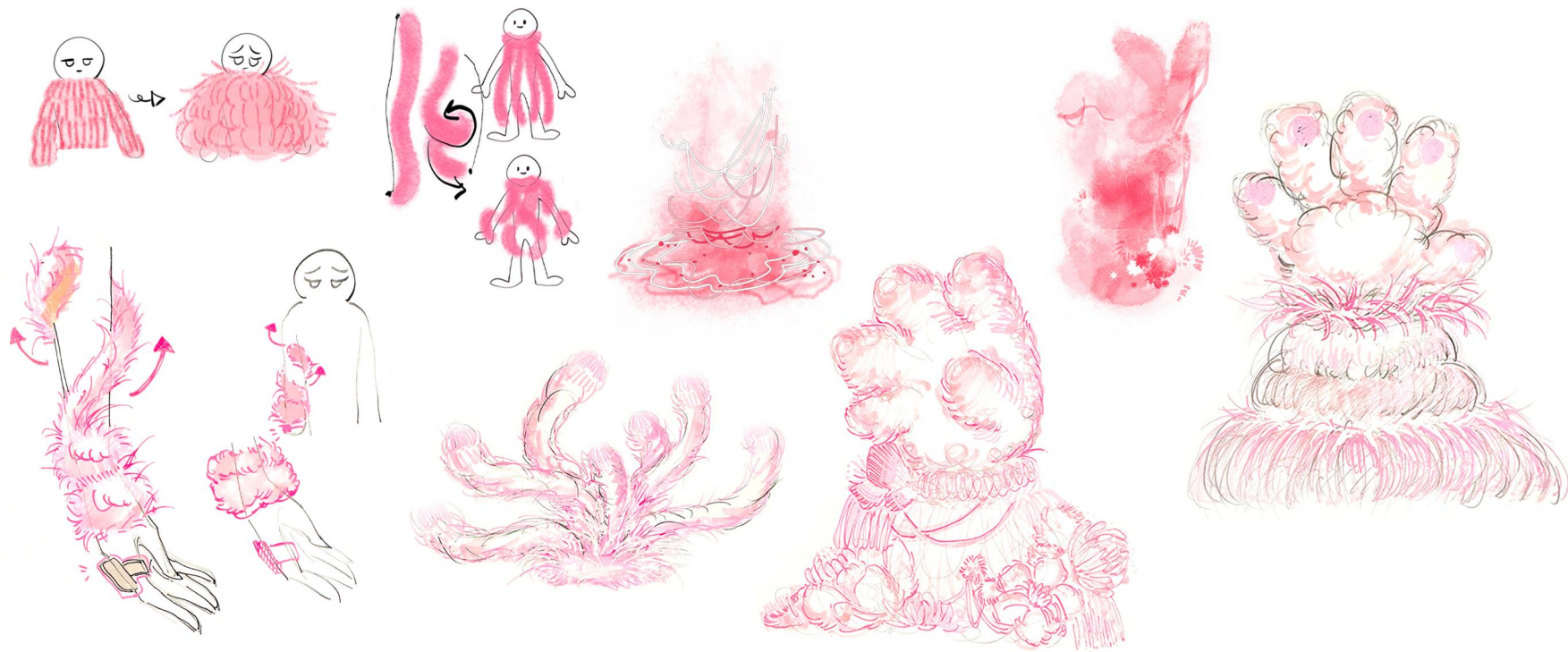
Warm and Security

Stress Relief

INSPIRATION



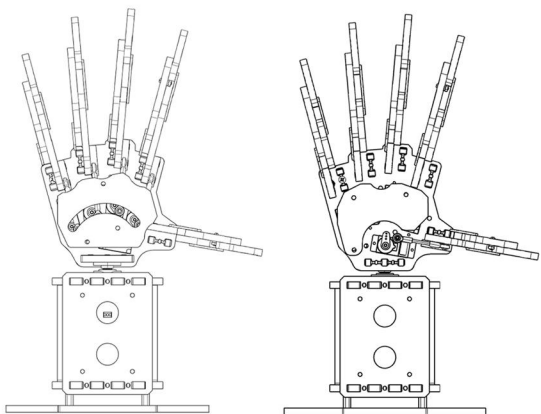
