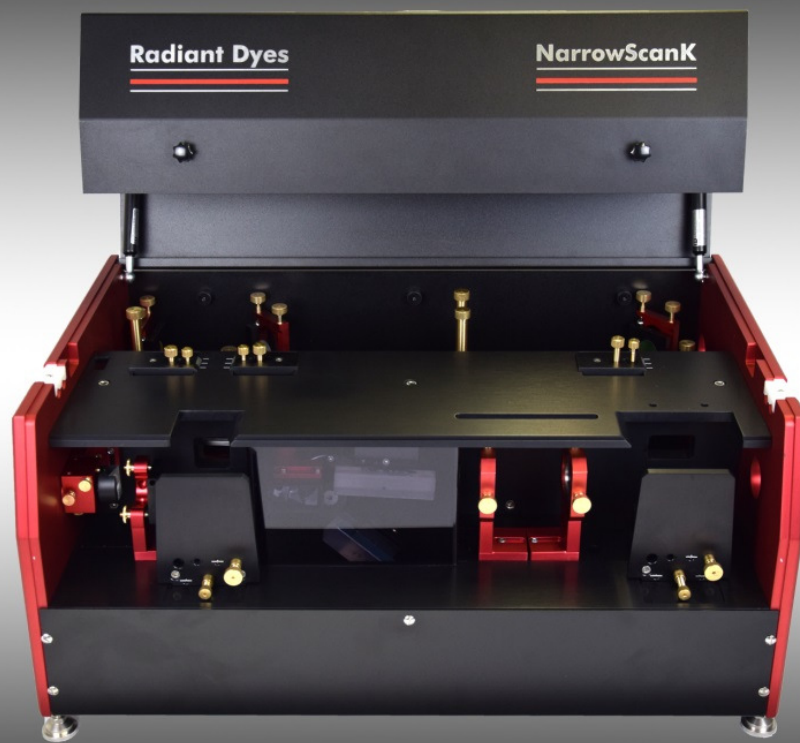


## NarrowScanK Compact Dye Laser



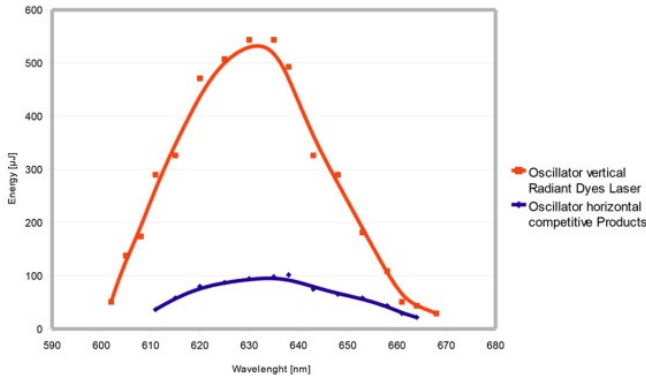
### Features:

- \* 1 - 100 Hz repetition rate
- \* up to 1J pump energy @ 532 nm
- \* Small size
- \* Oscillator with vertical design
- \* Easy and fast dye change
- \* High-precision mechanical components

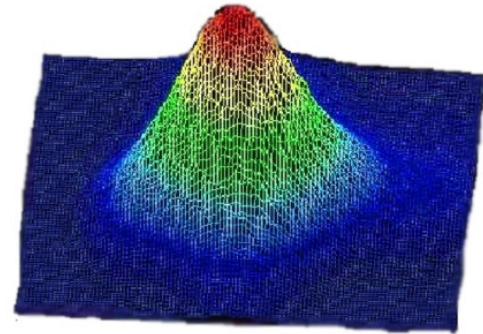
# Radiant Dyes Laser Acc. GmbH

## Specifications of NarrowScanK:

Energy of the Oscillator with vertical design:



Beamprofile with Bethune cell:



### Configurations:

NarrowScanK	Grazing Grating	Tuning Element	Tuning Range	Bandwidth [cm-1]
Single Grating	1800 l/mm	Mirror	370 – 900 nm	≤ 0,07 @ 580 nm
Single Grating	2400 l/mm	Mirror	370 – 740 nm	≤ 0,06 @ 580 nm
Single Grating	3000 l/mm	Mirror	370 – 610 nm	≤ 0,05 @ 580 nm
Double Grating	1800 l/mm	1800 l/mm	370 – 850 nm	≤ 0,05 @ 625 nm
Double Grating	2400 l/mm	2400 l/mm	370 – 710 nm	≤ 0,04 @ 580 nm
Double Grating	3000 l/mm	3000 l/mm	370 – 580 nm	≤ 0,03 @ 570 nm

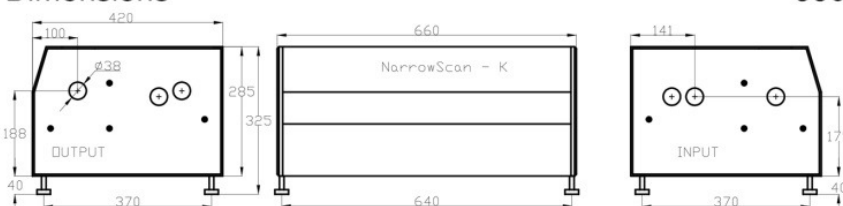
### Beam and wavelength specifications:

Wavelength reproducibility @ 580 nm  
 Absolute accuracy of the wavelength @ 580 nm  
 Wavelength stability  
 Divergence  
 Polarization  
 ASE-background

< 0,0025 nm (typically < 0,0009 nm)\*  
 < 0,02 nm (typically < 0,01 nm)\*  
 < 0,001 nm/°C  
 0,5 mrad  
 > 98 %  
 < 0.5 %

\* temperature stabilized

### Dimensions



All specifications are subject to change without notice

**Radiant Dyes Laser & Acc. GmbH,**  
 Friedrichstr. 58, 42929 Wermelskirchen, Germany  
 Tel: 0049 (0)2196-81061, Fax: 0049 (0)2196-3422  
<http://www.radiant-dyes.com>, E-mail: [info@radiant-dyes.com](mailto:info@radiant-dyes.com)

