

WILD



INDUSTRIAL LASER TECHNOLOGY



start the process

WILD HAS BEEN DEVELOPING AND PRODUCING BESPOKE LASER TECHNOLOGY SOLUTIONS FOR ITS CUSTOMERS FOR MORE THAN 25 YEARS.

The systems partner is well prepared for current and future requirements in the industry.



What has WILD focused on in the area of laser technology?

From ultrashort pulse lasers for material processing and laser modules for nano-particle sensors to 3D measurement technology - WILD develops and produces optomechatronic assemblies and complete devices incorporating laser technology. As a systems partner, we are proficient in all of the necessary technologies. This begins with optics design and beam shaping, covers all areas of mechanical manufacturing of precision parts, optics adjustment in the μrad range and even includes final acceptance tests. With regards to the laser sources, we have also created and integrated expertise in various areas such as diode lasers (for measurement and scan applications), fibre lasers (for data transfers and medical applications) and gas lasers (for cutting and engraving).

How does WILD address the particular challenges posed by the development and production of industrial laser systems?

Especially in industrial environments, lasers must often withstand harsh conditions. High-precision measuring instruments such as laser scanners must deliver precise scans despite dust, humidity or direct sunlight. Also in materials processing utmost precision and performance must be maintained despite extreme conditions. Achieving such stability requires many years of expertise as well as the corresponding cleanliness requirements and protection measures in the development of such laser modules.

Why is WILD the right partner for me?

WILD is ideally positioned for the role of a strategic partner in laser technology: When it comes to creating new laser generations, leading manufacturers have been turning to our proven concept of co-engineering for years, which helps them achieve shorter times to market. In manufacturing, we cover all stages in the creation of a product ranging from the development of the adjustment processes to the installation of the necessary measurement environment and test equipment. Thanks to ongoing investments in component and cleaning processes and in our cleanroom manufacturing, we can offer our customers a safe and closed process chain. This guarantees that all components are free from particles and film-type contamination. In addition, we have our own laser safety cabins installed within the cleanroom.

Which wavelength ranges and power classes does WILD have experience in?

WILD possesses the necessary know-how for the wavelength range from 380nm to 1700nm. When it comes to power classes, the systems partner's experience covers the entire range from milliwatts to kilowatts of optical power.

Your Contact

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