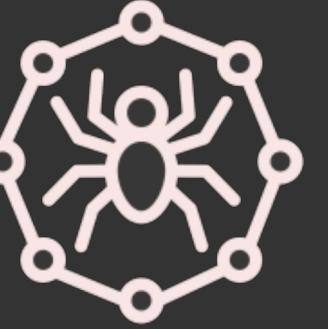


I N N O V I C E



furniture scanning device

# INITIAL RESEARCH

- damage waste

## MANUFACTURE



## DESIGN

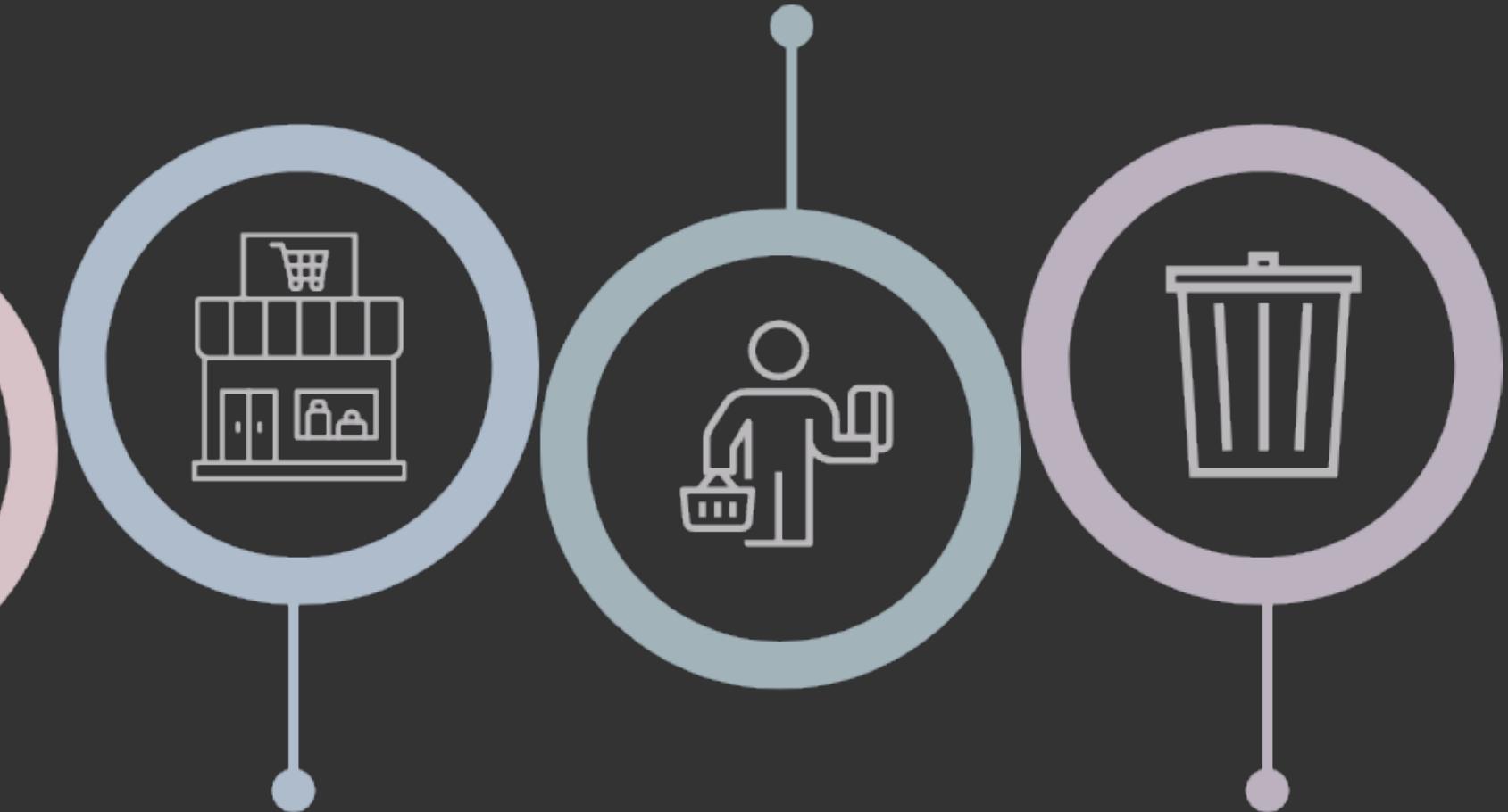
- initial prototyping

60% decide to throw their furniture away instead of donating it.



