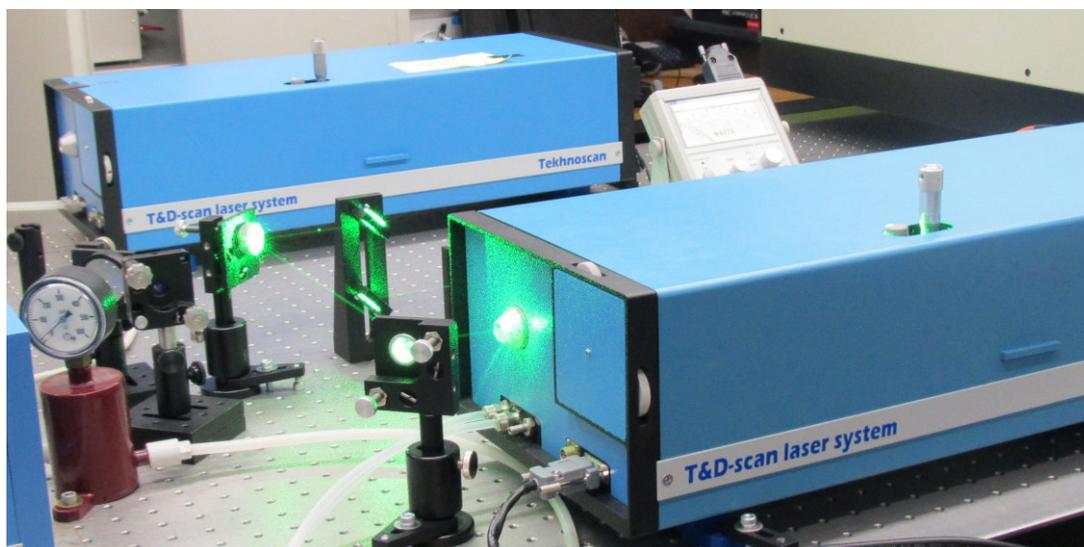


T&D-scan

Multi-Spectral CW Laser System with Narrow Line and Computer Control



1

NARROW LINEWIDTH

3

BUILT-IN WAVELENGTH METER

2

SUPER-BROAD SPECTRAL RANGE

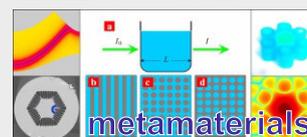
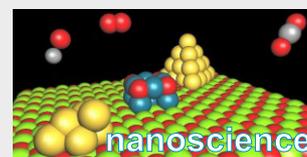
4

AUTOMATED WAVELENGTH SETTING

Tekhnoscan unveils a unique fully computer-controlled powerful broadly tunable laser system for research studies and applications demanding fine spectral resolution and high spectral density of CW radiation within UV-VIS-NIR spectral ranges.

Our automated laser system based on Tekhnoscan's CW narrow-line lasers comes as a perfect embodiment of modern ideas and technology innovation in the field of scientific- and high-tech-oriented smart tunable laser spectrometers. Novel advanced design of the fundamental laser component implements efficient intra-cavity frequency doubling as well as provides a state-of-the-art combined ultra-wide-tunable Ti:Sapphire & Dye laser covering a super-broad spectral region between 275 and 1100 nm.

The T&D-scan laser system includes, as its base, a CW ultra-wide-tunable narrow-line laser, high-precision wavelength meter, an electronic control unit driven through USB interface as well as a software package. The laser system is controllable through a user-friendly computer interface that offers a variety of modes for setting and scanning of the radiation wavelength as well as different modes of data acquisition and recording.