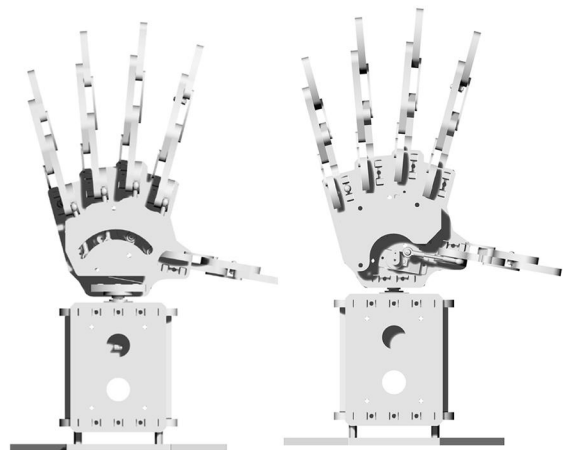
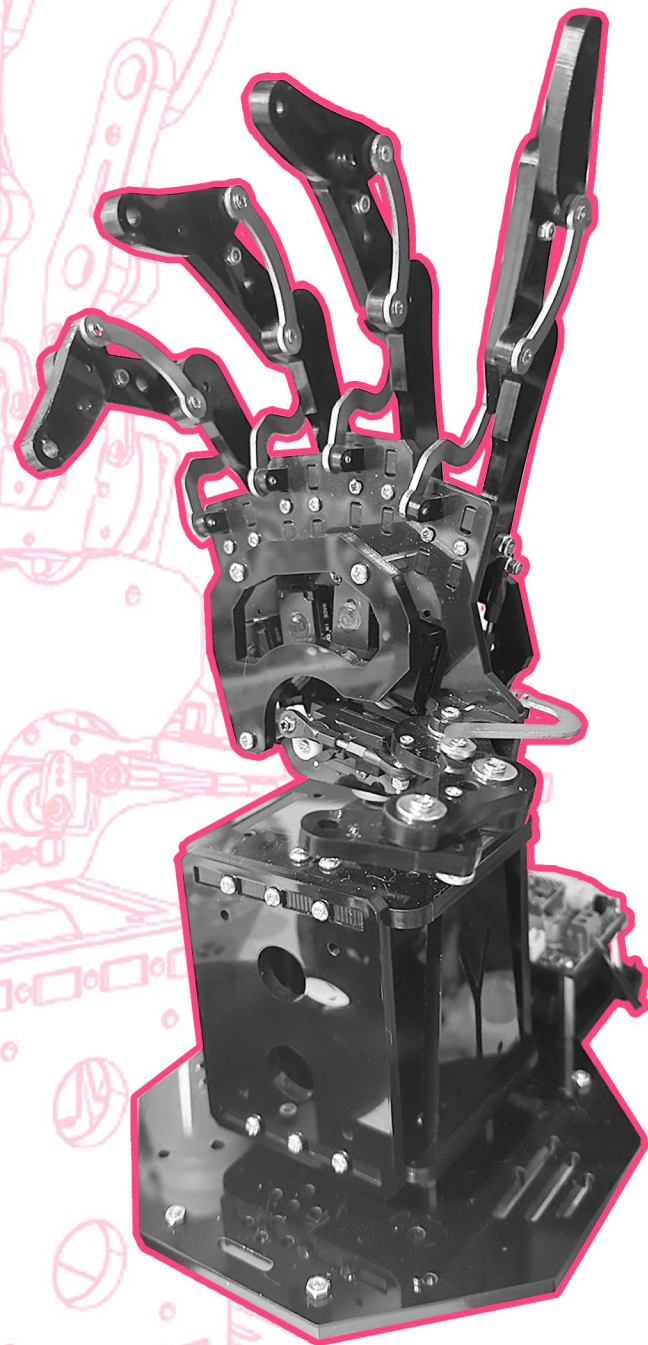
SKETCH