- difficult to style

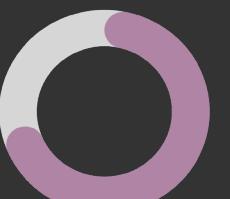
## CONSUMER



## RETAIL

- time wasted on furniture assessment

72% of surveyed users cannot or do not want a repair



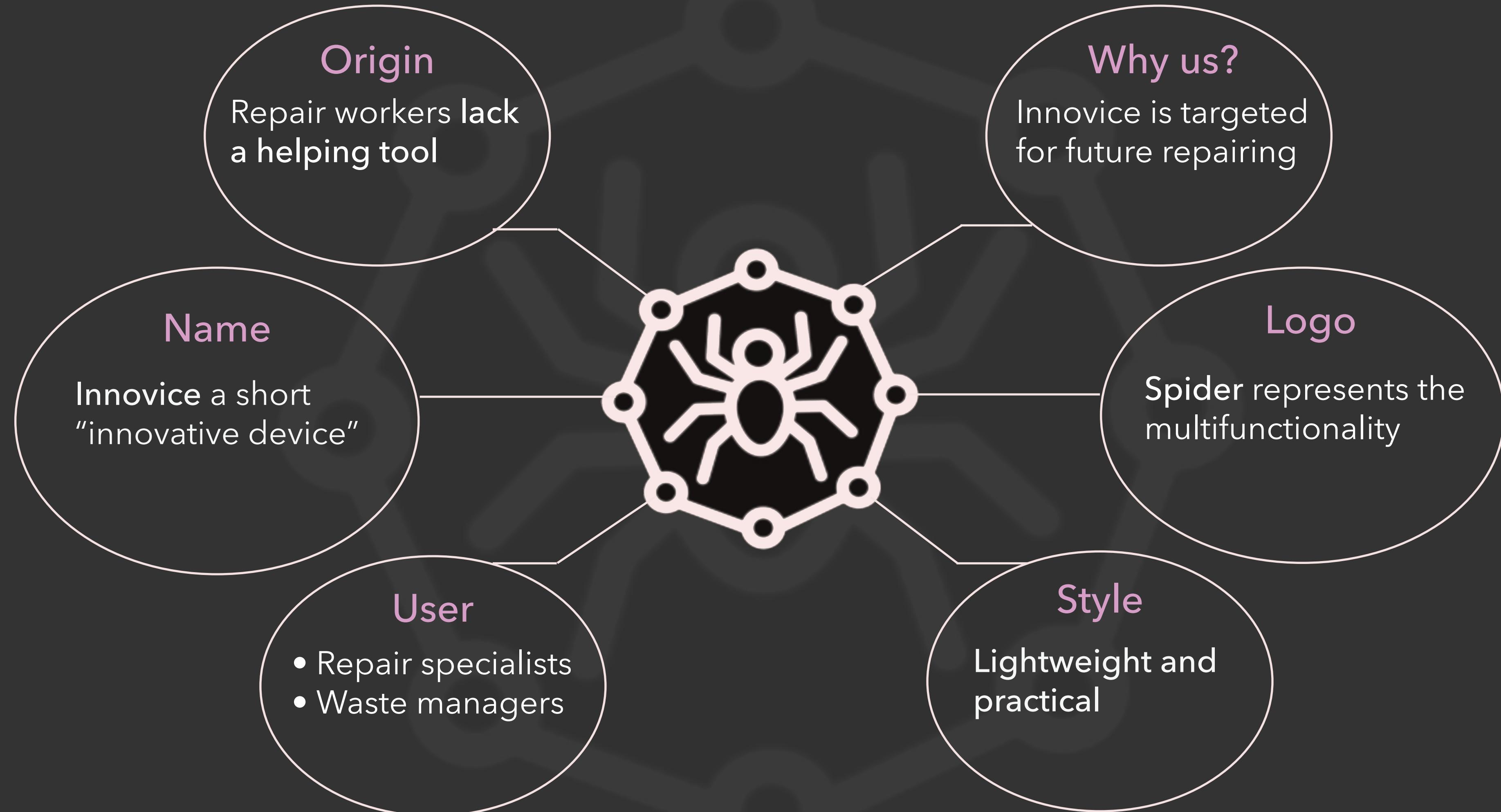
