

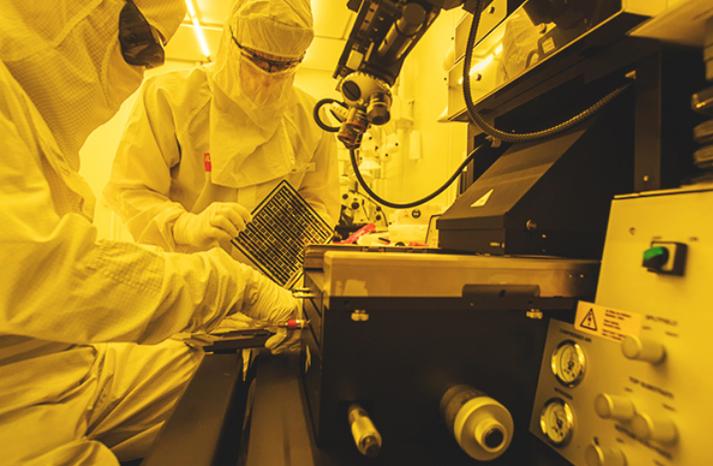
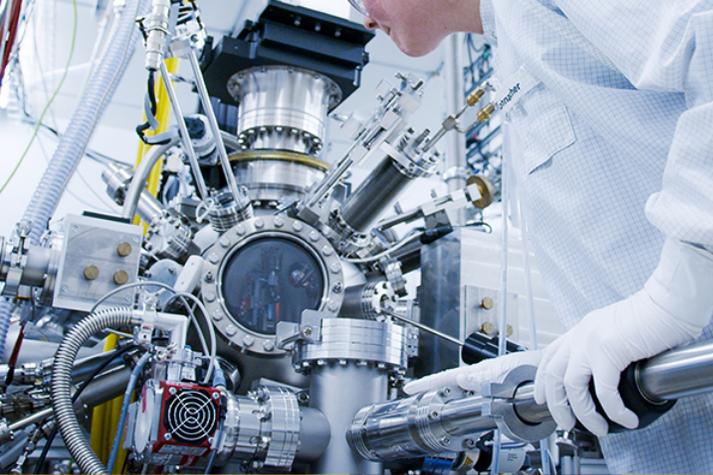


INNOVATION
LAB

thinking
works

HEIDELBERG

The One-Stop Shop for Printed Electronics



Infrastructure

InnovationLab owns a total of **6200 m²** of rentable effective area in Heidelberg, right in the middle of the Rhine-Neckar metropolitan region with a close connection to the central station and Frankfurt airport. From office space to laboratories and cleanrooms, we offer a unique compilation of state-of-the-art research infrastructure such as an integrated UHV system equipped with FIB, SEM, XPS, FTIR and more for *in situ* analysis. Further, our equipment comprises characterization tools like a climate chamber, force-travel measurement, drop-shape analysis or rheometer and infrastructure like gloveboxes, fume hoods and a yellow room for lithography. Finally, **diverse types of printing machines** from lab scale to pilot plant are available for you, all under one roof within our “all-u-can-use” **flat rate package**.

Contact us now!





Tech2Market Consulting

*You have a vision about a product, but you do not have the technology to realize it? We act as **ThinkTank** to realize your ideas.*

*You have a challenge, that does not fit standard technologies? Our experts have **profound knowledge** in developing and producing out-of-the-box solutions.*

*You have a product, but you need the connection to the market? We have a **working experience of more than 13 years** in the field of printed and organic electronics. Most likely we already know your customers and competitors and can establish the contact.*

We accompany you from the **first idea to the final product**. From initial feasibility studies, through research and technology consulting to IP management, we provide the advice you need to make strategic decisions.

In a nutshell: We solve your problems while you concentrate on your product. Please do not hesitate reach out to us.

Contact us now!





Research & Development

The first phase of our **Lab-to-Fab concept**.

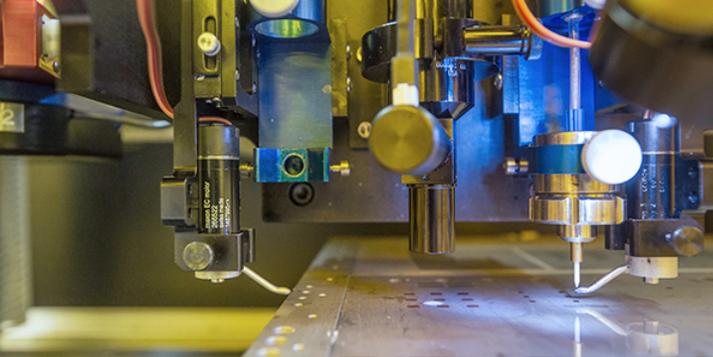
We are experts for printed and organic electronics and use our state-of-the-art equipment to provide you with the best solution for your individual challenge.

We **tailor sensor technologies** to your specific requirements – whether the technologies are already available or not. In the latter case, we rely on our background as research platform and our broad network of academic scientists and industrial researchers and start with the development of novel sensor technologies.

Further, we conceive, plan, engineer and produce suitable **hardware, software and cloud integration** and embed the sensors into a **complete and tailor-made solution** which is ready for mass production.

Contact us now!





Pilot Production

The second phase of our **Lab-to-Fab concept**.

Once you are satisfied with the development of your individual sensor solution, InnovationLab provides the **upscaling** from lab-scale sheet-to-sheet manufacturing to a high-throughput **roll-to-roll fabrication**. This gives you the necessary volume for field tests and final adjustments of the product and us the opportunity to optimize the production process for you.

In case you have already developed your product on your own, InnovationLab implements manufacturing processes of your print product and paves the way for a **fast commercialization** and the subsequent industrial production.

Contact us now!





Industrial Production

The third phase of our **Lab-to-Fab concept**.

Heidelberger Druckmaschinen AG jointly with InnovationLab are realizing a **new dimension of production capacities** for printed and organic electronics. With this worldwide unique partnership between development and industrial production, InnovationLab and Heidelberg are offering a **one-stop shop** for the next generation of your individual functional print product, based on the motto: from lab to fab. The industrial production machines are highly flexible and individually adjustable to your product. The additive manufacturing process for printed and organic sensors allows a cost-effective and resource-saving mass production of large-area sensors for applications in industry 4.0, logistics, automotive, health care, retail, and many more.

Contact us now!

