

PRESS RELEASE

Green Laser Light Leaves Its Mark in Glass

SCANLAB Expands Scan System Product Line for Efficient Materials Processing

Puchheim, Germany – September 12, 2016 – SCANLAB AG is rounding out its range of attractively-priced scan heads. New to the ‘compact class’ is the basiCube 10, optimized for use with 532 nm green laser light. As a basiCube product family member, this scan system excels in laser marking applications at the new wavelength – as well as in laser-based (internal) glass engraving. The same applies to processing of precious metals, silicon wafers and other materials that respond poorly to typical infrared wavelengths.



Numerous industries are increasingly adopting laser processes for marking of products. The benefits are obvious: laser markings are waterproof and resistant to smudging, abrasion and solvents. Plus, they offer full design flexibility by not requiring stencils or solid moulds. The inherent contactless nature of laser processes makes marking and processing wear-free. And benefits accrue to other applications, too, such as durable direct bonding of electronic components on circuit boards.

Introduced in early 2015, the compact, remarkably cost-effective and very fast basiCube scan head quickly met with market success. Now SCANLAB expands this product family with a variant specially optimized for green laser light applications at the 532 nm wavelength. Such lasers are particularly well-suited for processing of glass, silicon wafers and (precious) metals. They enable generation of even the finest contours by focusing to very small spot sizes while simultaneously maintaining excellent beam quality and low heat development. This allows engraving 3D shapes inside a glass body or welding copper wires directly onto the silicon substrates of integrated circuits. Application areas are virtually unlimited, ranging from medical products, decorative items or jewelry, all the way to the semiconductor industry.

Like SCANLAB's other scan systems, these new scan heads are manufactured in Germany to the highest quality standards. The system is exactly as energy-efficient as the other ‘family members’ – for equal writing performance, less electrical power is consumed compared to other systems. This characteristic also positively effects the system's positional stability under load.

Print-quality images can be downloaded at www.scanlab.de/news-terminer/bildarchiv.



Current tradeshow calendar:

LASER World of Photonics India 2016 from September 21-23, 2016 in Bangalore, India. See SCANLAB in Hall 1 – Booth D021h at the 'German Pavilion'.

ICALEO 2016 from October 1-20, 2016 in San Diego, California, USA.

About SCANLAB:

With over 20,000 systems produced annually, SCANLAB AG 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 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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