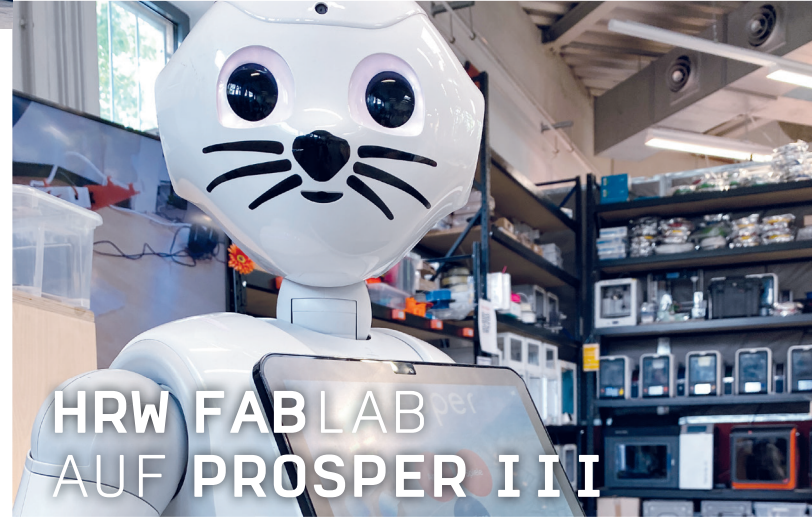




WHAT IS A FABLAB?

The HRW FabLab is an open innovation environment, also known as a makerspace. Inspiring and creative ideas are transformed into functioning prototypes and products. Thanks to digital fabrication and the new skills you acquire with us, this is often easier than you think. As part of the Fab community with 2500 FabLabs, we are part of a global movement and work closely with the MIT (Massachusetts Institute of Technology), true to the motto of the first FabLab founder Neil Gershenfeld: “How to Make (Almost) Anything”.



OUR EQUIPMENT



We have created a special environment on 600 square meters with an extra 200 square meters of co-working space for start-ups, which offers just about everything from 3D scanning, 3D printing and electronic production to wood, plastic and metal processing, paired with robotics engineering, a fab cafe, a mobile FabLab and VR technologies. That’s how our vision “How to Make (Almost) Anything” can become reality.

- ✓ 3D-Printer
- ✓ Lasercutter
- ✓ Vinyl-Cutter
- ✓ programmable embroidery machine
- ✓ VR environments
- ✓ 3D-Scanner
- ✓ Circuit board router
- ✓ DIN A0-printer and -plotter



CONTACT

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ABOUT THE FABLAB

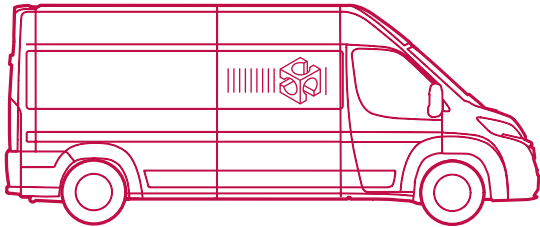


The HRW FabLab was founded in 2012 by Prof. Dr. Michael Schäfer at the Ruhr West University of Applied Sciences. The lab at the Prosper III campus in Bottrop is currently one of the largest and best-equipped FabLabs in Germany and is part of a large-scale neighborhood development process on a former coal mine site. The team of 30 people teaches “hands-on” digital skills and specialist knowledge. Guests are supported during the production process so they can implement their project independently using the FabLab’s facilities.



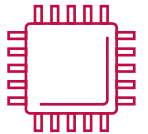
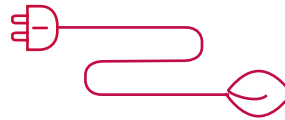
OPEN NIGHT

The basic idea of the FabLab movement is that the services are available for everyone no matter their knowledge and skills. Our open night takes place every Wednesday from 3.30 to 7.30 pm. The perfect chance to get to know our makerspace with all its possibilities without obligation. Take the time to put your own creative and innovative project ideas into practice using our equipment, hardware and software. Our team helps all visitors during the open night with knowledge and advice. The offer is free of charge.



THE MOBILE FABLAB

The small version of our lab provides a selection of all our devices in a van. The mobile FabLab allows us to be independent of location and offers an innovation environment at any desired location. We come to you! Digital fabrication, expertise and direct communication on site. Made especially for schools, educational institutions and events, we have everything you need to carry out learning units, courses and free activities.



TEACH, LEARN AND WORKSHOPS

In addition to the open nights, many events through all age groups take place in the FabLab. As an extracurricular place of learning and zdi school laboratory, we offer many courses for students of all school forms. From textile design and furniture making to robotics and microcontroller programming, we can integrate topics with the curriculum of many subjects. Our portfolio also includes weekend and vacation courses. But it’s not just students who can learn something at the FabLab. In addition to courses for students at HRW and other learning facilities, we are more than happy to organize individual tours and workshops for companies, artists and anyone else who is interested.

