

WILD

3D MEASUREMENT TECHNOLOGY



start the process

IT TAKES AN ENORMOUS BANDWIDTH OF KNOW-HOW AND SPECIAL ASSEMBLY EXPERTISE TO DEVELOP AND MANUFACTURE PRECISE OPTICAL MEASUREMENT INSTRUMENTS.

WILD has developed both over decades.



Why is WILD an ideal systems partner for 3D measurement technology?

Optical measurement technology is an extremely broad field and requires expertise in several different disciplines. All in all, the development and manufacturing of 3D measurement microscopes, 3D laser scanners or photogrammetry camera systems demands an in-depth understanding of the way they function. The staff at WILD have acquired this expertise over decades and specialise in the adjustment and testing of optical measurement technology. Among other things, the systems partner benefits from its experience in high-precision manufacturing, the handling of laser systems and the integration of electronic and software components. In addition to that, WILD knows how to deal with customers' high requirements with regard to optical quality and robustness.

How important are cleanliness requirements in this respect?

WILD offers a customised production environment depending on the project and ranging from assembly in special flow boxes, in which the lasers are adjusted in the μ -range, to precision cleaning and cleanroom manufacturing. Moreover, separate laser protection areas are integrated into the cleanroom.

When manufacturing 3D measurement technology systems, precision is of utmost importance.

How does WILD guarantee such precision?

In addition to a stable manufacturing process, it is important to test optical measurement systems according to the intended application and to develop corresponding final tests, which can be documented in a traceable manner. WILD relies on customer-specific solutions and has invested in highly diversified test equipment in recent years, including the integration of a 15-meter-long test track in the assembly hall which guarantees laser safety and is equipped with a fully-automated measurement system with digital data collection. A 360° calibration room has also been installed on the site.

In addition, a specially adapted site is located outside the factory building which is used, among other things, for testing the UltraCam Panther, a high-end rucksack for mobile measurements. Moreover, WILD provides support to its customers during the development stage. This ranges from supposedly minor details, such as constructive improvement proposals regarding stability, leak-tightness or the choice of adhesives to various optics simulation tools available in the firm's optics laboratory.

Your Contact

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