

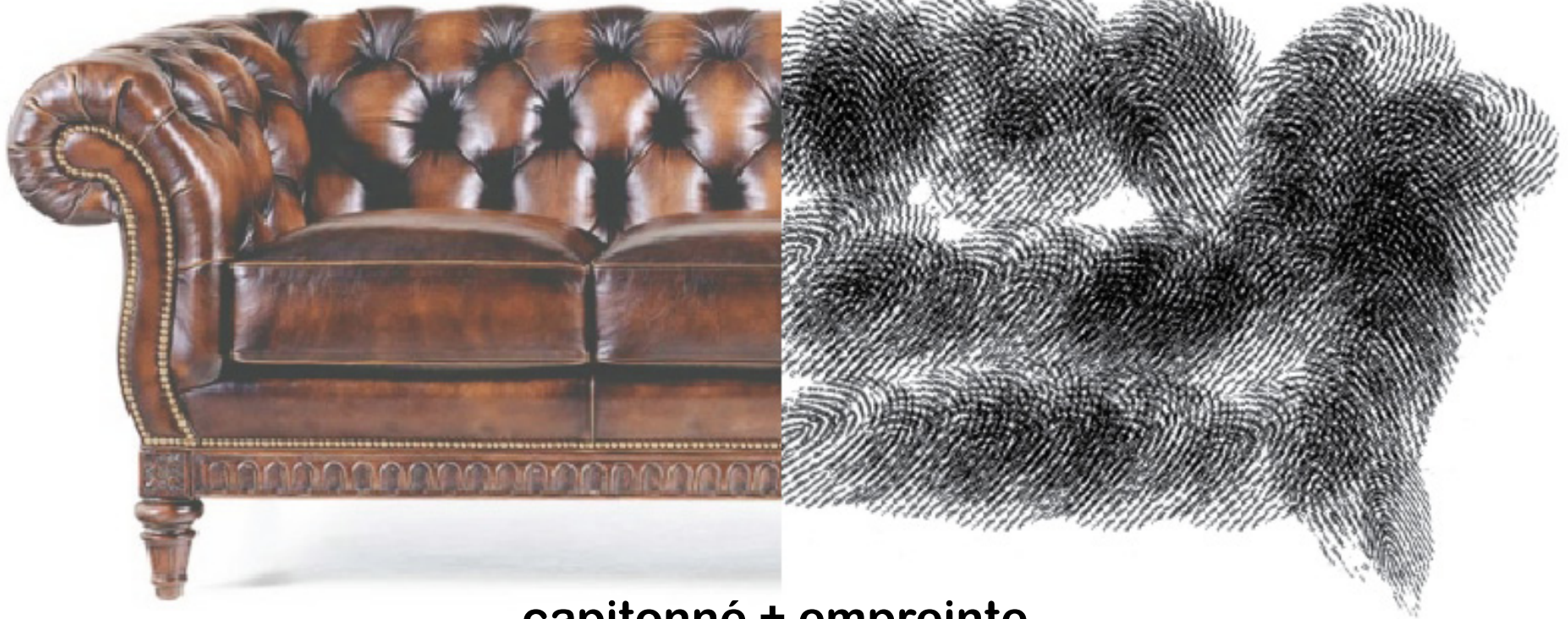


SO - Q

An expressive furniture
surface

hybrid materials: tradition & innovation / dcip ensad
bo pang & j.c.karich

HYBRIDISATION CONCEPT

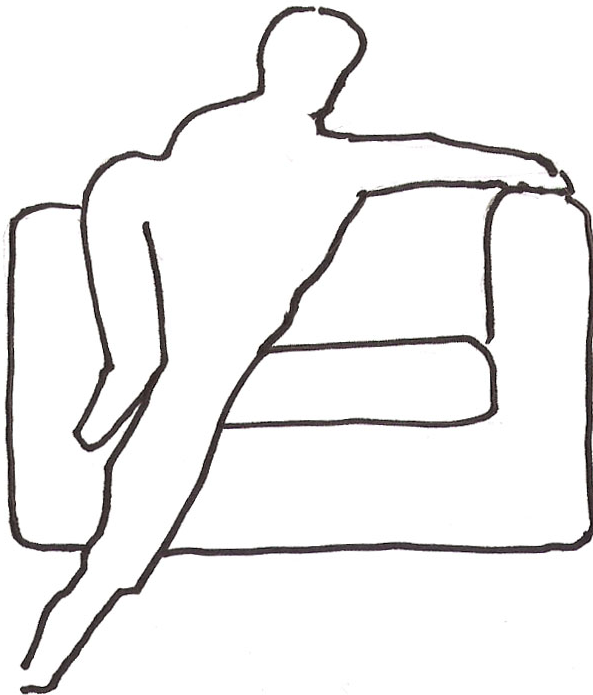


capitonné + empreinte
traditional upholstery + imprint

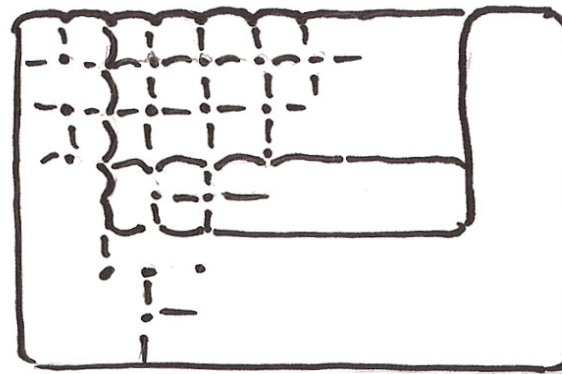


CONTEXT DEFINITION

Le fauteuil prototype réagit au toucher et à la pression, il restitue une empreinte corporelle visible grâce à une surface qui a une mémoire courte. Les situations peuvent être enregistrées pour des périodes courtes.



Cette surface peut être adaptée à d'autres supports et surfaces architecturales, murs et sols. Différentes utilisations pourront informer, divertir et contribuer à accentuer une expérience visuelle et sensorielle.



