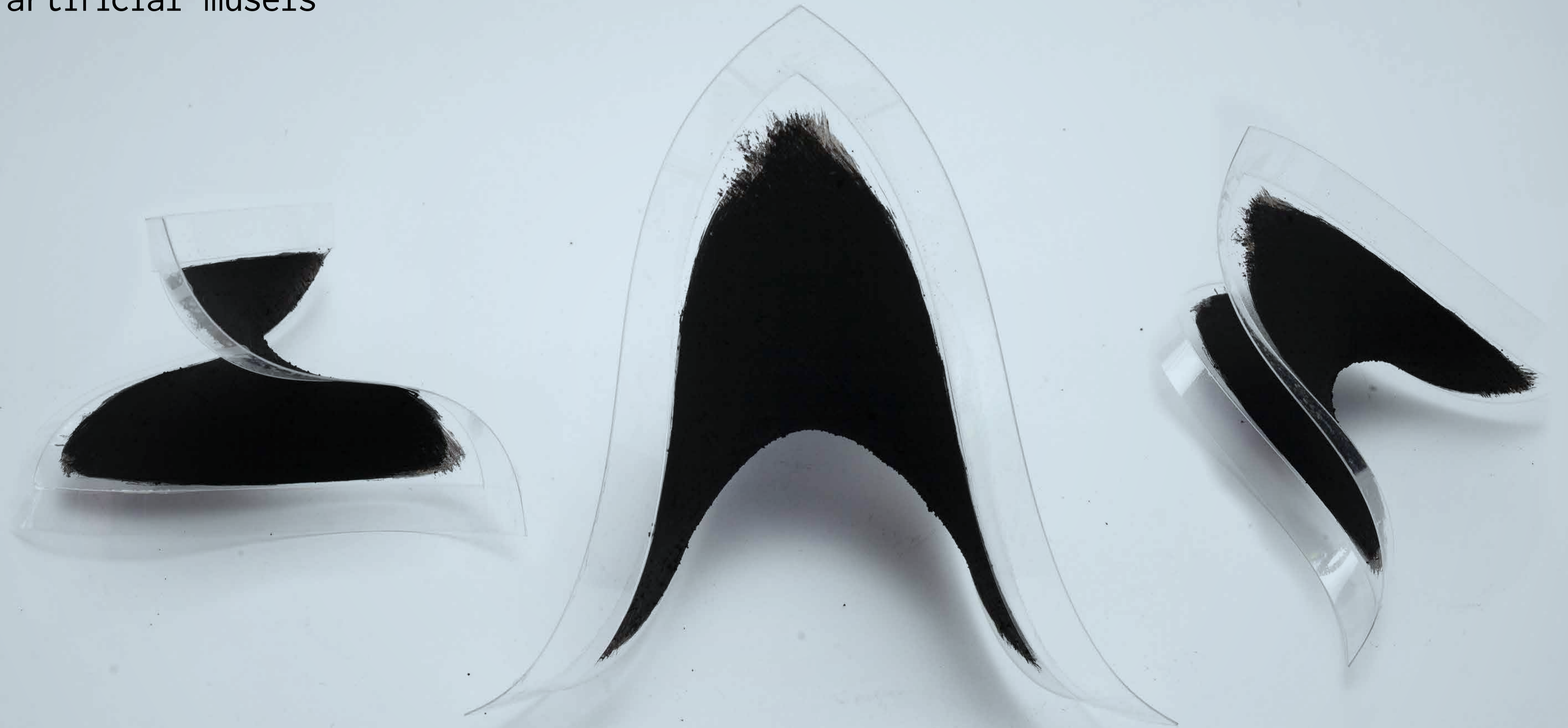


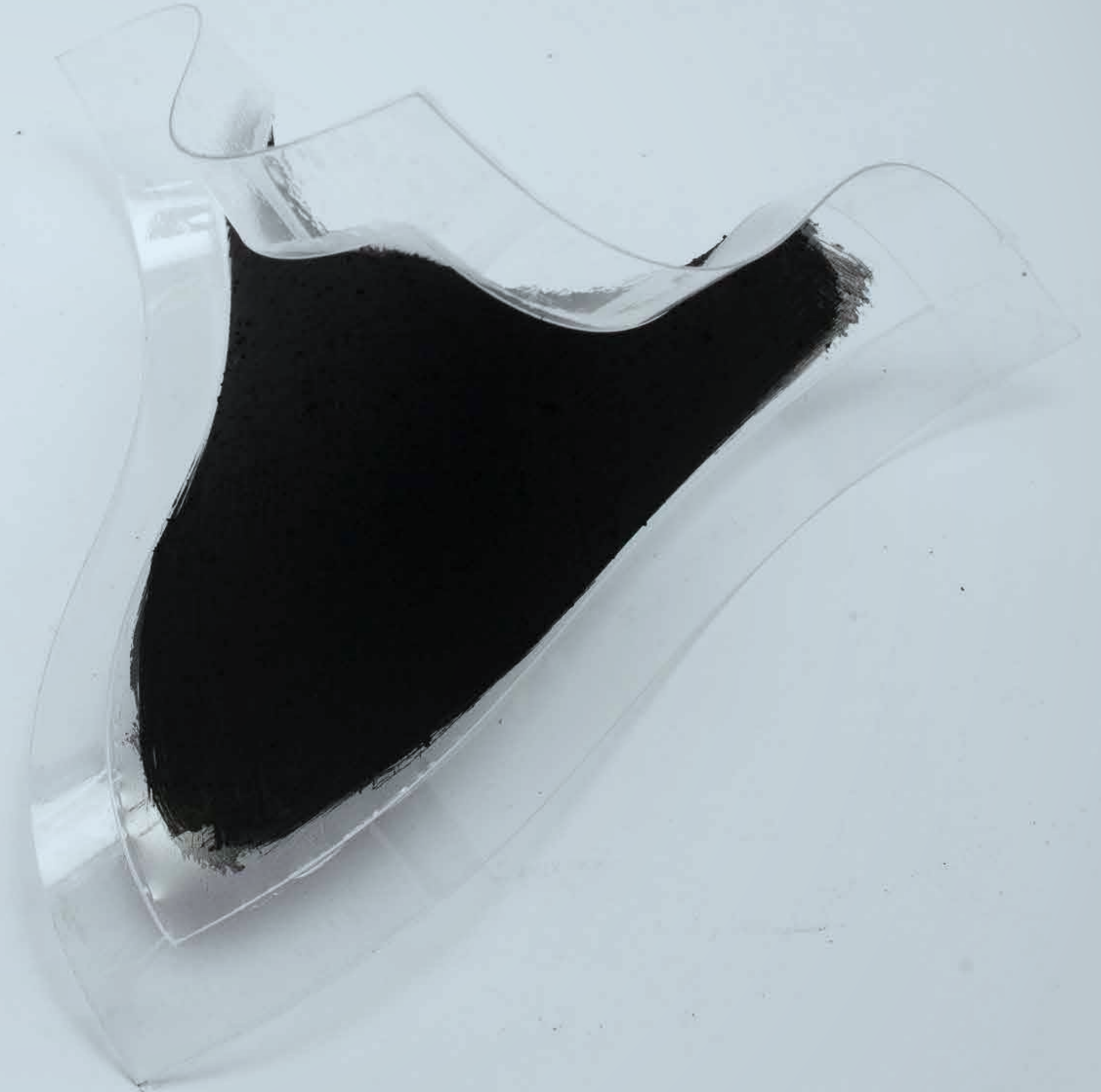
Tutorial

Only 10 steps to build
