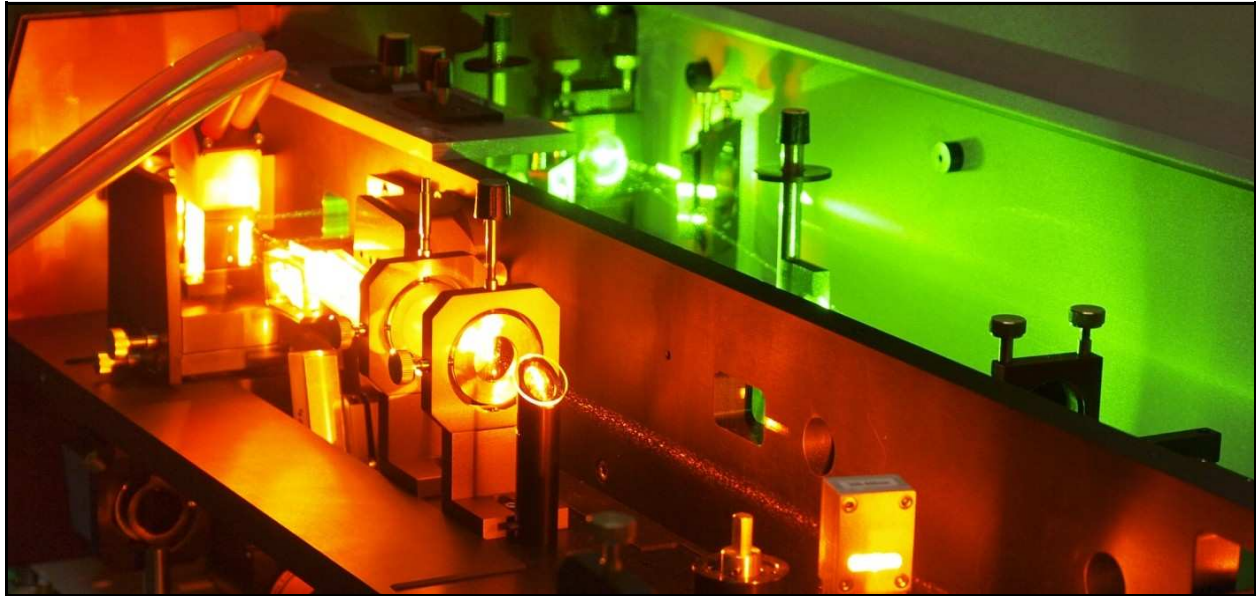


# Radiant Dyes Laser & Accessories GmbH

## NarrowScan High Rep.



Our NarrowScan series with polarization matched oscillator is ideal for multi-kHz, Q-switched pump sources. The high power dye laser output with high spectral purity and stability can be frequency doubled with high conversion efficiency.

### NarrowScan DR pumped by 5 kHz Nd:YAG Laser IS12II-E



#### Standard:

60 mm single grating  
90 mm single grating  
90 mm double grating

Dye circulator:

RDG 5000 FC20

C++ and LabView software

#### Options:

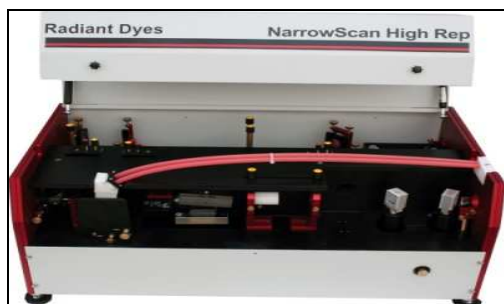
internal FCU with Autotracker and  
Lookup Table  
internal Bandwidth Monitoring

	<i>IS12IIE</i>	<i>NarrowScan High Rep.</i>	
		<i>fundamental</i>	<i>2<sup>nd</sup> harmonic</i>
Wavelength	532 nm	595 nm	297.5 nm
Repetition Rate	5 kHz	5 kHz	5 kHz
Pulse Energy	8 mJ	2 mJ	0.24 mJ
Average Power	40 W	10 W	1.2 W
Pulse Length	7 ns	5 ns	
Bandwidth single Grating (2400 l / mm )		< 0.06 cm <sup>-1</sup>	
Bandwidth double Grating 2 x (2400 l / mm )		< 0.04 cm <sup>-1</sup>	

# Radiant Dyes Laser & Accessories GmbH

## NarrowScan High Rep.

### NarrowScanM pumped by 5 kHz Nd:YLF Laser Evolution-90



#### Standard:

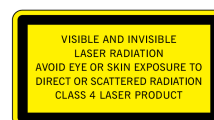
60 mm single grating or  
90 mm single grating  
Dye circulator:  
RDG 5000 FC20  
C++ and LabView software

#### Options:

internal FCU with Autotracker &  
Lookup Table  
internal Bandwith Monitoring

	<i>Evolution</i>	<i>NarrowScan High Rep.</i>	
	<i>90</i>	<i>fundamental</i>	<i>2<sup>nd</sup> harmonic</i>
Wavelength	527 nm	565 nm	282.5 nm
Repetition Rate	5 kHz	5 kHz	5 kHz
Pulse Energy	18 mJ	2 mJ	0.06 mJ
Average Power	80 W	10 W	300 mW
Pulse Length	150 ns	120 ns	
Bandwidth single Grating 60 mm (2400 l / mm)		0.04 cm <sup>-1</sup>	

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Radiant Dyes Laser & Accessories GmbH

[For further questions please visit](#)

[www.radiant-dyes.com](http://www.radiant-dyes.com)