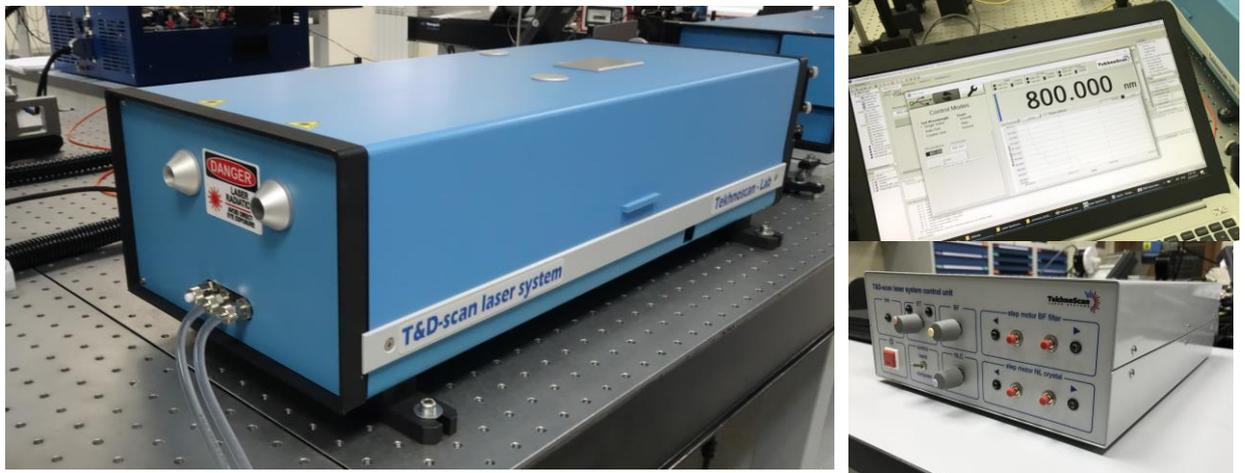
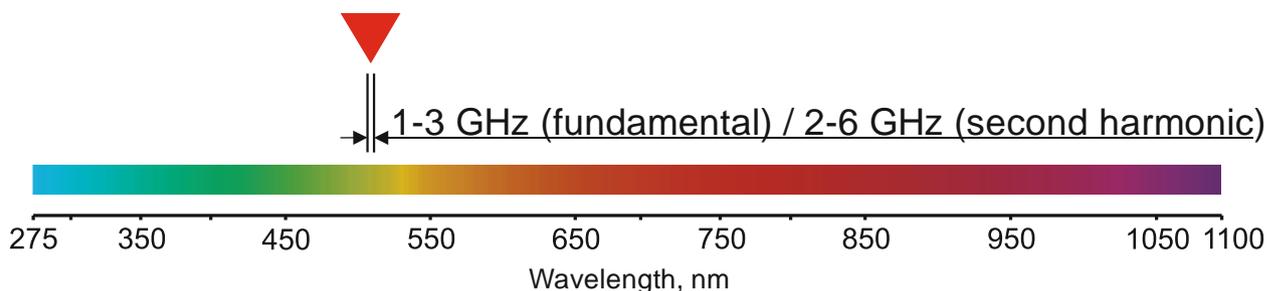


T&D-scan laser system

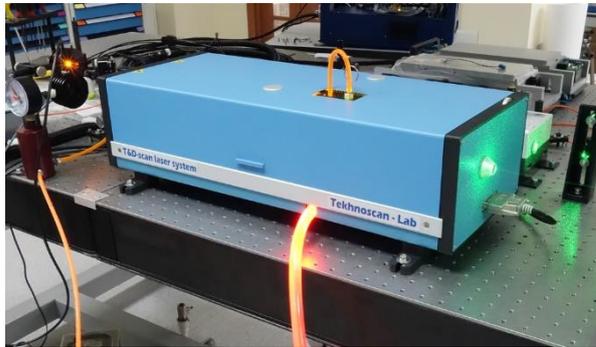


We would like to offer you our unique T&D-scan laser system intended for UV-Vis-NIR high-precision spectral measurements and calibrations. T&D-scan laser system can be set to any output wavelength in the 275-1100 nm range, while delivering a narrow line width of 1-6 GHz / $\sim 1-6$ pm / $0,03-0,18$ cm^{-1} / $4-24$ μeV . T&D-scan laser system is powered by a combination of leading-edge widely tuneable Ti:Sapphire and dye-jet lasers whose working range is extended into the blue-UV spectral range with intra-cavity frequency doubling technology. The output radiation wavelength of T&D-scan laser system is digitally controlled through a computer interface with the help of a built-in high-accuracy wavelength meter.



The state-of-the-art concept of T&D-scan laser system unites the latest scientific achievements in the field of tuneable laser sources of radiation and technology innovations in the field of smart laser spectrometers. Control modes of T&D-scan laser system include automatic setting of any given wavelength within the working range, output wavelength scanning within a specified spectral range, as well as different modes of data acquisition and recording.

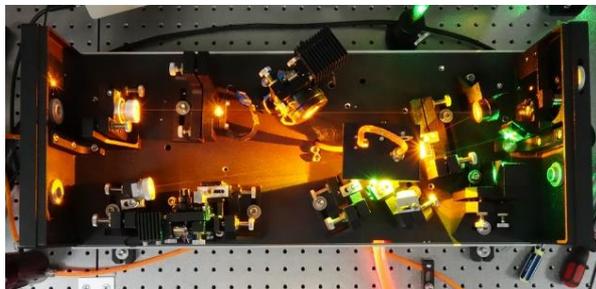
T&D-scan laser system is, in essence, a multi-spectral photonic system of a new generation incorporating several laser sources in a single unit. Research, exploration, calibration, testing and other tasks are efficiently performed with T&D-scan laser system.



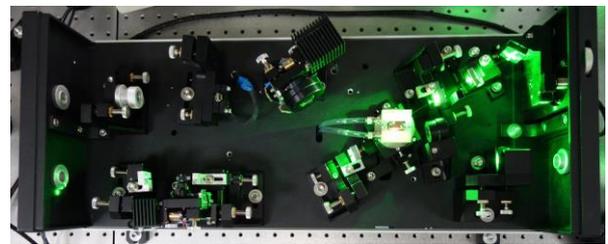
T&D-scan in Dye laser configuration



T&D-scan in Ti:Sa laser configuration



T&D-scan in Dye laser configuration



T&D-scan in Ti:Sa laser configuration

Many customers world-wide highly appreciate the unique features of T&D-scan laser system and advantageously use it to solve problems requiring narrow-band radiation with different and variable output wavelengths over an ultra-broad spectral range spanning UV, visible, and near-IR domains. Among major users of T&D-scan laser systems are Panasonic (Japan), Drexel University (USA), TU Dortmund University (Germany), National Institute of Metrology (China), and others.

Order delivery procedure of T&D-scan laser system offers highly professional customer experience: the system installation and user training is performed by a representative of the manufacturer, thus ensuring efficient utilisation of all the functions and capabilities of the systems, as well as optimal solution to the Customer's problems. Upon system installation and personnel training, the manufacturer offers the Customer on-line consultation and 24/7 help.

T&D-scan laser system is a fine example of leading-edge products based on the latest advances in photonic technologies. This is a system with optimal complexity, which can be operated by students and used to quickly and efficiently solve many problems, which require advanced intellectual multispectral capabilities.