artificial musels

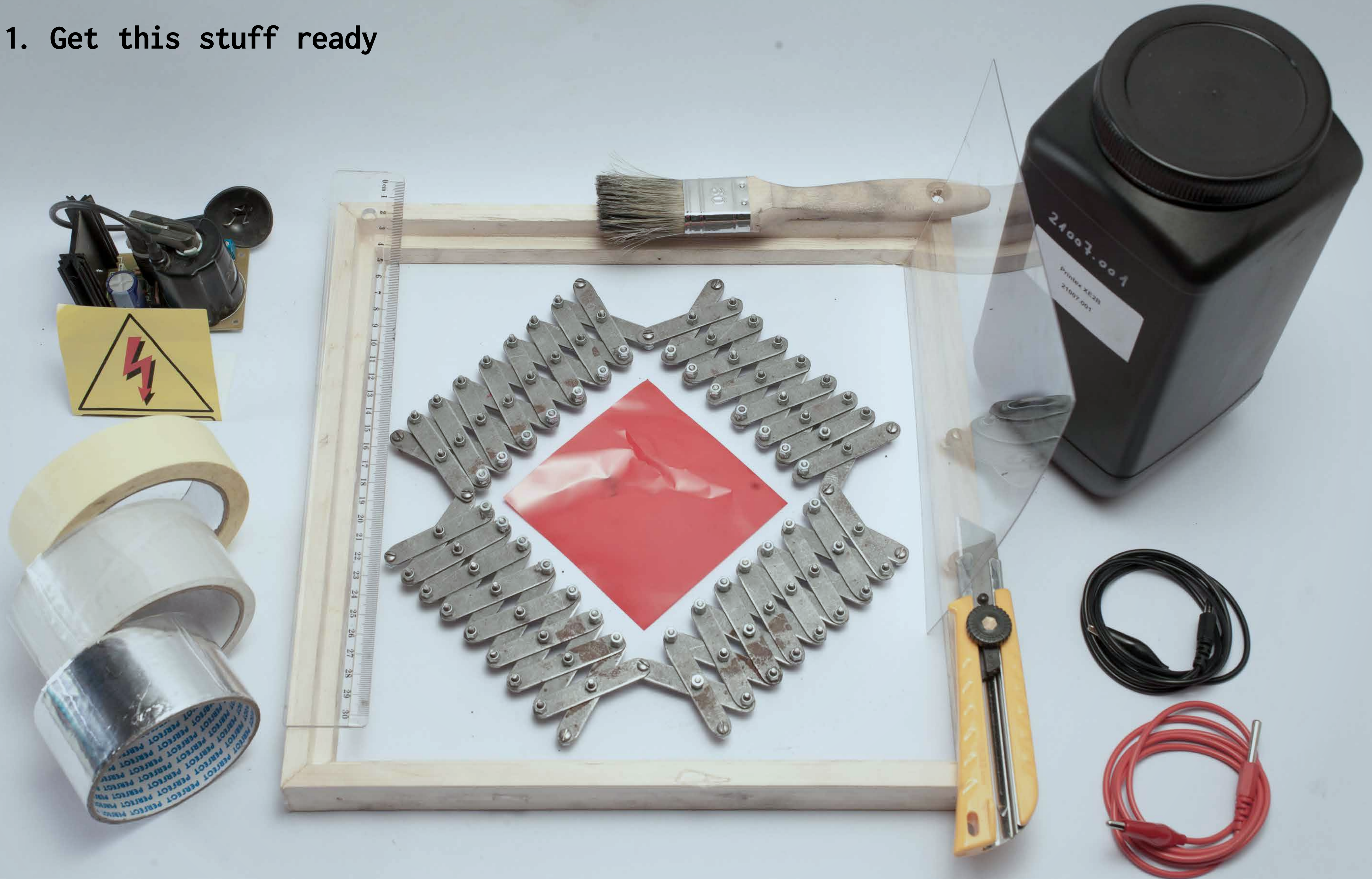


Description

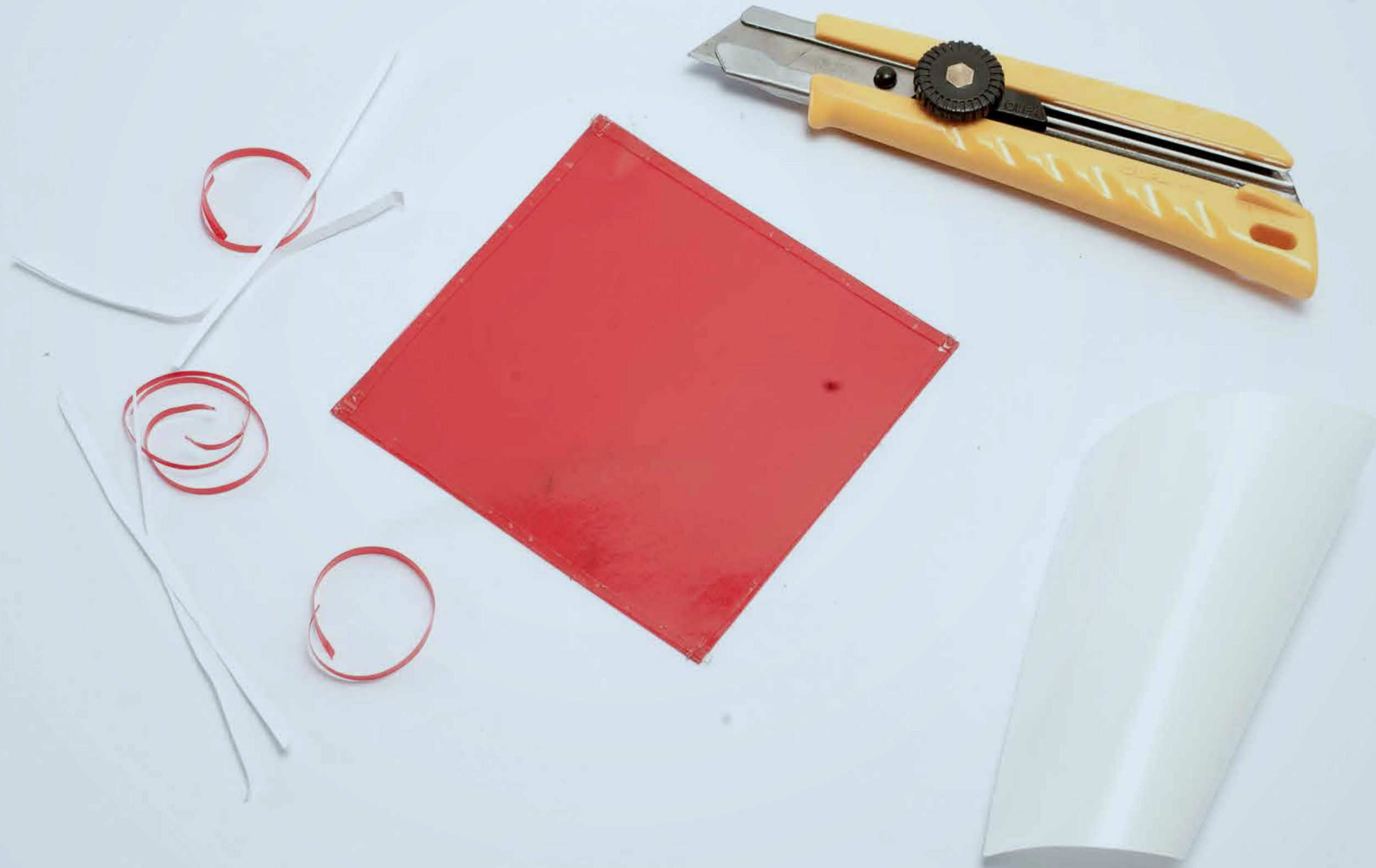
Electroactive polymers, or artificial muscles, are polymers that exhibit a change in size or shape if stimulated by an electric field. This tutorial will show you 10 steps how to build an EAP yourself.



