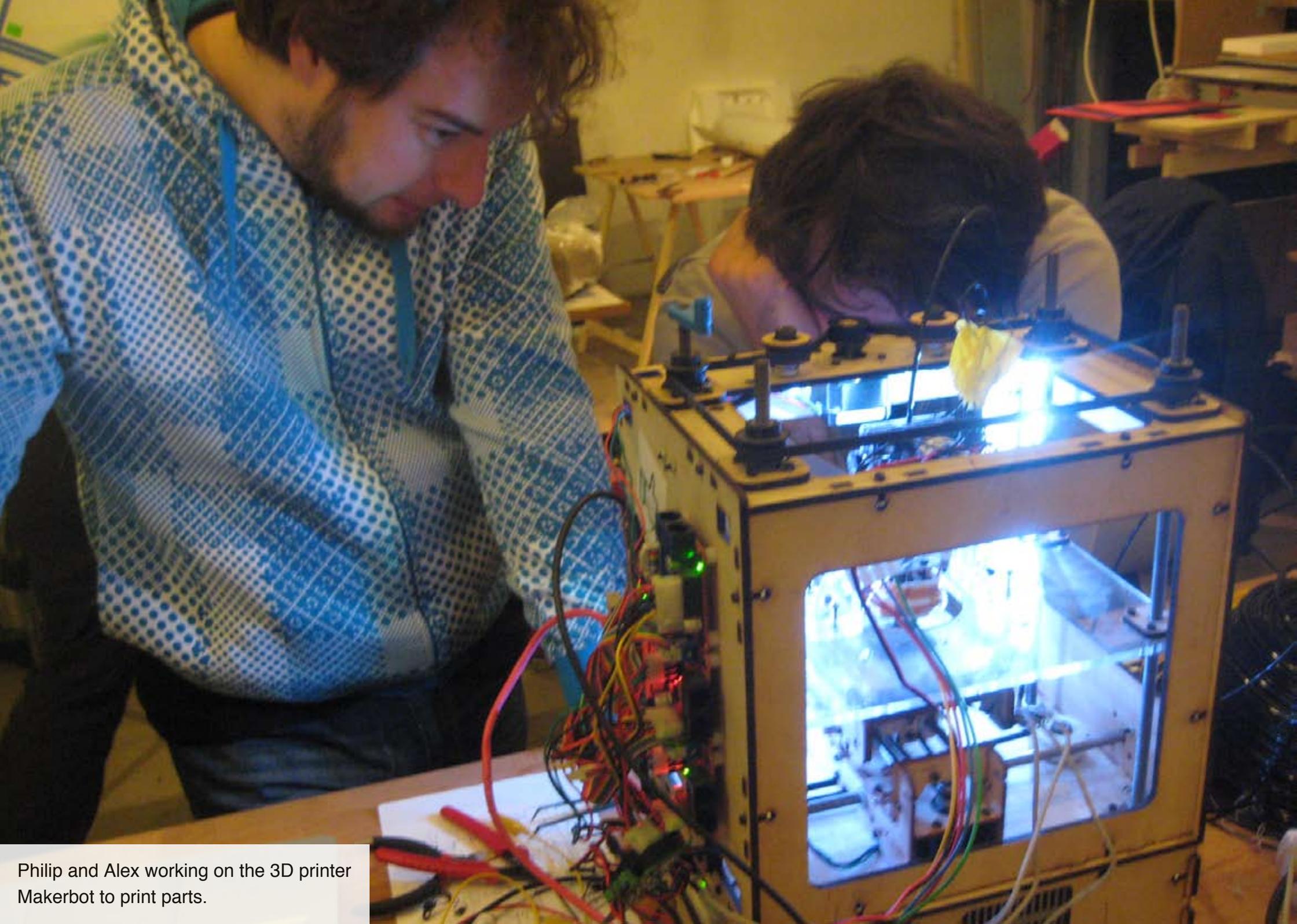


...here a little documentation to give an impression about activities in the Open Design City in Berlin. The pictures are chosen as they where available, there are many more other projects and workshops going on, but let's start...