VIDEO PROTOTYPE

fonctionnement / action / interaction



SCENARIO VIDEO
situations / empreintes





















SYSTEM COMPONENTS

input /output flow



INPUT TOUCH
(a part of the body gets in contact with the furniture surface)

→ Sensor
(textile switch activated by pressure)

→ Processor
(arduino)

→ Actuators
(servo motors)

→ **SENSITIVE OUTPUT**
(The surface changes shape, seating sensation is modified and visual appearance of the furniture morphs)

↑
FEEDBACK
(interpretation from another user)

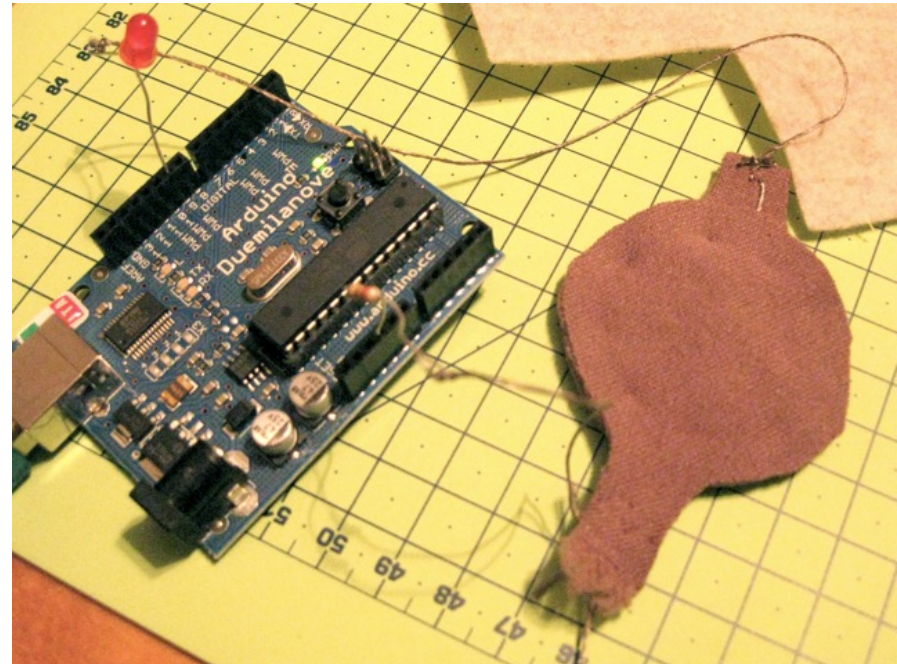
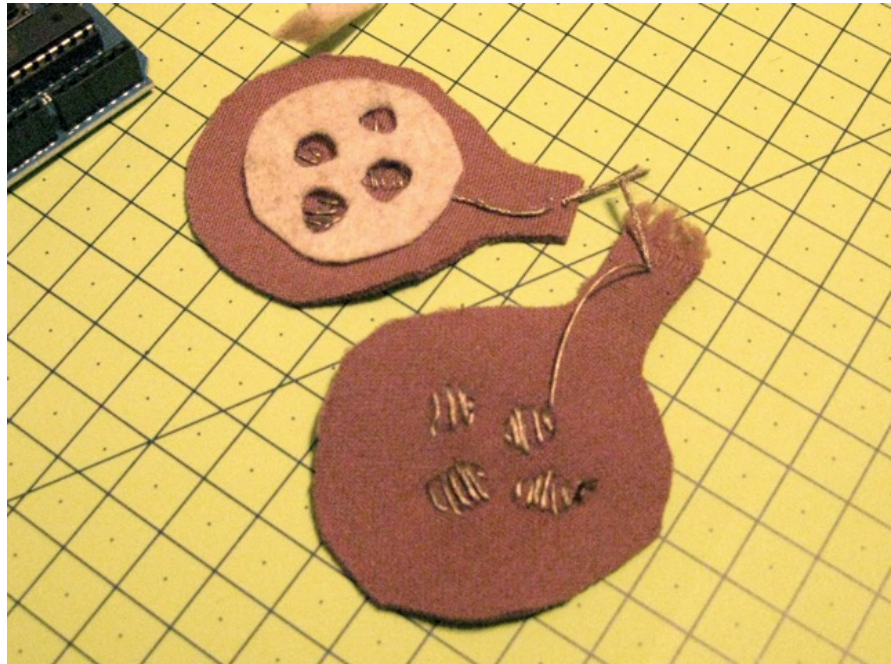
↓
END CYCLE
(the imprint disappears or is replaced by a new one)