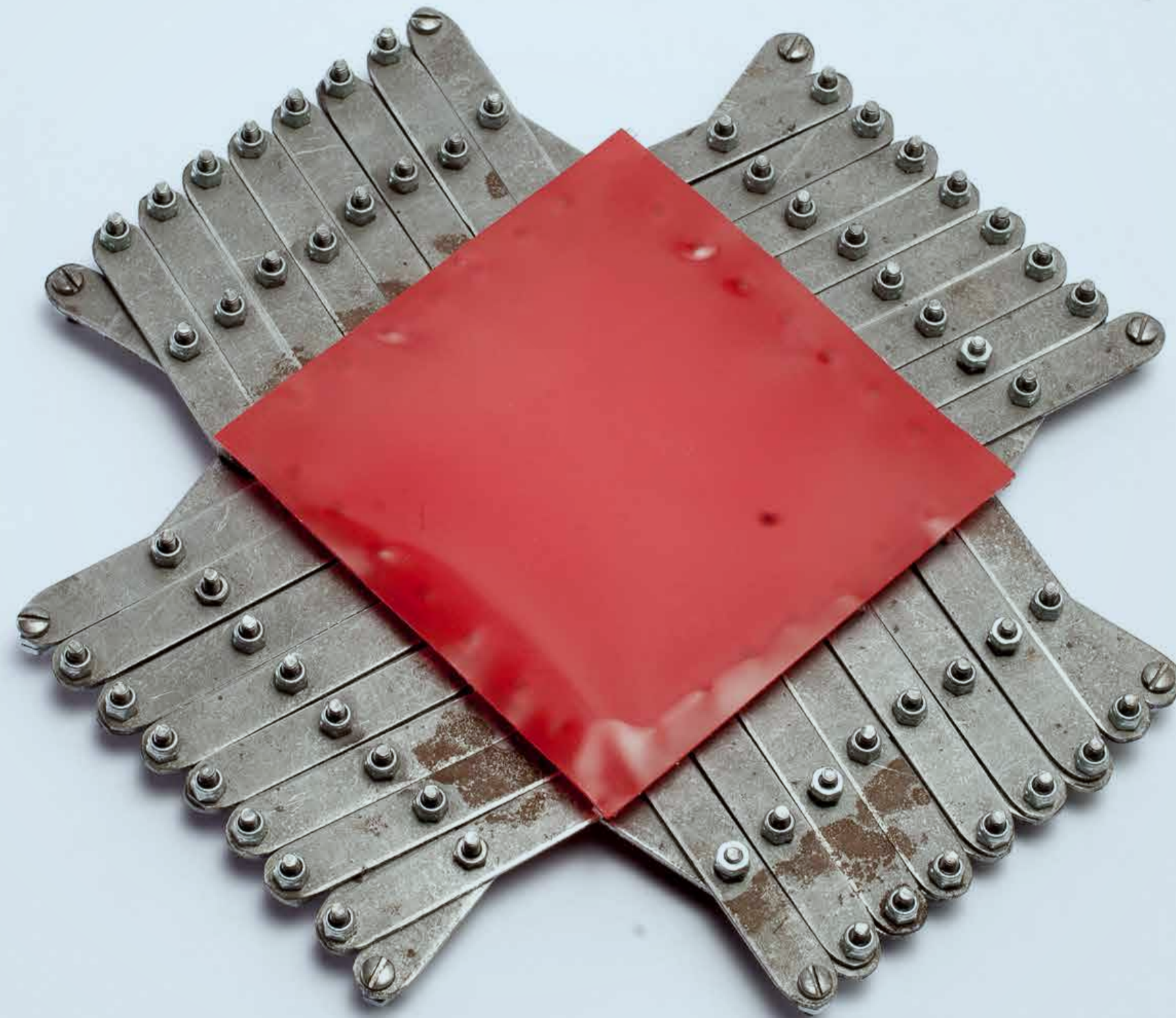
1. Get this stuff ready



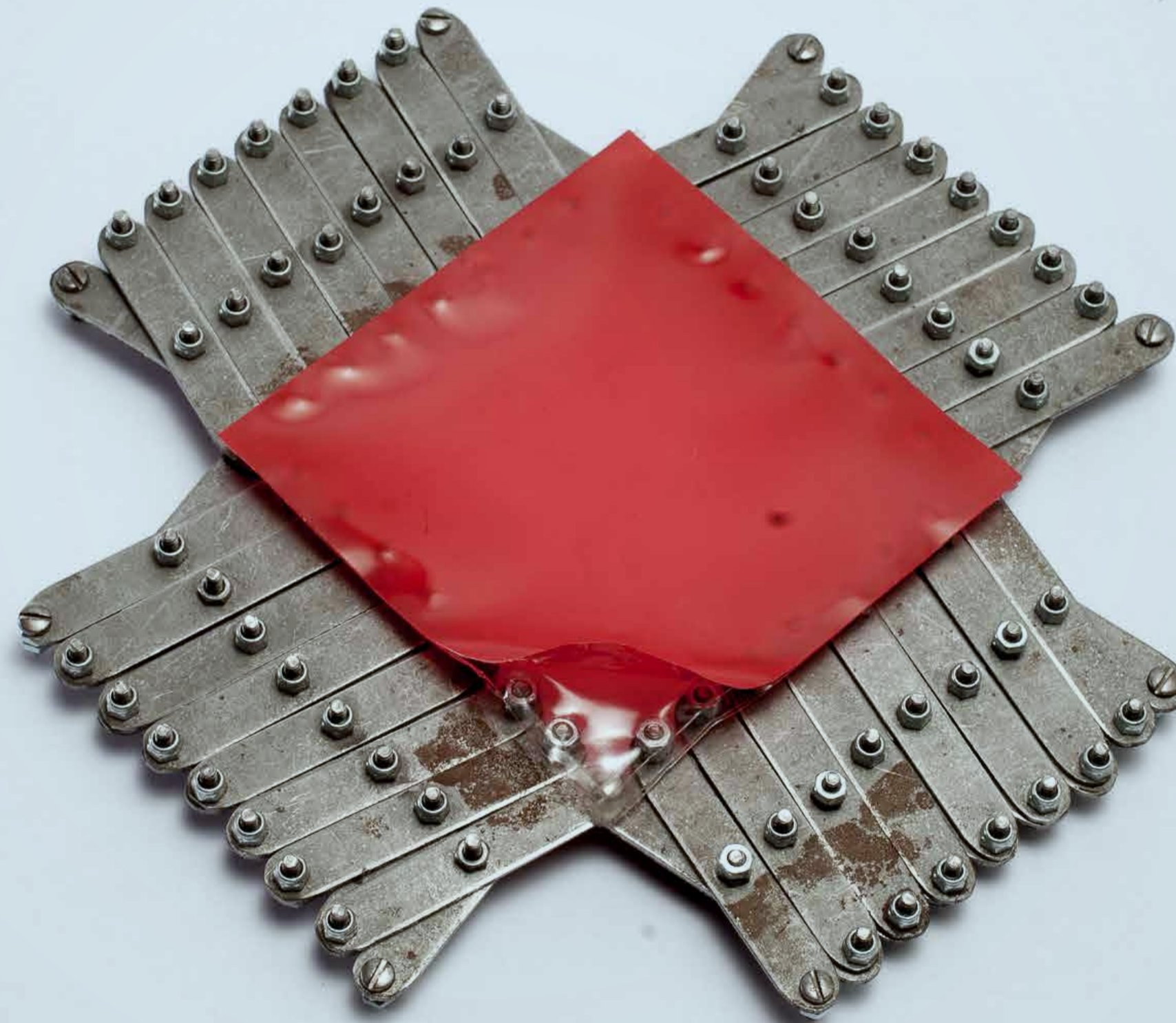
2. Reinforce the VHB 3M 4905 F



3. Fix it on the scissors
stretching machine...