Every monday in the evening people come to Philip Steffan's „Bausteln“, an open gathering of people where everybody interested can experiment with the arduino circuit board, making little robots, connect electric guitars to bluetooth, programming a processing script to generate dxf-files out of taken pictures (graffiti research lab) or exchange knowledge about knitting (Semi) and making wool hats for the cold winter.



Philip and Alex working on the 3D printer Makerbot to print parts.



Picture taken on the DMY International Design Festival in Berlin in June 2010. The Open Design/Hacker/Free Culture Community of Berlin was present there as „Makerlab“, where visitors could take action themselves and participate. Here ist Philip explaining how the arduino-board works.



...Julia at the Makerlab, sharing knowledge about wearable electronics and knittable wires, following her how-tos which she prepared for the visitors...



talk to me about:
14 * WATER
3 * STARCH
1 * GLUCOSE
2 * VINEGAR

WH NENI
DICK B
BIRKZ
ARTIST

Krafschütter
FEINE
SPEISESTARKE

...Jay, Christopher and Mendels open starch plastic project.



Drying lampshades and bowls made out of pullovers and starch-plastic.



...consumers become makers and producers themselves and participate in the process, here some passionate visitors on Makerlab-booth.



...stretching pullovers.



...the ingredients of the starch-plastic. The recipe is shared knowledge



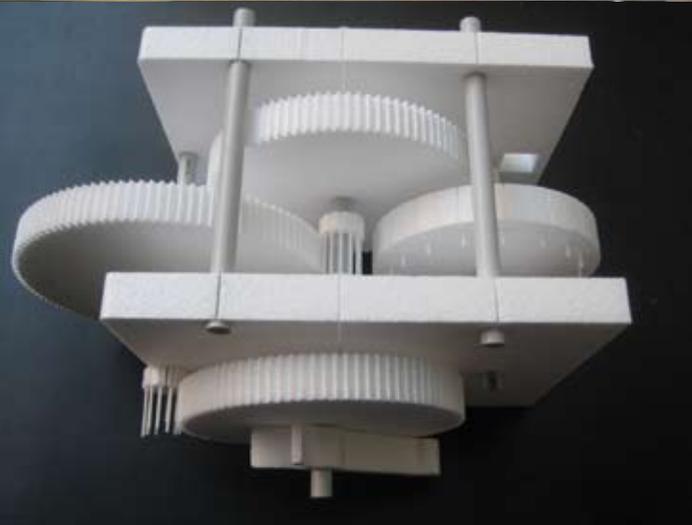
...Jay with elastic starch plastic.



