Press release

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**High-performance LED micrometer**

**The optoCONTROL 2700 high-performance LED micrometer stands out thanks to its supreme precision and ease of use. Among other things, it is used for inline quality control and machine monitoring. With measuring ranges of 10 and 40 mm, numerous different applications can be covered.**

The optoCONTROL 2700 is a compact high-performance LED micrometer characterized by exceptional precision, a high measuring rate, and ease of use. Two models with measuring ranges of 10 and 40 mm cover a wide range of applications in automation and quality assurance. The active tilt angle correction enables precise detection of objects, even if they are inclined by up to 45°.

Configuration is performed via an intuitive web interface, which makes it possible to set video signals, filters, and various measuring modes. In set-up mode, a shadow image aids with the precise alignment of the target. The system is insensitive to ambient light and is also suitable for harsh ambient conditions and for measuring transparent or reflective objects. Furthermore, the large measuring distance enables flexible integration into various applications.

Roller gap measurement during calendering

The highly accurate LED micrometer is used in quality assurance and machine monitoring. An important measurement task here is the monitoring of the roller gap in calender systems. The gap size is a key factor for controlling and monitoring the production of strip and sheet products. The optoCONTROL 2700 enables precise measurement of micro-gaps of less than 50 µm during the rolling process and thus ensures high-precision distance control in real time.

Due to the angle measurement, the position of the rollers in relation to each other is detected with absolute precision. This technology ensures constant material accuracy, even in the material width, and helps to avoid material waste. The micrometer is an efficient solution for optimizing rolling processes and ensuring consistently high product quality. The high-performance micrometer will soon also be available with a cable outlet for

confined installation spaces. Thanks to the integrated controller, cabling and installation work is reduced to a minimum.

approx. 2,200 characters including spaces



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