Features

- ✓ Continuous tuneability in ultra-wide spectral range
- ✓ Most flexible architecture, intra-cavity frequency doubling, two high-effective spectral selectors
- ✓ User-friendly computer interface, LabView™ based software
- ✓ Wavelength accuracy 0.001 nm
- ✓ High-speed, high-precision ADC for acquisition of experimental data

Applications

- ✓ Nanoscience
- ✓ Studies of new materials
- ✓ Quality control
- ✓ Calibration of imaging spectrometers
- ✓ Remote sensing
- ✓ Pollution monitoring

Laser Specifications

Wavelength range	275-1100 nm (275-350 nm / 350-550 nm / 550-700 nm / 700-1100 nm)
Linewidth	1-6 GHz (depends on spectral range)
Scanning modes	smooth scanning / step-scan / scanning with stitching
Output power	up to 4,5 W in the range 550–1100 nm up to 500 mW in the range 275–550 nm

Contacts

Tekhnoscan-Lab
Inzhenernaia Str., 26,
Novosibirsk, 630090 Russia

Technology Park of Novosibirsk
Akademgorogok

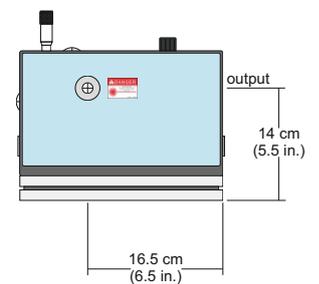
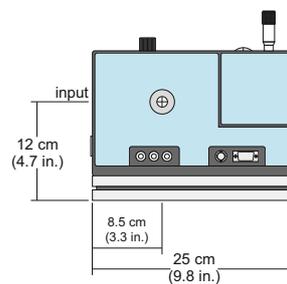
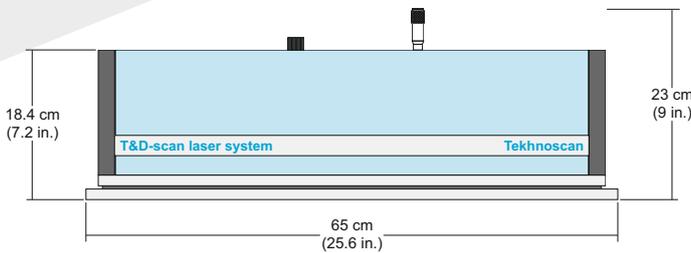
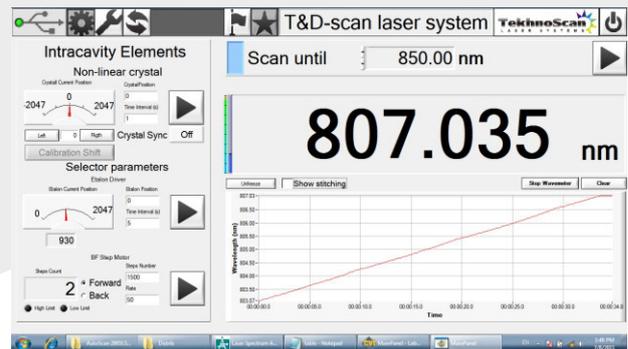
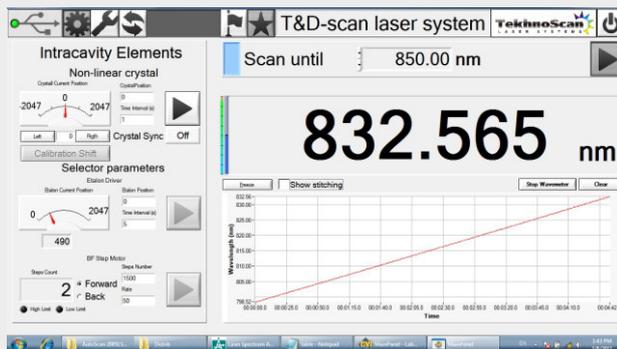
+7 383 214-00-09
+7 383 363-69-12(14)
+7 383 363-69-13
service@tekhnoscan.com

www.tekhnoscan.com

HT Laser UG
Feldstiegenkamp 2
48159 Münster, Deutschland

Tel: 025 132373444
Fax: 025 349746853

info@htlaser.de
www.htlaser.de



Information and specifications contained herein are deemed to be reliable and accurate as of the publication date. Tekhnoscan reserves the right to change these specifications at any time without notice.