## LANDFILL

- damage can be fixed

49% discard furniture due to limited space

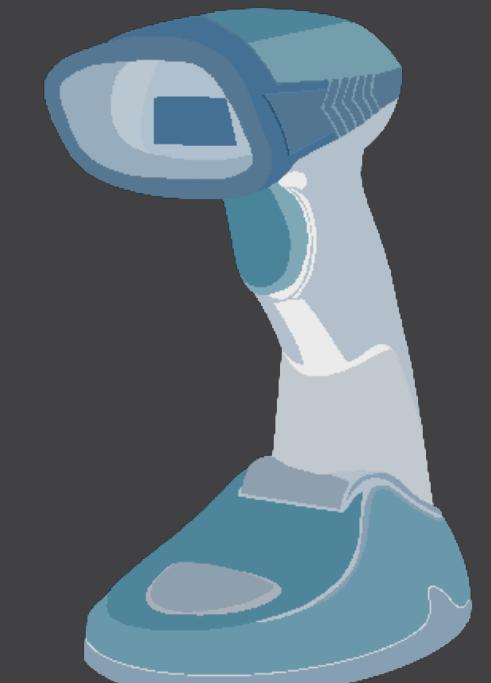


# CONTEXT



# INITIAL IDEATION

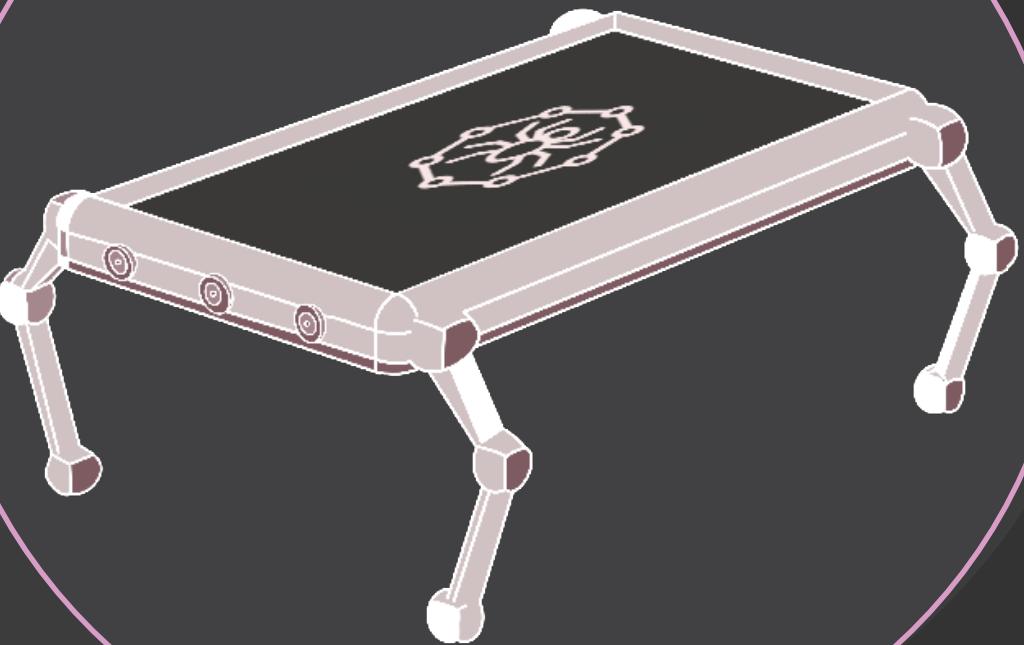
**Scans the furniture**  
that needs to be  
repaired.