Feedback
(empreinte corporelle partielle)



PROTOTYPE TESTS

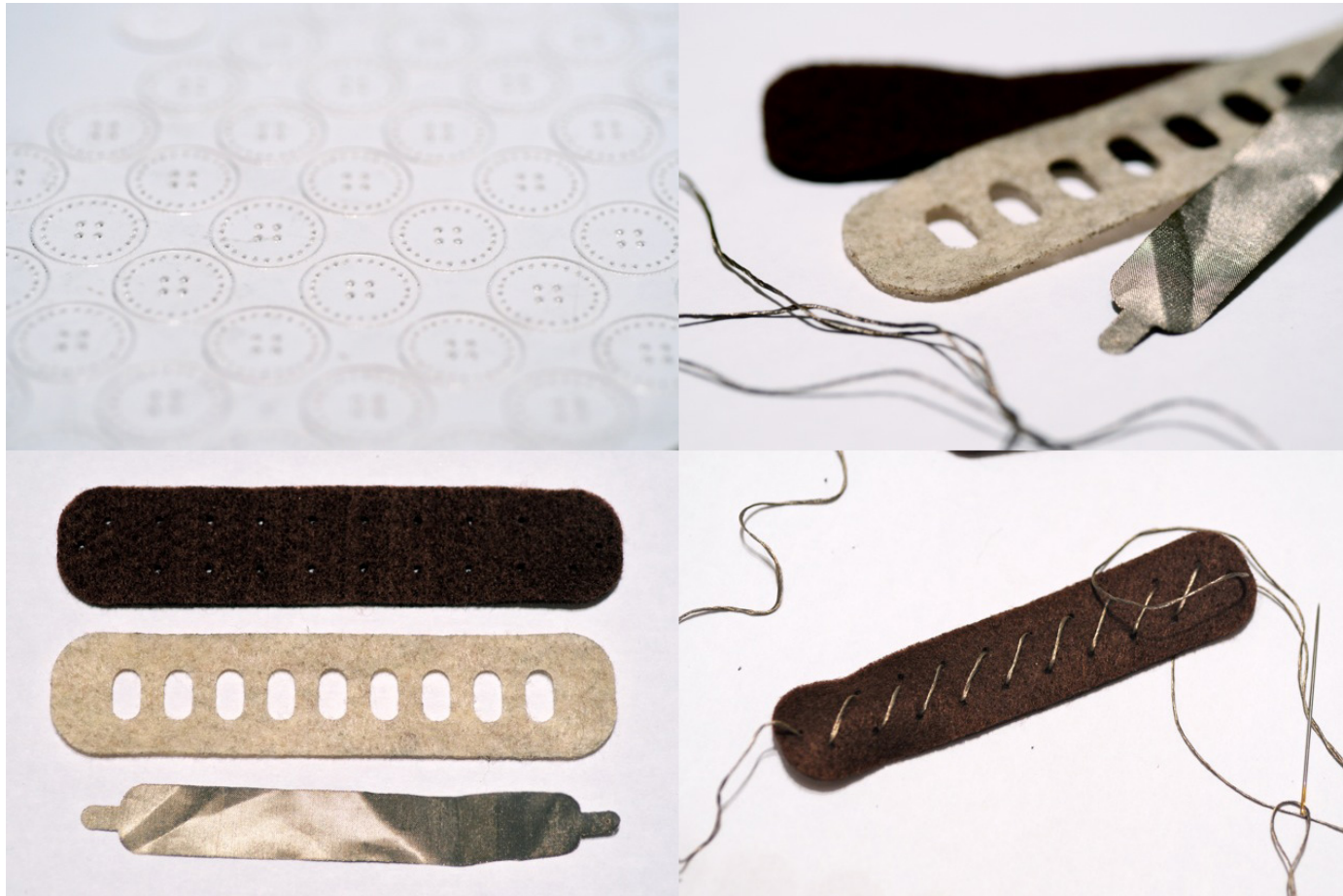
textile switch



Textile button test with led
- spacer fabric +thin felt + conductive
thread

PROTOTYPE TESTS

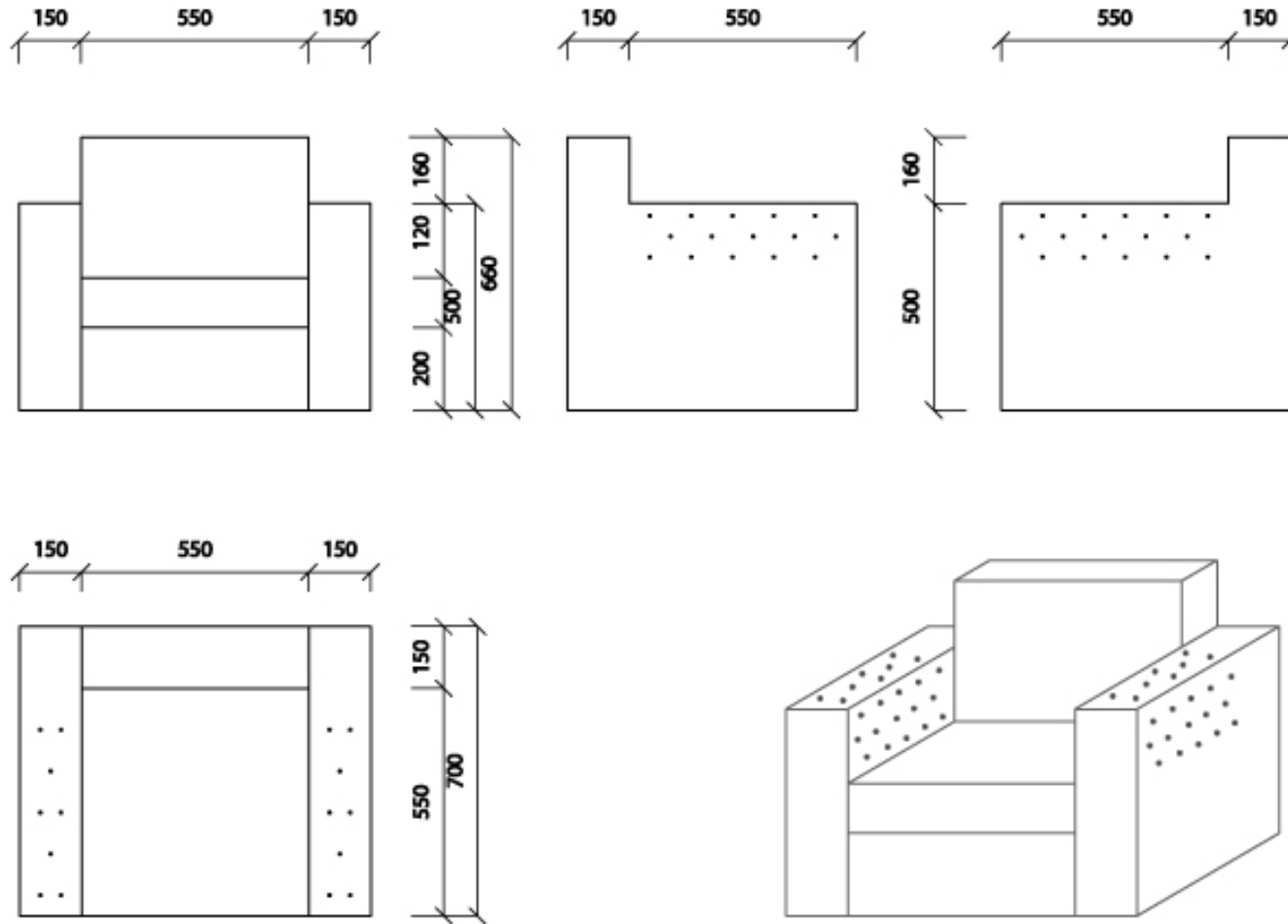
final textile buttons / laser cut