STORY BOARD

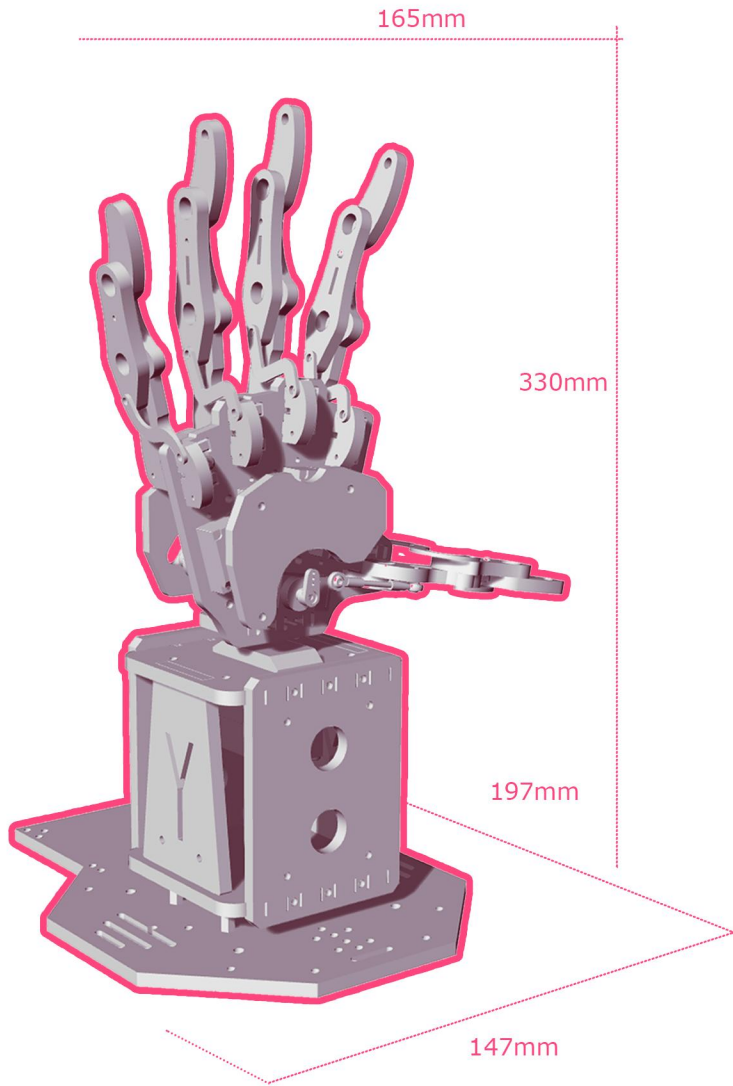


STRUCTURE



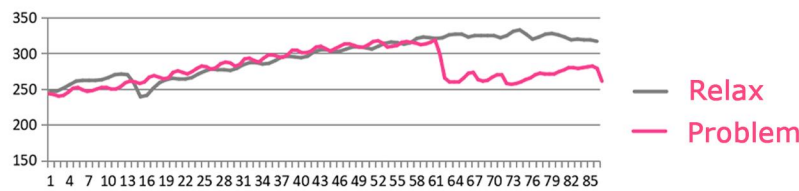
Size: 147*197*330 mm
Material: metal, acrylic sheet

The device as a whole uses a manipulator as a power device to imitate human comforting actions, such as stroking, handshake, etc