3. Fix it on the scissors
stretching machine...



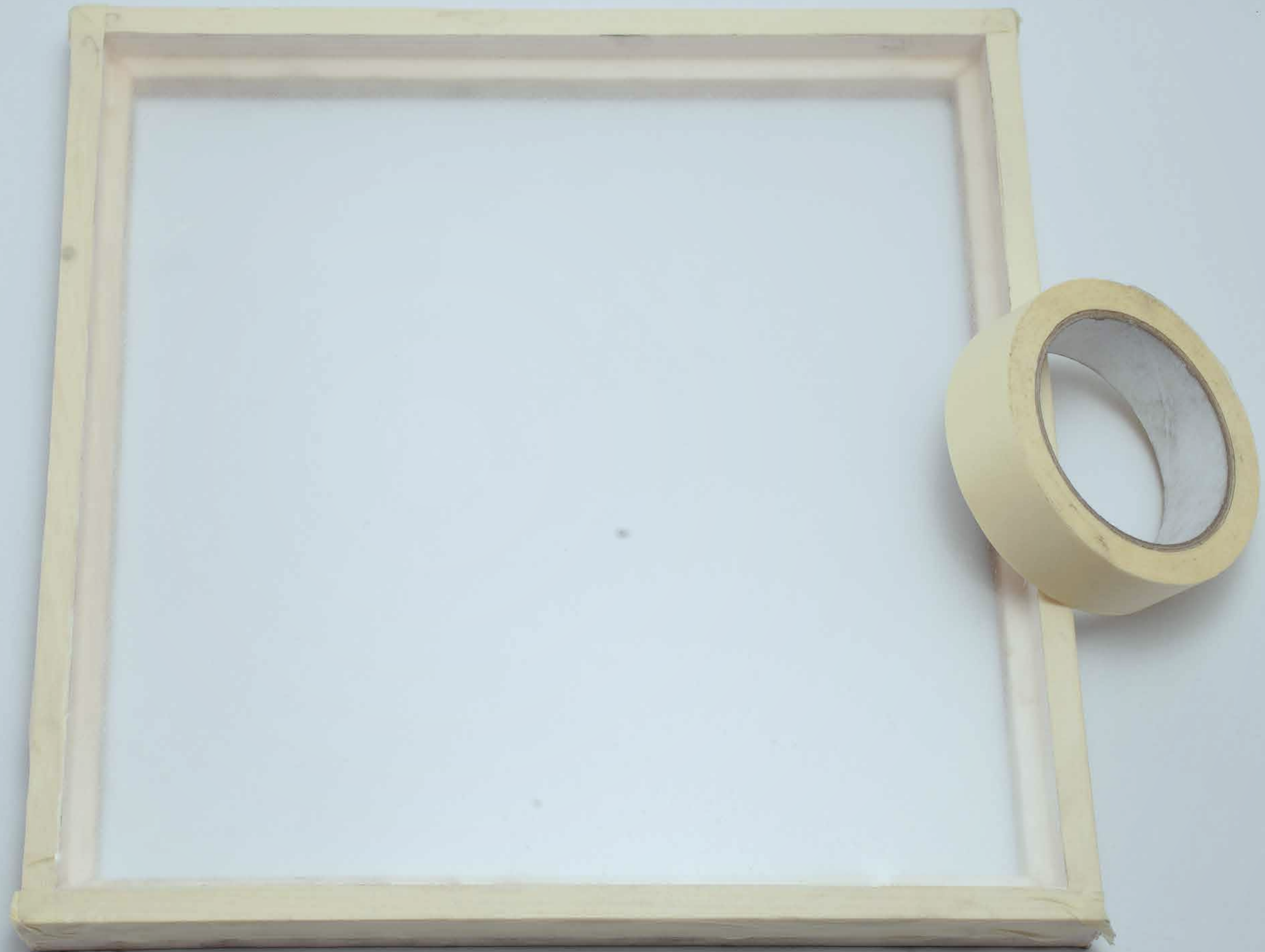
3. Fix it on the scissors
stretching machine...



...and stretch it to 300%



4. Fix the film on a
30x30 wooden frame



5. Cut a cool shape
in a 0.5mm plastic row



6. Fix the frame...



...with a tape from
the other side



7. Take the Carbone
Pentax XE2B and...



... paint the film from both sides.



