

A woman with a prosthetic running blade is captured in mid-stride on a sandy beach. She is wearing a white sports top, blue and yellow shorts, and sunglasses. The background shows the ocean with waves and a clear blue sky. The prosthetic blade is white and sleek, designed for running.

# Geminus

Alternative prosthetic for running & walking modes



# Problem Scenario

Why there are both running & walking prosthetic legs?

## Use a running prosthetic to walk



- Can not provide enough bounce for running
- Hurt walking prosthetic's durability
- Cause pain from the movement

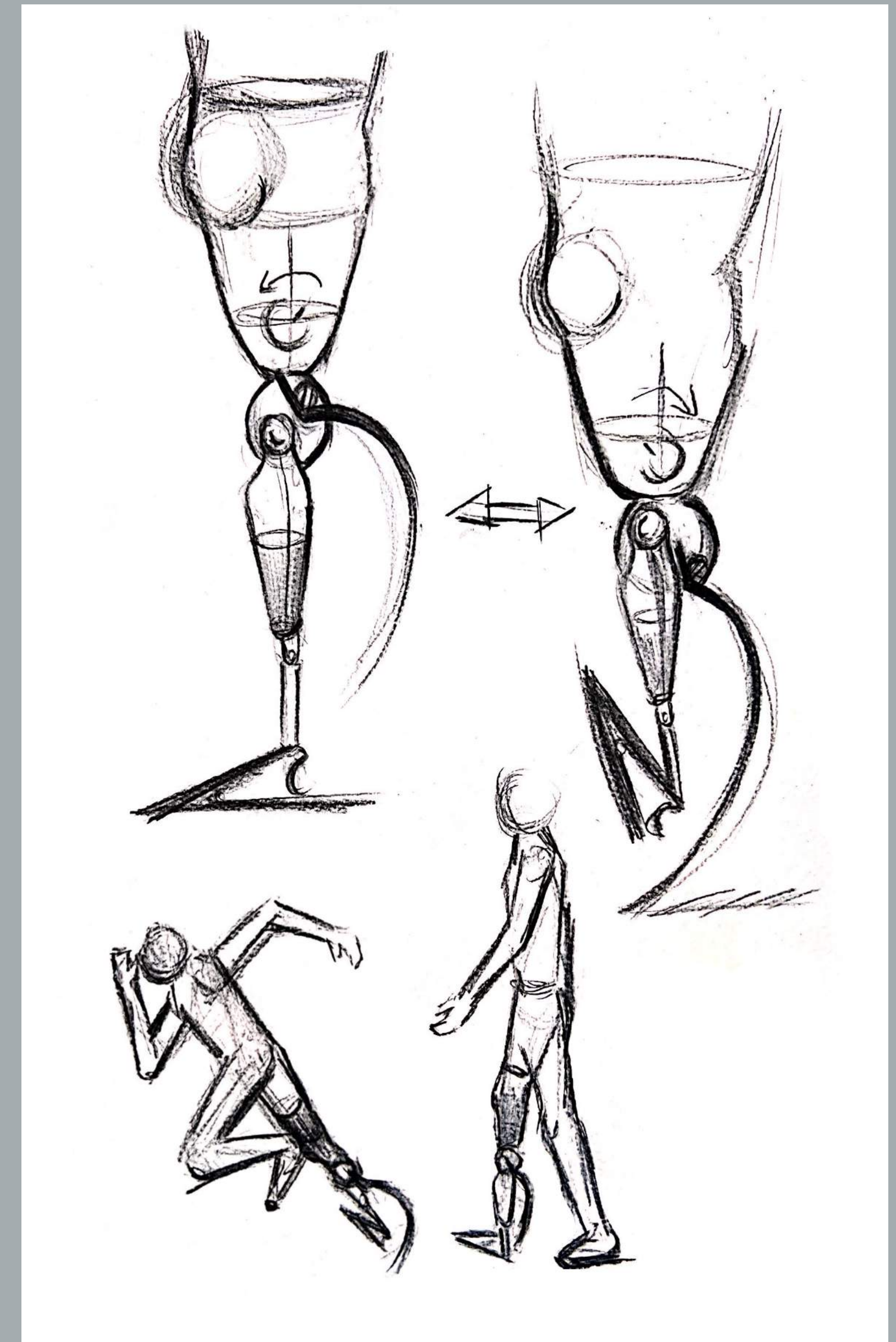
## Use a walking prosthetic to run

- One leg is longer than the other for the space of rebound
- Affect blade's durability
- Inconvenient to change from the walking prosthetic



**What if we only use one prosthetic for both activities?**

**Geminus** is designed to help people with upper extremity amputation quickly alternate between running and walking for daily life, also in case of emergency.

