

Minimum Size – Maximum Performance MINISCAN from RAYLASE

- **Innovative 2-axis deflection unit, with compact design including high-speed operation**

Wessling, xx. September 2008 – RAYLASE AG, the world's leading manufacturer of high precision components and sub-systems for the deflection, modulation and control of laser beam, has just launched a brand new 2-axis deflection unit: the MINISCAN. This latest galvanometer scanning head has been designed to be as small as possible. With this new unit, RAYLASE aims to meet the growing demand for more precise and compact systems. The new CE-certified MINISCAN is at present available with a 7 mm or 10 mm aperture, for a wide range of wavelengths.

RAYLASE AG's newest product combines precision with the very highest operating speed. With long-term drift of < 300 µrad over a period of more than eight hours, the MINISCAN not only achieves very impressive drift values, but can also meet increasing demands for high writing speed by delivering > 500 cps (characters per second) at high quality with the MS-10 in a working field of 120 mm x 120 mm.

With the MINISCAN, RAYLASE AG has set new benchmarks for 2-axis laser beam deflection units, in terms of size and weight. Weighing only 800 g, MINISCAN can easily be integrated into existing, modern systems. Its robust, dust-proof housing also means it can be used in extreme conditions. Like all 2-axis deflection units, the MINISCAN can be controlled via digital control card, or by using an analogue current or voltage interface.

Press Info

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The jobs MINISCAN can perform are as wide-ranging and varied as the product itself. The high-performance MINISCAN is ideal for material processing such as engraving, ablation, drilling, cutting and welding, and electronic production such as structuring, trimming and processing on the fly.

Overview of the MINISCAN:

- Lightweight design: 800 g
- Optimum drift values: Long-term drift over eight hours continuous use of less than 300 μ rad
- High writing speed: MS-10: In a working field of 120 mm x 120 mm more than 500 cps (characters per second)
- Robust, dust-proof housing that complies with CE standards

Images of the MINISCAN are available on request from the HBI PR agency: Martin_Stummer@hbi.de

About RAYLASE AG

RAYLASE AG develops and manufactures high-precision components and sub-systems for the deflection, modulation and control of laser beam for laser systems from a few milliwatts up to several kilowatts. The company, which has its headquarters in Wessling, near Munich, and is certified to DIN EN ISO 9001:2000, offers close consultancy work and customized products which are developed and optimized in cooperation with clients and their customers. A global network of distributors and representatives support the company's international sales operation. The in-house applications laboratory provides for in-depth testing of the company's own new developments, as well as for laser materials processing testing conducted in collaboration with clients. The products are particularly suitable for: Material processing such as marking, engraving, perforating, cutting, welding, rapid tooling, structuring, processing on the fly and 3D-applications. The revolutionary advance of PCD (Power Control Device), which makes it possible to dose the power of CO₂ lasers, is opening up new and ground-breaking possibilities in terms of applications for many companies in the printing, packaging, electronics and automotive industries. Leading global laser system manufacturers and integrators are successfully using RAYLASE products, and are won over by the quality, reliability and flexibility of these products every bit as much as by the competence and expertise of RAYLASE AG as a company.

For more information, please visit www.raylase.com