8. Cut the frame
side with the tape



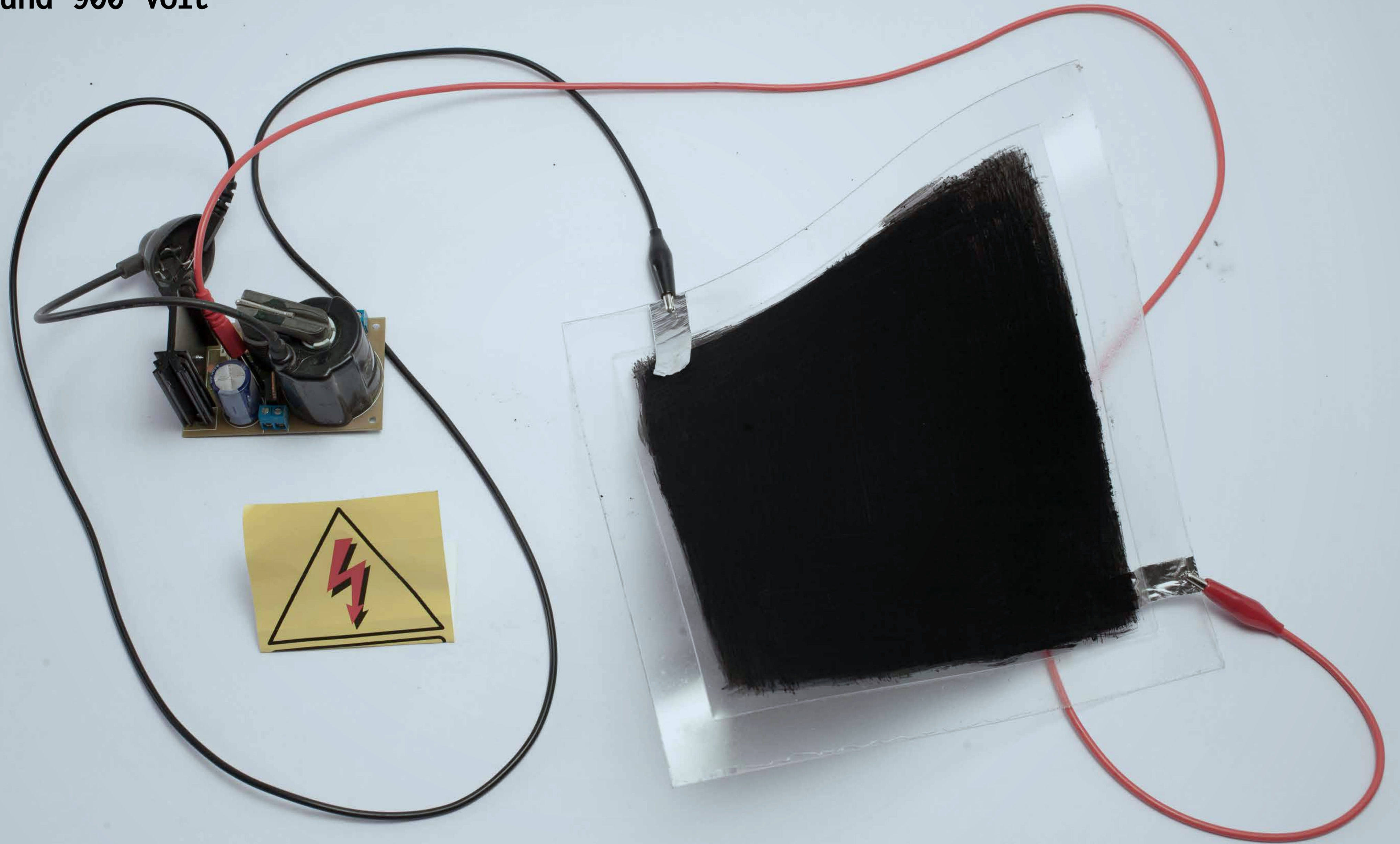
8. Cut the frame
side with the tape



9. Stick the conductive tape on both sides



10. Get a movement
around 900 Volt



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