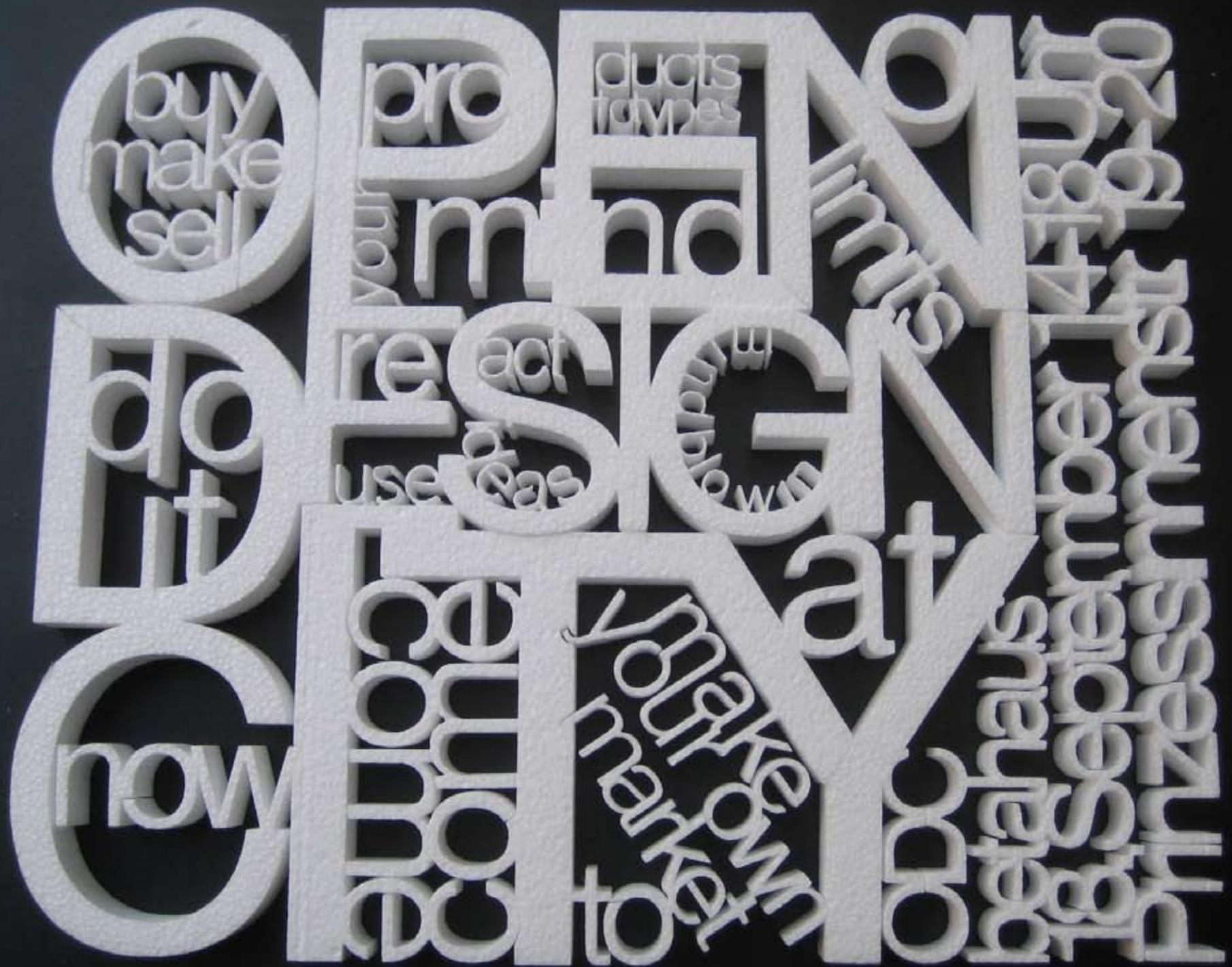
Christophe's DIY-low-cost vacuum forming machine on the Makerlab-event. The vacuum is created by a hacked vacuum cleaner found on the street, the heat for making the plastic sheets soft is produced by a 2nd-hand chicken grill, the vacuum box is a simple box with holes.