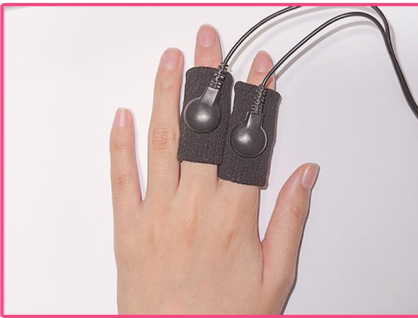


MONITORING DEVICES

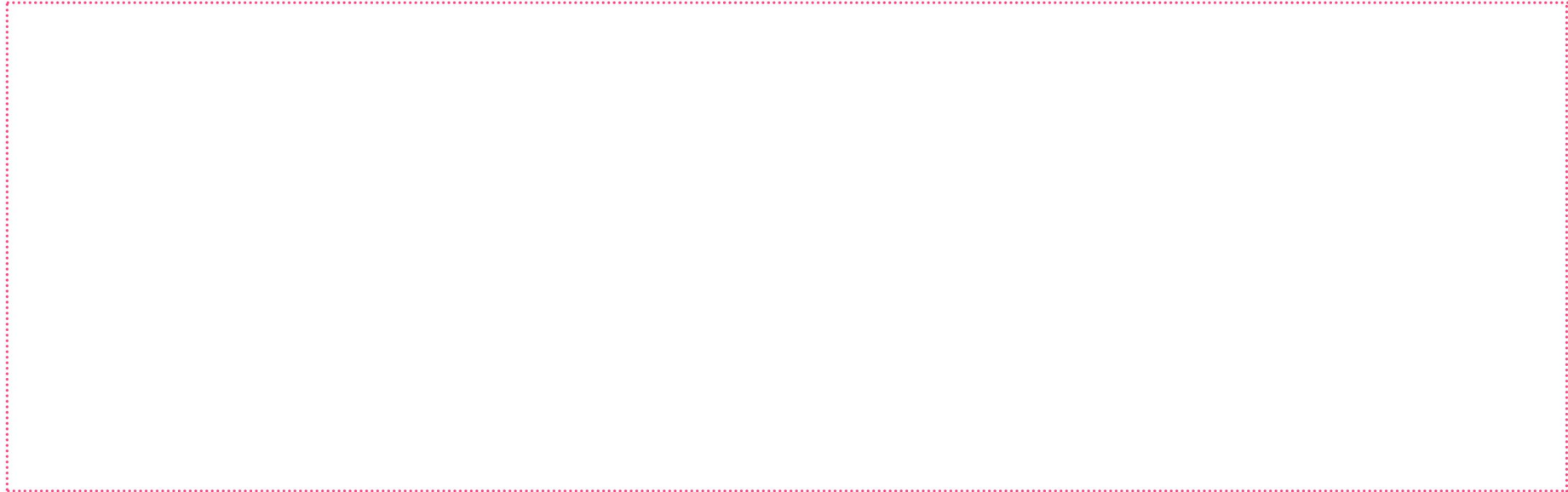
Electrical signals from skin



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CODE

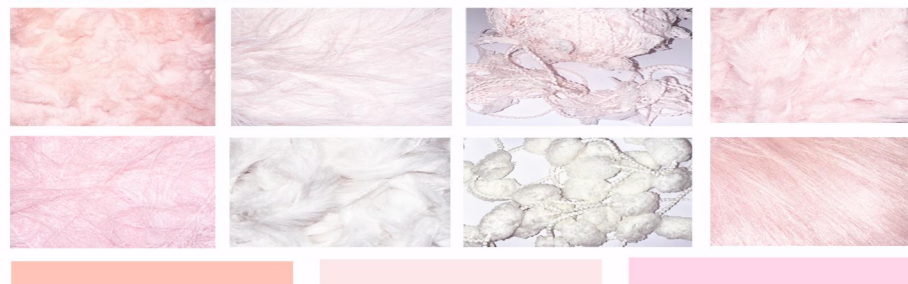


MATERIAL

Sifting and experimenting with a variety of materials



Decorative materials



Choose from a variety of fabrics and threads with different material effects to achieve a soft and warm feeling.

Filler materialL

Melamine Foam
It has excellent sound absorption, flame retardancy, and heat insulation.



