

Smart never gets old

Ultra-reliable OEM diode laser system iBeam smart celebrates 10th anniversary

20 years of industrial diode lasers at TOPTICA, 10 years iBeam smart, close to 10.000 units in the field, and still illuminating the scientific and industrial world – obviously, smart never gets old.

In all this time the customers can rely on TOPTICA's profound expertise and professional care, no matter whether their need is hundreds of units or just a few pieces. Customization for specific use cases has been standard procedure for the TOPTICA team.

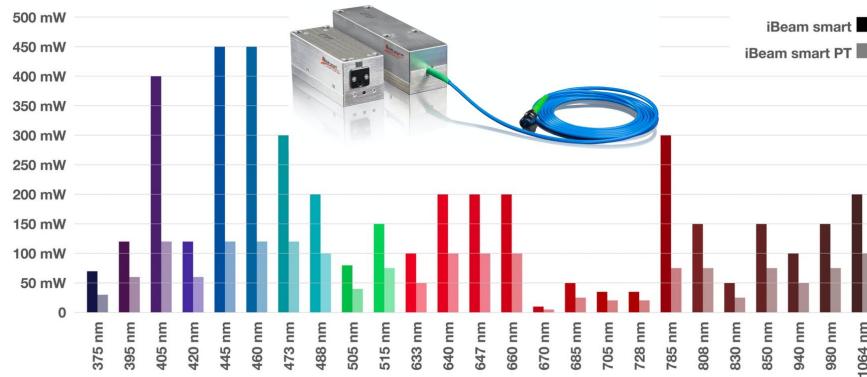
iBeam smarts shine strong as one of the critical components in industrial test and measurement applications as well as in numerous labs around the globe. Reliability and performance keep the iBeam smarts in metrology tools in semicon as well as in advanced experimental setups in all areas of science. The iBeam smart's cost-effectiveness supports industrial design-to-cost as well as the tighter budgets in university research. Being plug-and-play and conveniently computer-controlled, integration and installation of iBeam smarts is simple and permits a flexible reaction to new demands and setups in the years of science to come.

More power and additional wavelengths

Driven by the ever-innovating photonics world, multiple requests for novel wavelengths and of course more power, TOPTICA has broadened its iBeam smart portfolio. A significant power upgrade up to 450 mW in the 405 - 460 nm wavelength range, extraordinary 200 mW at 647 nm and 660 nm, as well as more wavelength options in the near IR permits TOPTICA to serve even more industrial applications and research fields.



iBeam smart – High-Performance Single Mode Diode Laser



With cw or analog, digital, and mixed modulation operation, the iBeam smarts support a broad variety of applications in biophotonics, microscopy, semicon inspection, industrial manufacturing and homeland security.

For any further information please consult our web page at:

www.toptica.com/smart

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TOPTICA has been developing and manufacturing high-end laser systems for scientific and industrial applications for 20 years. Our portfolio includes diode lasers, ultrafast fiber lasers, terahertz systems and frequency combs. The systems are used for demanding applications in biophotonics, industrial metrology and quantum technology. TOPTICA is renowned for providing the widest wavelength coverage of diode lasers on the market, providing high-power lasers even at exotic wavelengths.

Today, TOPTICA employs 340 people worldwide in six business units (TOPTICA Photonics AG, TOPTICA eagleyard, TOPTICA Projects GmbH, TOPTICA Photonics Inc. USA, TOPTICA Photonics K.K. Japan, and TOPTICA Photonics China) with a consolidated group turnover of € 76 million.