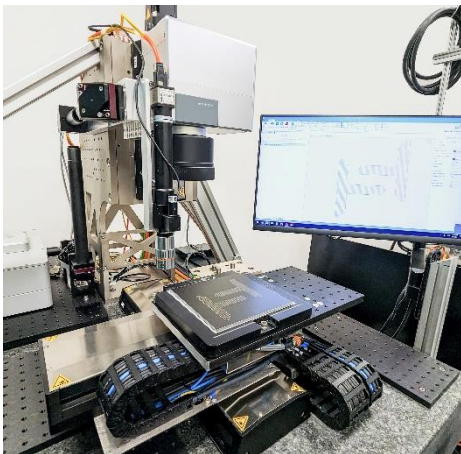


PRESS RELEASE

Lower Integration Efforts for Large-surface Laser Micromachining Setups

New partnerships provide product developers and manufacturers easy pathways to test and implement XL SCAN worldwide

Puchheim, Germany, April 3, 2024 – SCANLAB GmbH, leading supplier for high-end laser scan systems, assures through partnerships minimized integration efforts for its advanced micromachining solution. XL SCAN, which was jointly developed with ACS Motion Control, processes work pieces of practically unlimited size by synchronously combining a 2D scan head with an XY positioning stage where the scanner and stages are continuously moving during laser processing. It is ideally suited for laser material processing in display manufacturing, semiconductor wafer processing, cutting large films, medical device manufacturing and drilling PCBs in electronics manufacturing. Collaborating with expert integrators globally ensures customers quick, low risk and efficient integration of this superior scanning solution. The latest integration partner, based in Silicon Valley is Turner Laser Systems providing turnkey customizable machines and process development services in the US.



The XL SCAN solution can improve accuracy, feature resolution and throughput of micromachining of larger sized parts by synchronously controlling a 2D scan head and 2-axis XY stage motion. The scan solution incorporates the expert know-how from market leading scan systems with the long-standing experience of controlling mechanical axes. It provides highest precision within a virtually limitless working area, which is a key feature for various applications in electronics manufacturing.

Global technical support for XL SCAN

Laser machine builders design and setup complete systems precisely in line with the respective process requirements. But integrating very specific components, like an advanced micromachining scan system, is usually not their main focus. Recognizing this, SCANLAB collaborates with selected partners who bring a profound understanding of lasers, precision motion, optics and their applications in micromachining. These partners possess an intimate knowledge of the XL SCAN and offer solutions with this advanced technology, making it effortless to incorporate in manufacturing.

In Europe Busch Microsystems offers a full-integration service. For XL SCAN users in South Korea, a technical support center has been established in partnership with

PRESTO SOLUTION. The services offered here range from pre-sales consulting, feature demos and individual testing sessions in an own laser application lab to commissioning and on-site support at customers' facilities. Now the US-based Turner Laser Systems completes the global support offer with turnkey solutions and process development services in their laser laboratory.

All partners base their service offer on the proven technology partnership with ACS Motion Control and the software provider Direct Machining Control (DMC).

Printable image material for download
<https://www.scanlab.de/en/news-events/image-library>

About SCANLAB:

SCANLAB GmbH is a world-leading and independent OEM manufacturer of scanning solutions for deflecting and positioning laser beams in three dimensions. At the company's headquarters in Puchheim near Munich, around 500 employees strive to ensure continuous innovation and a production capacity of over 40,000 systems every year.

SCANLAB's high-performance galvanometer scanners, and scan systems stand out from the crowd for their outstanding speed and precision, and are widely used in industrial material processing, electronics, food and beverage industries, as well as in biotechnology and medical technology.

Through groundbreaking developments in the fields of electronics, mechanics, optics and software, as well as the highest quality standards, SCANLAB has consistently extended its international technological lead over 34 years.

About ACS Motion Control:

Since 1985, original equipment manufacturers in semiconductor, electronics assembly, laser processing, flat panel display, biomedical, and other high-tech industries have trusted ACS Motion Control to improve machine performance, enhance design flexibility, accelerate application development, and minimize time to market.

With headquarters in Israel, subsidiaries in the United States, Germany, and China, and a global network of distributors and partners, our organization is structured to meet the needs of OEMs operating globally. Since 2017, we are a proud member of the Physik Instrumente (PI) Group.

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