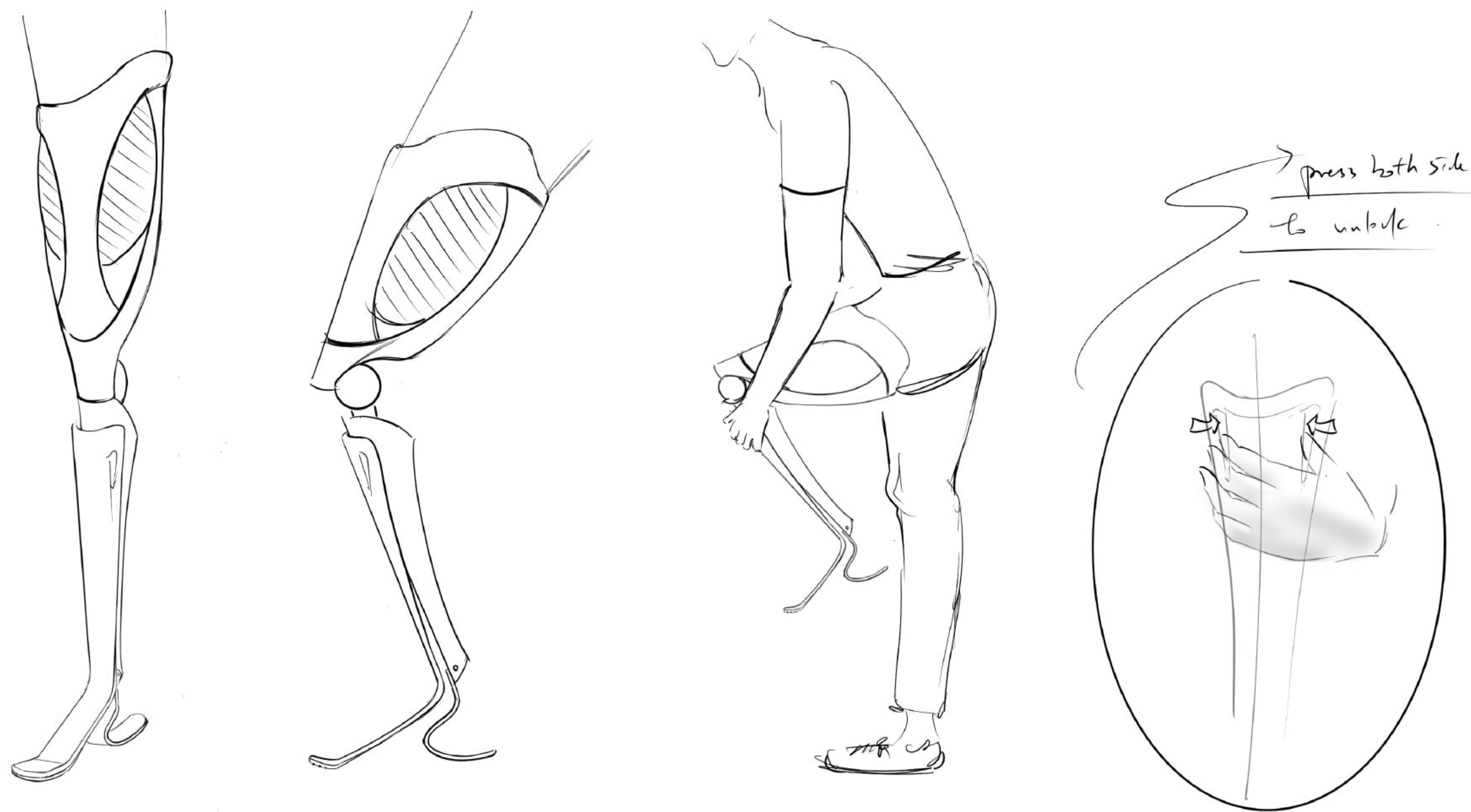




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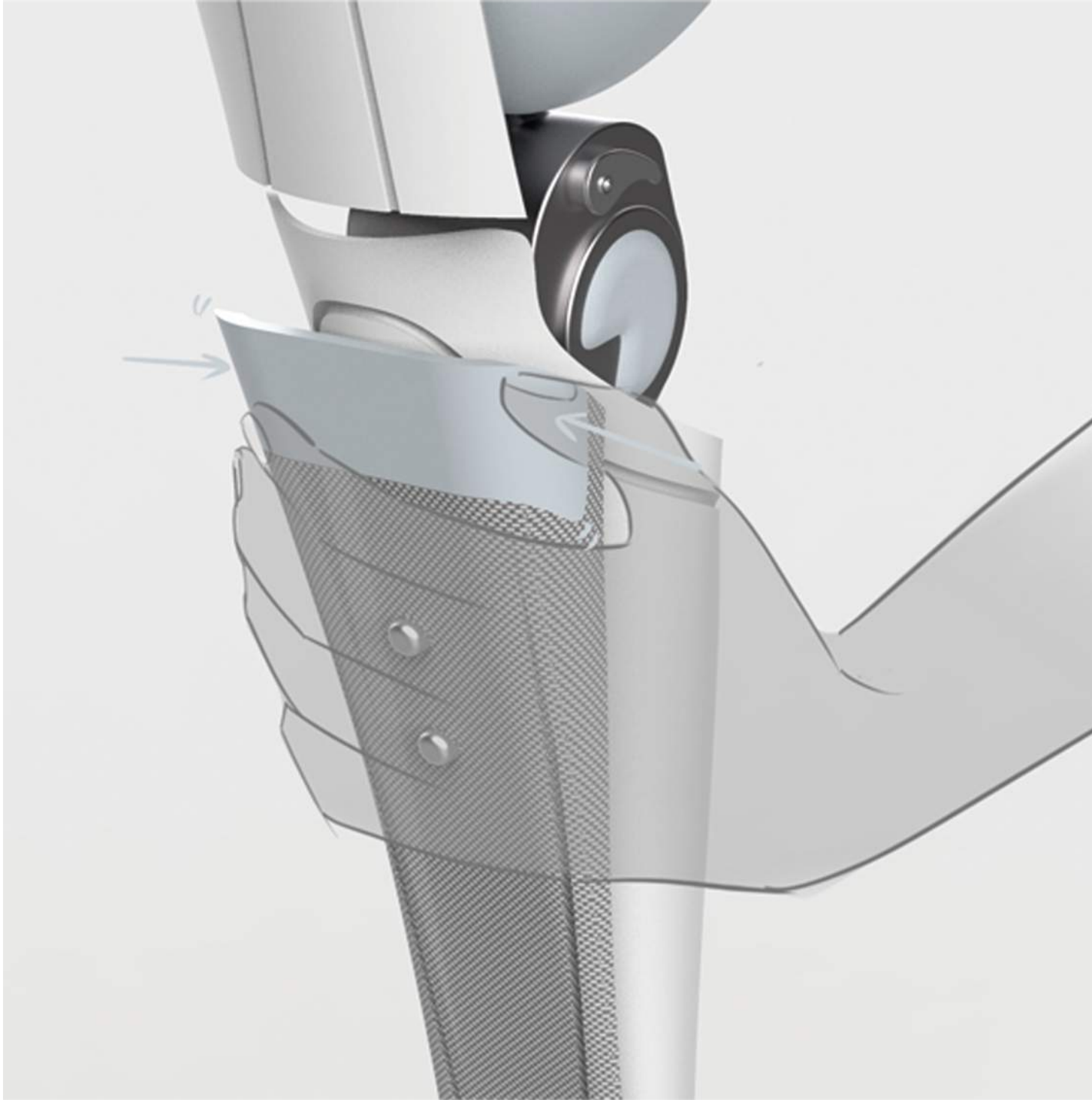


# Interactive Design

The user will need to unlock the blade by pressing down the button to change the modes. By sliding the blade to different positions, the