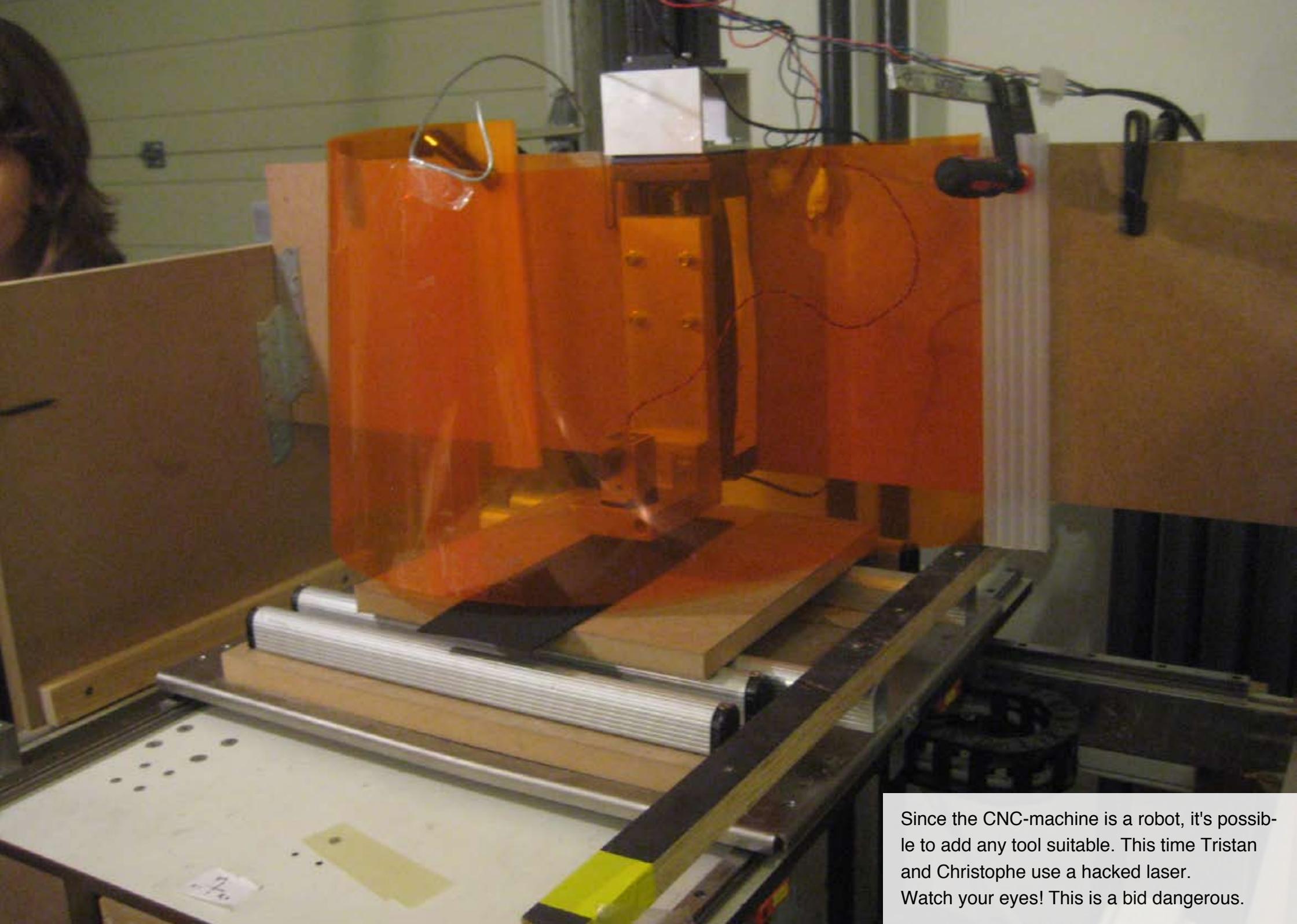
Christophe's and Sukandar's Giraffe, a DIY-CNC-machine working with 3 axis. Here milling plywood-sheet in 2,5 D.



