



The unique Razorscan-AC by Raylase

The new laser beam deflection unit with integrated auto-calibration offers maximum precision with guaranteed long-term drift stability

RAYLASE AG, a leading manufacturer of components and subsystems for the deflection, modulation, and control of laser beams, presents the RAZORSCAN-AC (RS-AC) featuring the world's first auto-calibrating galvanometers. The galvanometers, the integrated digital auto-calibration devices and the auto-calibration software were all developed in-house by RAYLASE. The precision 2-axis subsystem guarantees long-term stability: offset and gain errors are compensated in seconds. The innovative twin-shell design allows ambient temperatures of up to 40 degrees Celsius.

The integrated auto-calibration feature of the RAZORSCAN-AC ensures that gain drift and offset drift are corrected in seconds. The calibration software developed by RAYLASE and integrated in the DLL of the SP-ICE card can be used both by weldMARK 2.0 and by customer-specific software solutions.

The combination of exact verification of coordinates, control of deflection with μ rad precision, and auto-calibration makes the RAZORSCAN-AC product unique worldwide. The aluminum twin-shell construction ensures that generated heat is distributed across the entire deflector head, almost completely eliminating temperature gradients. Optimized temperature management ensures that the whole module maintains temperature equilibrium. The RAZORSCAN-AC, available with apertures of 10, 12, 14 and 20 mm, is ideal for accurate material processing such as rapid tooling, deep engraving, edge isolation, and trimming.

The RAZORSCAN-AC in brief:

- The world's first galvanometer scanner with integrated auto-calibration, for highest accuracy
- Guaranteed long-term stability
- Innovative twin-shell design for optimal thermal management
- Available with 10, 12, 14 and 20 mm aperture

Laser 2000 Benelux is gespecialiseerd in de distributie van lasers, op laser gebaseerde systemen, optische test- en meetapparatuur, optische componenten en fiber optiek voor industriële en wetenschappelijke toepassingen.

Mocht u na het lezen van dit persbericht nog vragen hebben en/of geïnteresseerd zijn in verder beeldmateriaal, dan kunt u ons bereiken op ons directe telefoonnummer +31 (0)297-266 191 of per e-mail vanhof@laser2000.nl