

FTSS Dye Laser

New Solid State Laser Pumped Tunable Dye Laser System

400 - 900 nm with option of frequency doubling for 205 - 400 nm

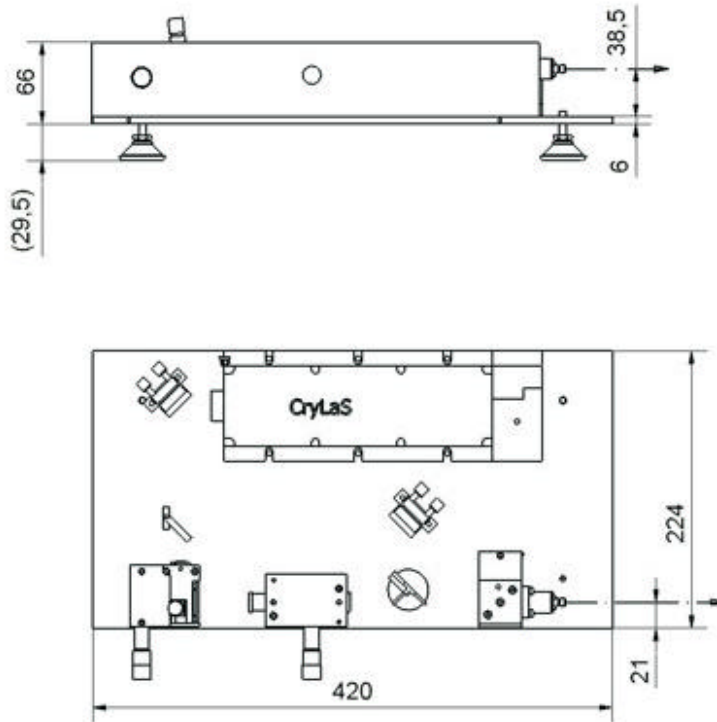
- 355nm DPSS Laser Pump
- Repetition Rate up to 100Hz
- Dye Laser in Different Resonator Designs
- Narrow Linewidth Operation
- Free Beam or Multimode Fiber-Coupling
- Tuning Range for Each Dye Cell from 15nm up to 70nm
- Manually Tuning of Dye Laser and SHG
- Variable Laser Configuration by Flip Mirrors
- SHG Unit, Dye and Pump Laser as Compact Unit
- Computer Controlled Laser and SHG Tuning (optionally)
- Easy Wavelength Change



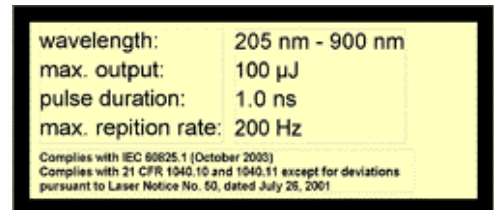
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Basic System		- DPSS-Pump-Laser FTSS 355-50			
		- Dye Laser			
UDL dye laser		100	200	300	
Pump wavelength	(nm)	355	355	355	
Max. pump energy	(µJ)	70 -100	70 -100	70 -100	
Typ. Conversion efficiency	%	25	20	3	
Wavelength range	(nm)	400 - 900	400 - 900	400 - 900	
Spectr. Bandwidth	(nm)	5 - 8	= 2	= 0,1	
Resonator configuration		Two plan-mirror	Littrow mounting	Grazing incidence	
Max. repetition rate	(Hz)	20 *	20 *	20 *	
Options		<ul style="list-style-type: none"> • Frequency doubling unit SHG 1 integrated in the dye laser set-up wavelength range from 225 nm - 400 nm; conversion efficiency 8% • Frequency doubling unit SHG 2 integrated in the dye laser set-up wavelength range from 205 nm - 225 nm; conversion efficiency 6% • Fibre coupled output SMA-connector; 400 µm Quartz fibre 1m long; output efficiency 70% • Automated tuning Tuning of the dye laser / frequency doubling unit via PC 			
	* higher repetition rates require a dye cell with internal circulator or circulating system with pump unit !				

Dimensions:



Laser Safety Labels



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