



Press Release

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Jenoptik Strides Ahead with Cutting-Edge Laser Modulation Technology.

A new generation of pulse selectors makes Jenoptik modulators easier to control and increases their efficiency.

The key feature of the new [Pulse Selector IOM](#) is the automatic adjustment of the operating point, which ensures that the modulator's offset voltage is adjusted regularly and guarantees that pulse control is always accurate. Manual readjustment is therefore no longer necessary and the modulator can be used in continuous operation while maintaining the same quality standards. Thanks to the integrated USB port, the pulse selector can now be controlled from a PC, meaning it is much more user-friendly and adjustments are even easier.

Pulse selectors – reliable pulse picker controllers for integrated-optical amplitude modulators – have been part of Jenoptik's range since 2007. When used with fiber lasers, they ensure a steady reduction in the laser pulse repetition rate with high pulse suppression. This is essential for the reliable functioning of oscillator-amplifier systems. Jenoptik pulse pickers are used in precision material processing in areas such as semiconductor production and medical technology.

Wolfgang Keller, Deputy Head of Jenoptik's Optical Systems division, has high expectations for this new product range: "The use of fiber lasers for precision applications, such as in semiconductor production, has increased dramatically over the last few years. Modulators and the associated controllers are essential for these applications and Jenoptik has offered both for some time now. The feedback we receive from our customers shows that they place a great deal of trust in us. With the new features of the Pulse Selector IOM, we are providing our customers with even more benefits, thanks to increased reliability and safe handling."



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About Jenoptik Optical Systems division

As an integrated optoelectronics group, Jenoptik operates in five divisions: Lasers & Material Processing, Optical Systems, Industrial Metrology, Traffic Solutions and Defense & Civil Systems.

Through its [Optical Systems division](#), the Jenoptik Group delivers world class precision optics and systems designed and manufactured to the highest quality standards.

Besides offering customized systems, modules and assemblies, the Optical Systems division is a development and production partner for optical, microoptical and coated optical components - made of optical glasses, IR materials as well as polymers. It possesses outstanding expertise in the development and manufacture of optics and microoptics for beam shaping used in the semiconductor industry and laser material processing.

The product portfolio also includes components and systems for the areas of defense & security, life sciences and lighting as well as for digital image capture and processing.

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