

# talc. ART PACK

'Rotorelief' workshop age 14+ (inspired by Marcel Duchamp)

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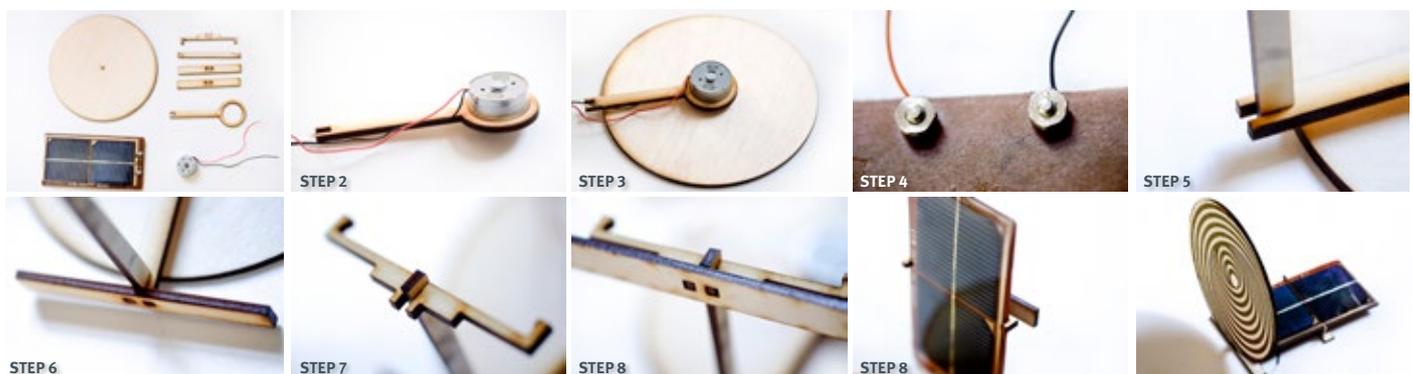


Marcel Duchamp: Rotorelief

Marcel Duchamp (1887 – 1968) was a French-American painter, sculptor, chess player, and writer whose work is associated with Cubism, Dada, and conceptual art. ([https://en.wikipedia.org/wiki/Marcel\\_Duchamp](https://en.wikipedia.org/wiki/Marcel_Duchamp))

Duchamp's interest in mechanical art and optical illusions led to the creation of his set of 6 discs known as Rotoreliefs. Their primary purpose was to be spun on a turntable at 40-60 rpm, not less not more, to create an optical illusion that would change one's perception of depth. When Rotoreliefs were spinning, they seemed as if they were 3D.

talc.'s version of the rotorelief is connected to a solar cell. So you have to find the ideal spot to make them spin at the right speed !



Make sure that you have all the parts as seen in the first photo in your art pack!

- Step 1** To create the 3D effect when the disc will spin, please draw an asymmetrical series of concentric circles onto the plywood disc. Colour the circles in, using high contrast colours and try to be as accurate as you can! Ideally you will use acrylic paint, but feltmarkers or cut out coloured & glued paper circles also work fine.
- Step 2** Whilst the paint dries, push the motor carefully into the motor holder. It is quite tight, so try from both sides. Make sure that it sits flush with the front of the plywood.
- Step 3** Push the motor axis into the hole of the circular plywood disk. Again, this is quite tight. Try to push the motor in without touching the motor holder and spin the disc by hand to check if it is straight.
- Step 4** Attach the wires to the solar cells, by unscrewing and tightening the nuts. You can change the direction of the disc's spin by swapping the cables.
- Step 5** Push the narrowest plywood piece into the bottom slot of the motor holder.
- Step 6** Now put the foot on. You may need some glue. Wait with further steps until the glue is set.
- Step 7** Push the solar cell holder onto the other side of the narrow plywood strip and again, put the foot on as well. Use glue if necessary.
- Step 8** Push the solar cell into the holder. Now make your rotorelief stand on the feet, place it in the sun, and you are ready to go!

*PLEASE TAKE PHOTOS OR LITTLE FILMS OF YOUR ARTWORK AND SEND THEM TO TALC.!*

This art pack is created for talc.'s project *dust*, funded by Creative Scotland Open Fund.