

Press Release

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The Photon Makes the Difference!

Light – the optimal sensor for process-integrated measurement

Industrial production throughput and quality play a critical role in commercial success. In today's typically automated manufacturing and machining processes, guaranteeing specified product characteristics in line, as well as optimal process management, are unthinkable without the use of integrated measurement and sensor technology. Here, rapid and robust testing technologies based on optical sensors and measurement methods play a key role.

The reasons for this are the availability of lasers and LEDs as "tailor-made" light sources, enormous systematic versatility, the fact that they are non-contact and thus non-invasive, plus the level of measurement accuracy of optical measurement methods that can be achieved - generally extremely high – coupled with uncomplicated and flexible operation.

It's here that specialist partners such as Polytec offer users, even for persistently challenging and unconventional problems, an optimal measurement solution based on compact and industry-standard interferometric, spectrometric and imaging sensors. They supply in real time the critical data required to reject defective components or to correct critical process parameters. In this context Polytec specializes in the measurement of vibrations, length, velocity, surface quality and chemical composition.

More information at: www.polytec.com/industrial

Publication free of charge

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