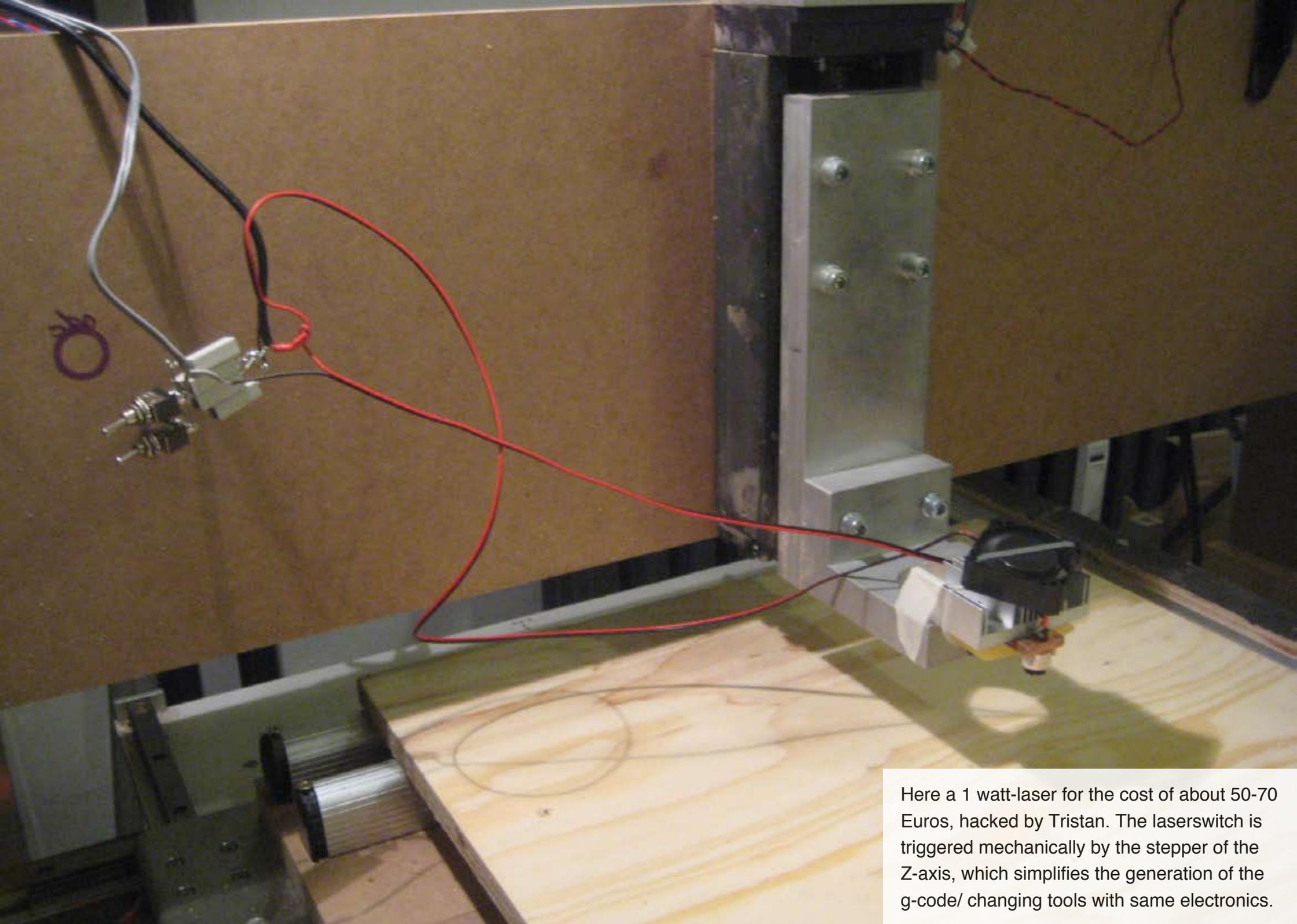
The Giraffe hacked in 45min as a CNC-styrofoam-cutter. Styrofoamcutting gets quite precise now! It's even possible to cut styrofoam-gears for a mechanical clockwork.



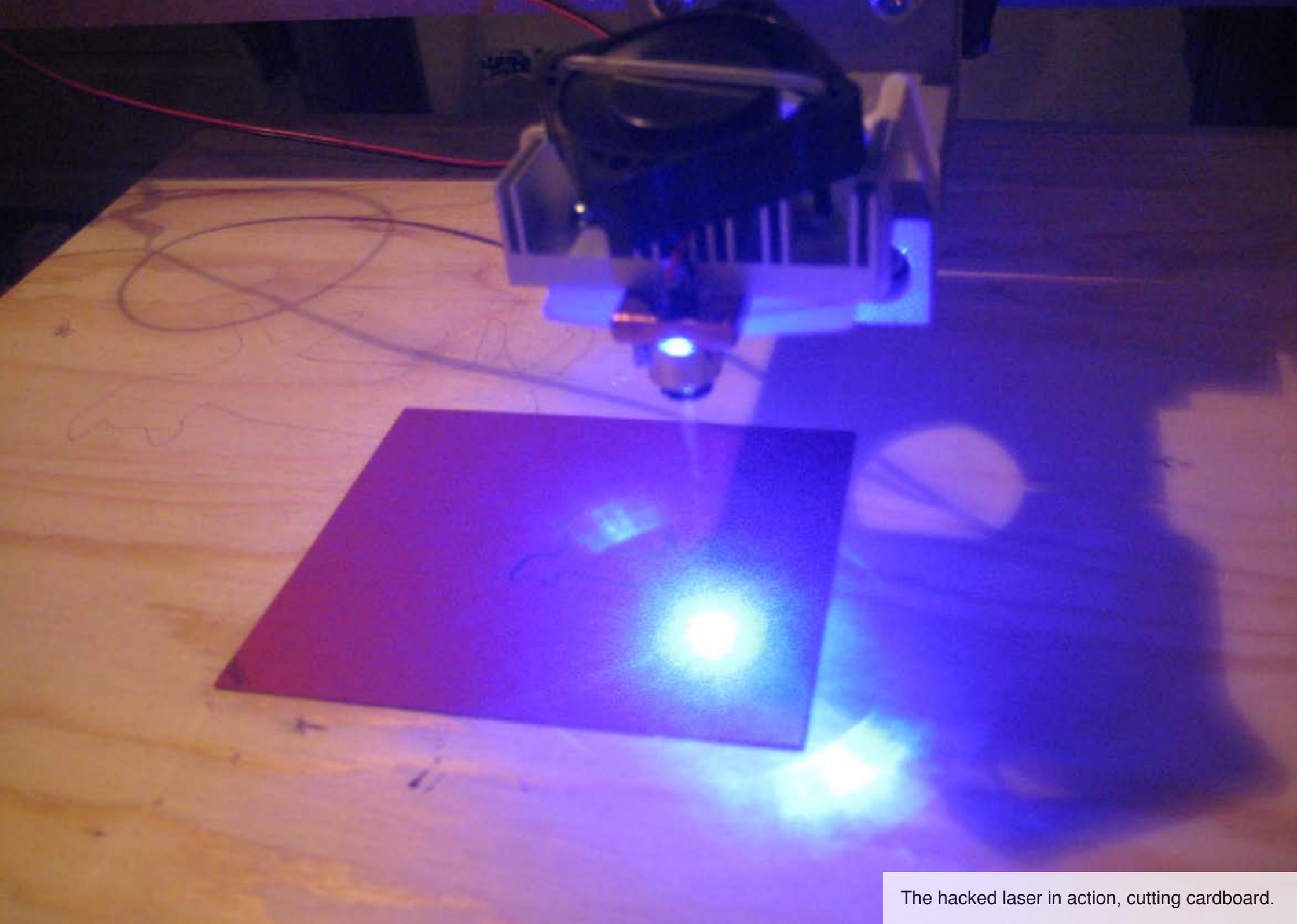
...or cutting letters...an artpiece made by Alex.



