

Cooperation Agreement

Two Strong Partners for the LiDAR Technology of the Future

LASER COMPONENTS and the Fraunhofer Institute for Microelectronic Circuits and Systems IMS have signed a cooperation agreement and will collaborate closely in the future. Especially in the field of LiDAR technologies, both partners promise fresh impetus. Regarding components for the automotive industry, LASER COMPONENTS has made a name for itself primarily with powerful pulsed laser diodes. The researchers from Duisburg can contribute new sensor technologies that promise particularly precise measurements.

"Like all institutes of the Fraunhofer Gesellschaft, we are always aware of the practical benefits of our research," says Dr Jennifer Ruskowski Head of 3D Sensors at Fraunhofer IMS. "Our new single-photon avalanche diodes (SPADs) are about a hundred times more sensitive than the photodiodes used in smartphones. The integration of sensor and readout electronics in a CMOS chip enables very powerful 1- and 2-dimensional detector arrays. Customised adaptations are possible. LASER COMPONENTS is a partner with experience in many areas of technology and is able to contribute its own ideas to our work."

"The developments of Fraunhofer IMS are an optimal complement to our own LiDAR products," explains Patrick Paul, managing director at LASER COMPONENTS. "Especially in this area, rapid technical progress can be observed currently. Cooperation with a renowned development institute is, therefore, an important strategic step for us."

Trade Shows

Vision, November 06 - 08, 2018, Messe Stuttgart, Germany, **Booth 1G31**
electronica, November 13 - 16, 2018, Munich, Germany, **Booth B3.524**
SPIE Photonics West, February 05 - 07, 2019, San Francisco, USA, **Booth 1751**
ATX West Automation, February 05 - 07, 2019, Anaheim, CA, USA, **Booth 4166**
BREKO, March 27 - 28, 2019, Wiesbaden, Germany
Automate, April 08 - 11, 2019, Chicago, IL, USA, **Booth 8536**
SPIE DCS, April 16 - 18, 2019, Orlando, FL, USA, **Booth 524**
ANGACOM, June 04 - 06, 2019, Cologne, Germany
Sensors Expo & Conference, June 25 - 27, 2019, San Jose, CA, USA, **Booth 419**
LASER World of PHOTONICS, June 24 - 27, 2019, Munich, Germany
SPIE Optics+Photonics, August 13 - 15, 2019, San Diego, CA, USA

The Company

LASER COMPONENTS specialises in the development, manufacture, and sale of components and services in the laser and optoelectronics industry. At LASER COMPONENTS, we have been serving customers since 1982 with sales branches in five different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the United States. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 220 employees worldwide.