Data from the  
scanner is displayed  
by a corresponding  
**app**



An AI mobile  
computer is the most  
effective tool to scan  
and assist repairing  
**furniture waste**.



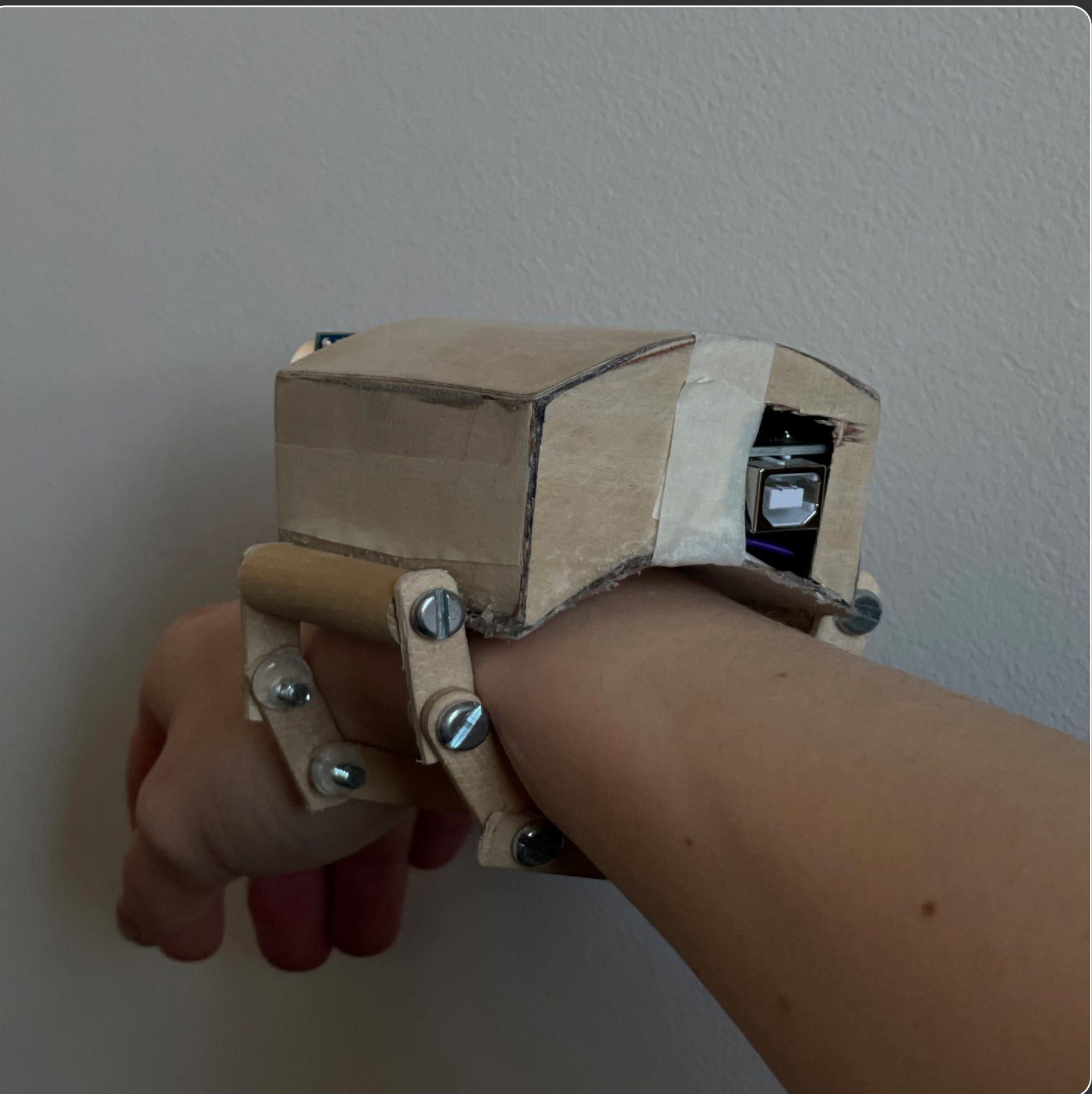
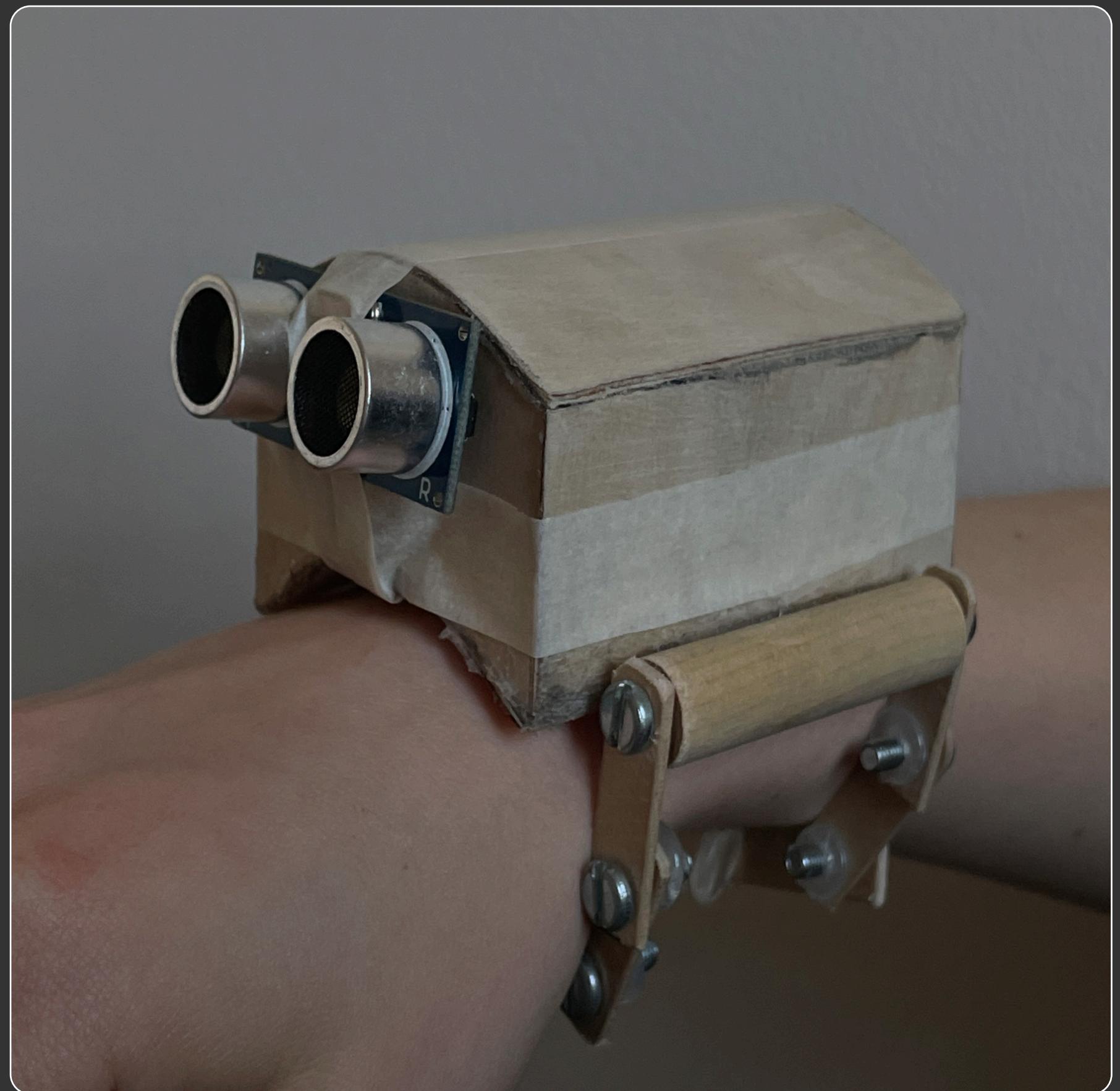
# WORKS-LIKE PROTOTYPE