mechanism inside the leg will help prepare the prosthetic.



# Interaction



**Click the button to release the lock**



**Slide the blade down and the feet support will retract**



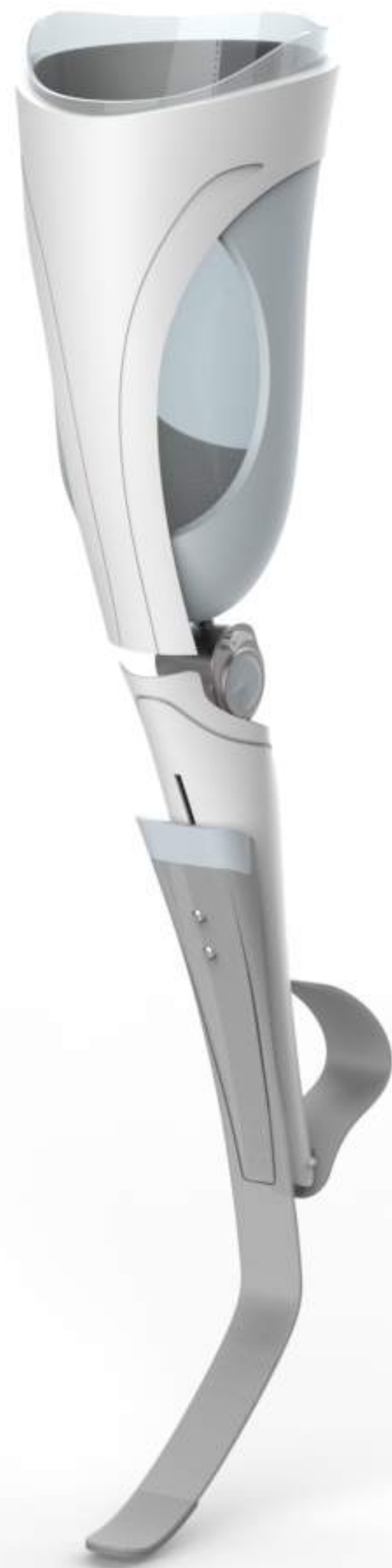
**Running mode ready**



**Walking Mode**



**Running Mode**



**Mechanism**