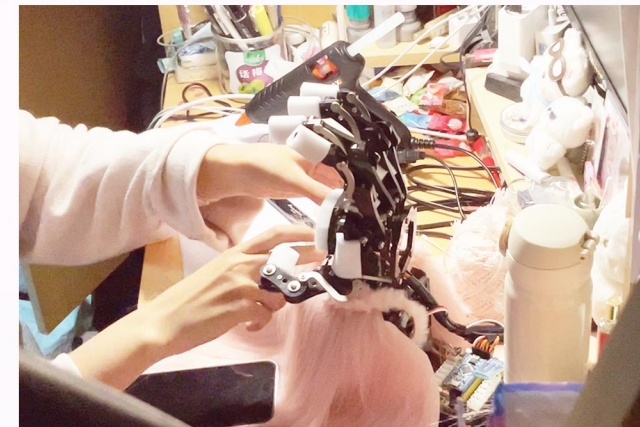
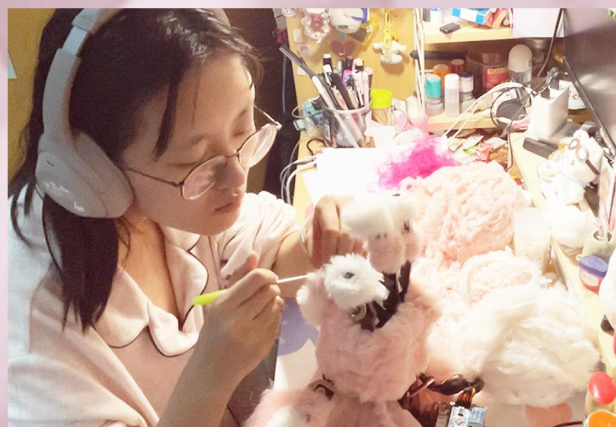
PROCESS



Start by covering areas that the user may touch with a filler material to achieve a soft touch.

Secondly, a variety of fabrics and silk threads are then used to wrap and cover the mechanical joints. At the same time, the activity of the manipulator is ensured.

Finally, decorative installations.





MOLLIFY FLUFFY

Type: Interactive installation

Year of creation: 2023.11

Personal works

Size of the work: xx*xx*xx mm

Video length: xx*xx*xx mm

Materials: Melamine Foam, Polyester, Chemical

Introduction:

This work simulates the soothing behavior of people to achieve the effect of emotional channeling. The device is composed of three parts: monitoring module, reminder module and reassurance module. Through the combination of mechanical structure and weaving design, from the user's point of view, the user's negative emotions are reasonably alleviated and channeled.

DETAILS



INTERACTION



Electrical signals are collected through the electrodermal detection device worn on the hand, and when it is judged that the user is in a negative mood, the LED light flashes and the manipulator dances, reminding and attracting the user. Users can interact with the manipulator in a variety of interactive ways.

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Stuck in emotional problems



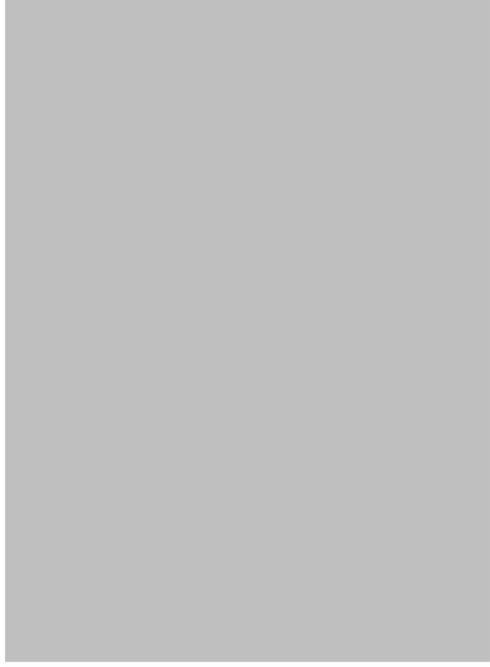
User sentiment issues detected



Alert the user



Users come to interact



Ways to interact