## Ultrasonic sensor

Sensor calculates  
the distance to the  
object

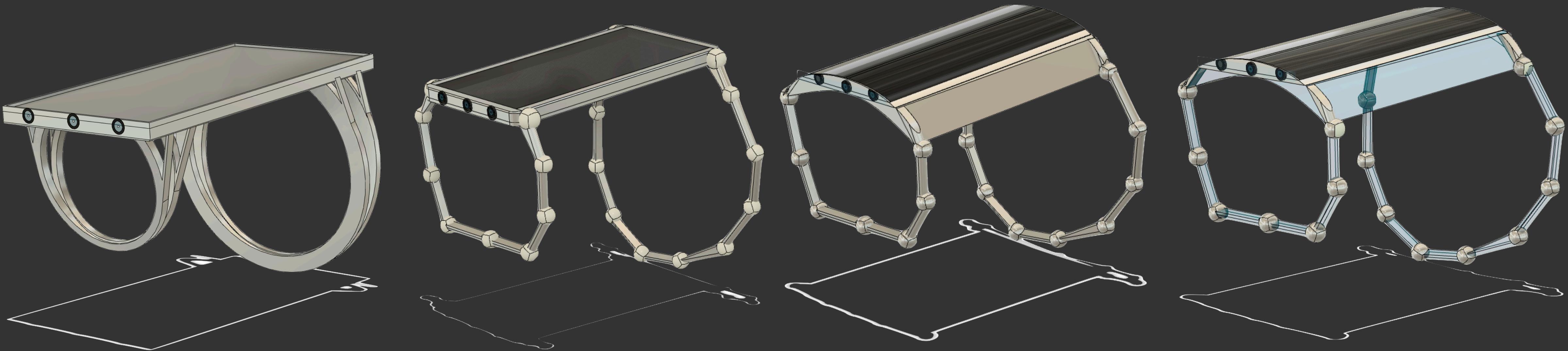
## Multifunctional legs

Joints allow for  
a wide range of  
motion



# LOOKS-LIKE PROTOTYPE

## CAD prototyping stages



- solid wristbands

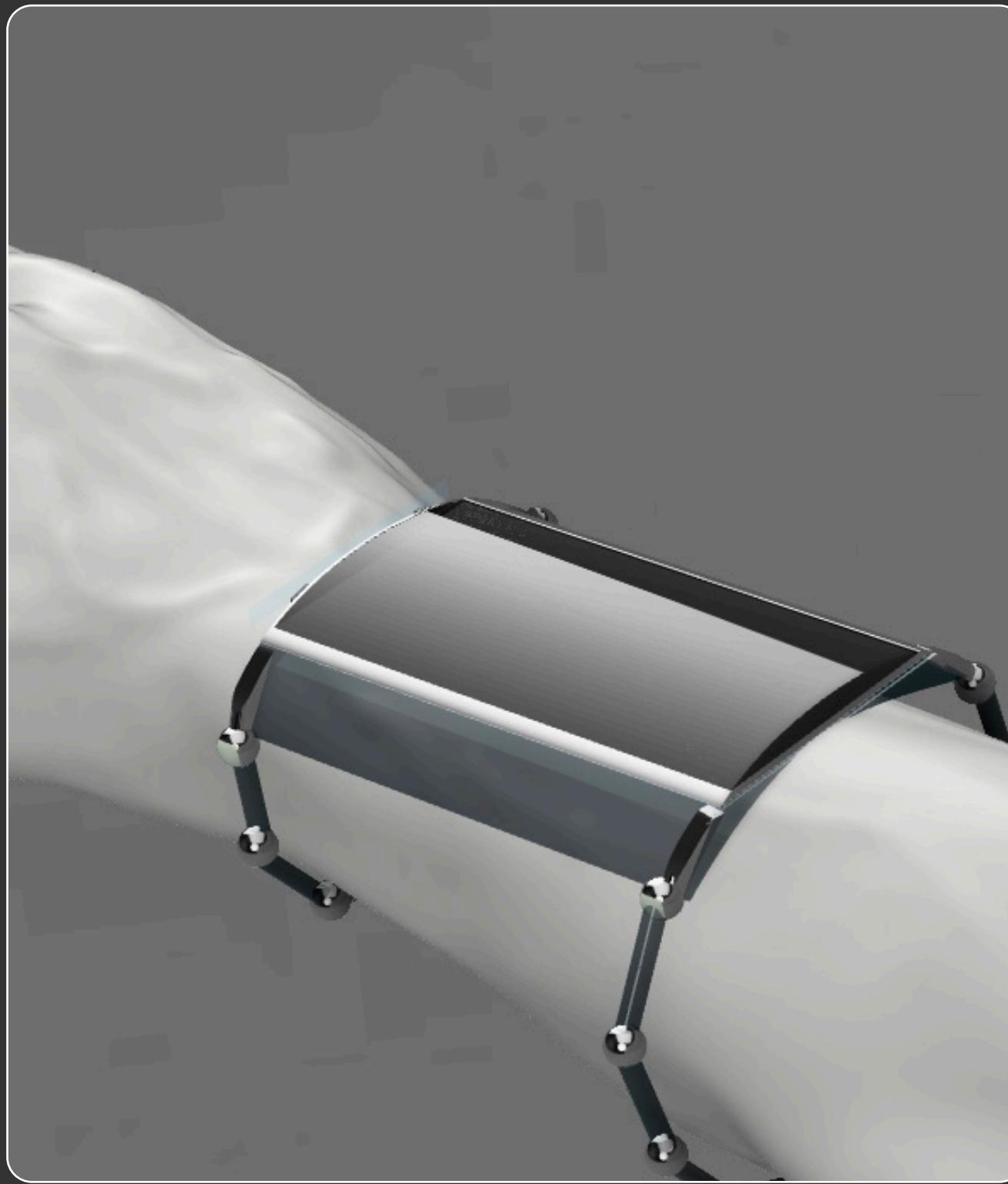
- adding joints

- curved screen

- light material

# LOOKS-LIKE PROTOTYPE

## Physical prototyping



Steel joints, metal base, acrylic inner panel and screen