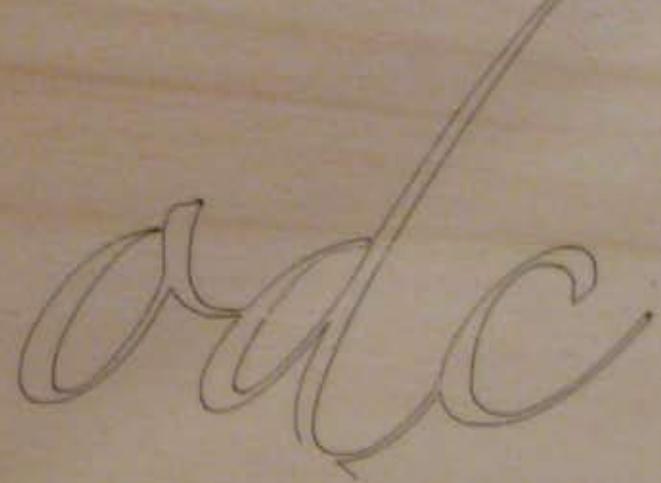
Since the CNC-machine is a robot, it's possible to add any tool suitable. This time Tristan and Christophe use a hacked laser. Watch your eyes! This is a bid dangerous.



Here a 1 watt-laser for the cost of about 50-70 Euros, hacked by Tristan. The laserswitch is triggered mechanically by the stepper of the Z-axis, which simplifies the generation of the g-code/ changing tools with same electronics.



The hacked laser in action, cutting cardboard.



...or engraving wood.
The system works on PC, and recently we also managed to run it on Linux-EMC2, an open-source CNC-controlling software. Soon we can teach people to make CNC-machines by using 100% open source tools to empower people (software and hardware). Inkscape i.e.can generate G-Code.



Upcycling-session of chairs, initiated by the Trial and Error Kulturlabor.



The shared library-project in the ODC of the philosopher Camille and upcycled palettes.



Here is Marcel, an engineer preparing 700 kg of steel for a solid frame of a big CNC-machine, a shopbot, having a workspace of 2x1m.



another parts to be prepared...



Many other things happening, lots of work ahead to document it and make it accessible online...



hope you enjoyed the tour, hopefully we have a wiki or online-communitiy soon for more to follow up...