

PRESS RELEASE

More Productivity for Micromachining and 3D Printing

New Scan System with 20-Millimeter Aperture Broadens Product Portfolio

Puchheim, Germany – May 28, 2019 – Laser technology manufacturer SCANLAB GmbH is extending its premium-segment product family with the excelliSCAN 20. This new scan system targets exceptionally demanding applications such as micromachining and additive manufacturing (3D printing). The excelliSCAN family's well-known advantages – smart servo control technology, a universal tuning and optimized cooling – will be supplemented via the new scanner with its larger 20-millimeter aperture.



The diverse demands of customers and applications are stretching laser processing's technological boundaries ever further. In 3D printing, key criteria include performance and dynamics – i.e. maximally efficient processes with high throughput. And the micromachining field is expanding its application spectrum from classic drilling and structuring of large-area

components all the way to functionalizing surfaces.

The new excelliSCAN 20 scan system possesses all excelliSCAN product family advantages: Innovative SCANahead servo control technology enables extra speed and precision. Improved thermal management permits higher long-term stability, even under high and varying loads. And digital encoder technology guarantees maximum positioning accuracy.

For 3D printing users, this larger-apertured system features a high-performance scan head with fast acceleration for exceptionally short acceleration periods. The notably higher dynamics raise productivity by shortening non-productive idle times, like jumps or changes of direction. And for micromachining scenarios such as OLED display fabrication, the 20-millimeter aperture permits processing of larger working fields at the same spot size as smaller-apertured scan systems.

“With the excelliSCAN 20, we’re serving demand from customers who want to break through their previous processing limitations. Initial application tests have been very promising,” comments CEO Georg Hofner on the scan solution's market launch. Test systems will be available for order shortly from the manufacturer.

Print-quality images can be downloaded at
<https://www.scanlab.de/en/news-events/image-library>



Current tradeshow calendar:

LASER World of Photonics 2019 from June 24 – 27, 2019, in Munich, Germany – Hall A2, Booth 225.

About SCANLAB:

With over 35,000 systems produced annually, SCANLAB GmbH is the world-leading and independent OEM manufacturer of scan solutions for deflecting and positioning laser beams in three dimensions. Its exceptionally fast and precise high-performance galvanometer scanners, scan heads and scan systems find application in industrial materials processing and the electronics, food and beverage industries, as well as biotech and medical technology. For over 25 years, SCANLAB has secured its international technology leadership through pioneering developments in electronics, mechanics, optics and software, as well as the highest quality standards.

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