# CONCEPT VALIDATION

## Design

Suitable to work  
in the workshop  
environment

## Functionality

Assists repair  
managers with  
fixing process

## Comfort

Improves user  
experience with an  
innovative concept

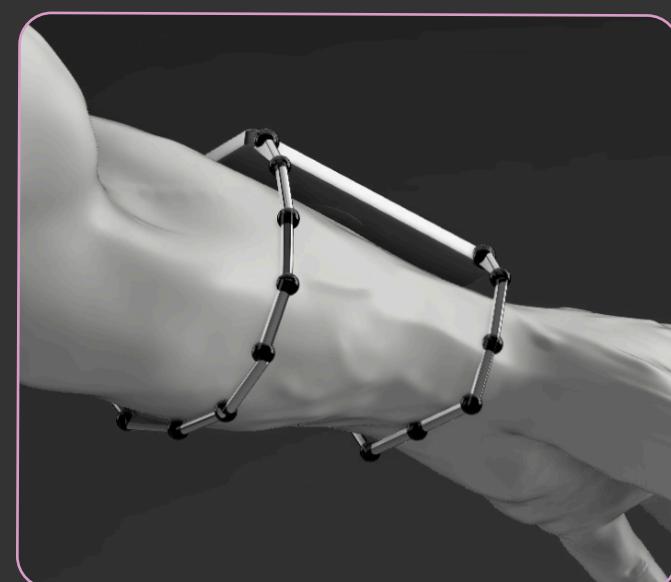
Bent design follows the  
forearm provides safety  
and ergonomics



Scanning softwear  
allows to get high  
quality scan of damage



Wrist-band design is  
lightweight and flexible



# FINAL PRODUCT

