



Microlight3D and Eden Tech partner to deliver high-precision microfluidic design solutions for healthcare, diagnostics and research applications

Collaboration combines Microlight3D's Smart Print UV for producing any 2D shape at micron resolution, without a lithography mask, with Eden Tech's FLUI'DEVICE platform, to create more rapid prototyping of microfluidic molds, devices and structures, saving customers up to 90% in design time compared to traditional CAD tools

Grenoble and Paris, France, March 4, 2025 – Microlight3D, the specialty manufacturer of high-resolution micro-scale 2D & 3D printing systems for industrial and scientific applications, and Eden Tech, specializing in cutting-edge microfluidics solutions, today announce their partnership in providing researchers and developers in the healthcare, diagnostics and research sectors with access to more powerful and high-precision microfluidic design tools.

This partnership combines Microlight3D's maskless lithography equipment for producing any 2D shape at micron resolution, Smart Print UV, with Eden Tech's user-friendly and fast application FLUI'DEVICE, addressing the growing demand for high-precision, efficient and scalable solutions in the design of microfluidic molds, devices and structures.

The application for microfluidics circuits is vast, including medical diagnostics, point-of-care testing, drug delivery systems and scientific research. These circuits enable the manipulation and control of small fluid volumes at the microscopic level, facilitating faster, more accurate diagnostics and innovative research tools.

Microlight3D's licensing of FLUI'DEVICE will strengthen its presence in microfluidics, a market expected to [grow at a CAGR of 12.22% from 2024 to 2030](#), driven by advancements in diagnostics, drug delivery and personalized medicine.

"Microlight3D is excited to partner with Eden Tech, a recognized leader in microfluidics, to bring groundbreaking innovations to the healthcare and research sectors," said Denis Barbier, CEO of Microlight3D. "We are now able to offer customers worldwide a solution for quickly and easily creating high-precision microfluidic designs compatible with the formats used by our machines. This will enable our users to integrate this tool into their current workflow, while streamlining the steps involved."

The challenge overcome for researchers in using Microlight3D's Smart Print UV system enhanced with the FLUI'DEVICE platform, lies in its ability to create intricate, complex designs with the unmatched accuracy required in the development of next-generation diagnostic tools, lab-on-a-chip devices and research apparatus. Through its collaboration with Eden Tech, Microlight3D makes it easier for both skilled users and beginners to access advanced design and production solutions, while broadening microfluidic circuit capabilities.

"We believe that this partnership will set a new benchmark in the field of microfluidics," said Victor Morel Cahoreau, head of sales at Eden Tech. "With healthcare systems and research laboratories increasingly seeking efficient and reliable microfluidic devices, the demand for solutions that integrate precision, scalability and cost-effectiveness has never

been greater. This partnership directly addresses these needs by offering solutions that streamline production processes and reduce time-to-market for critical healthcare technologies."

Benefits of combining Smart Print UV and FLUI'Device include:

Accelerated Design Workflow

- Time Savings: Reducing design time by up to 90% compared to traditional CAD tools
- Rapid Prototyping: Software enables users to go from concept to a production-ready design in hours instead of days

Cost Efficiency

- Lower Design Costs: Intuitive interface minimizes need for extensive training or reliance on external design services, cutting costs by an estimated 60%

Enhanced Accuracy and Success Rates

- Faster iterations, compared to classical CAD software, resulting in higher precision design and simulation, and reducing the design time
- Optimized Outputs: Exports in various formats to ensure compatibility with production systems, reducing errors in the manufacturing phase

Scalability and Customization

- Versatile Applications: Suitable for both academic and industrial users, enabling projects to seamlessly scale-up from research to production
- Broader Library: Premium features include access to an extensive library of modules, to create more sophisticated and customized designs

About Eden Tech

Eden Tech is a cutting-edge technology company specializing in microfluidics solutions. By developing innovative platforms, such as FLUI'DEVICE, and tailored material for microfluidics, such as Flexdym, Eden Tech enables a seamless solution for the entire microfabrication process, from the design to the production of the microfluidic devices, across academic, industrial and biomedical sectors. The company guides scientists and industrial researchers in successfully achieving any microfluidic project. Committed to sustainability and innovation, Eden Tech drives advancements in healthcare, for both academia and industry.

www.eden-microfluidics.com

About Microlight3D

Microlight3D is a manufacturer of high-resolution micro-scale 2D & 3D printing systems. The company enables scientists and industrial researchers with advanced design needs to produce the most demanding precision micro parts in any geometric or organic shape, with a flawless finish. Microlight3D's microprinting machines are used in micro-optics, microfluidics, micro-robotics, meta-materials, cell biology and microelectronics applications. Microlight3D is equipped with a clean room and a strong team of engineers, sales staff and global distributors. The company was founded in 2016 in Grenoble, France.

www.microlight3d.com

Media and analyst contact

Andrew Lloyd & Associates

Carol Leslie & Juliette Schmitt

carol@ala.com – juliette@ala.com

UK: +44 1273 952 481
