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ISO Compliance of Non-Contact, Real-Time Beam Analysis

Laser power levels used in production have risen significantly. Welding systems commonly use laser powers in the range of multiple kW. To deliver high product quality, key parameters of the laser beam must be measured regularly. Ophir has tackled the task and developed a non-contact measurement technology based on Rayleigh scattering that enables the measurement of high-power beams without touching the laser. Here we show how this technology fully complies with the ISO11146 standard.

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