- spacer fabric + thin felt + conductive thread

PROTOTYPE TESTS

final model dimensions



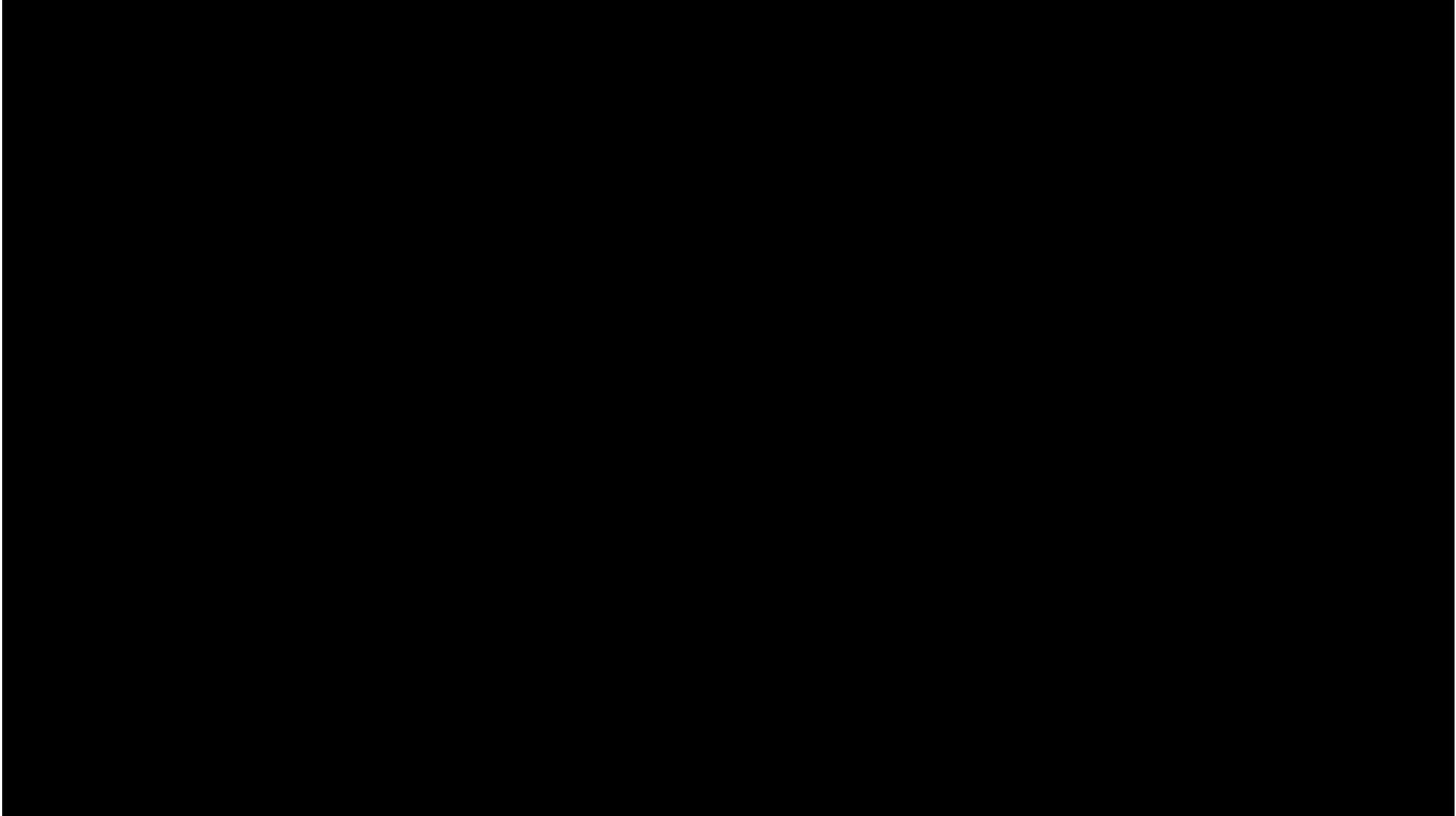
Armrest areas are the most adapted surfaces

PROTOTYPE TESTS

on / off zones



Laser cut buttons+ spacer + foam + wooden structure



FINAL COMMENTS

value propositions

- EXPRESSIVE SURFACE
- COMFORT / ADAPTS TO THE BODY

Next Step

- SENSITIVE / MEMORY FEEDBACK
- FURTHER VALUE / COMMUNICATION NETWORK

謝謝

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group dragon

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