

Products

## NovaTru™ POWER 488 Power Stabilized

50mW

This laser module offers ultra stable power performance with VBG locked-on linewidth and/or precise power control in the same compact footprint as our other NovaTru modules. It's also available in multimode and single mode versions.

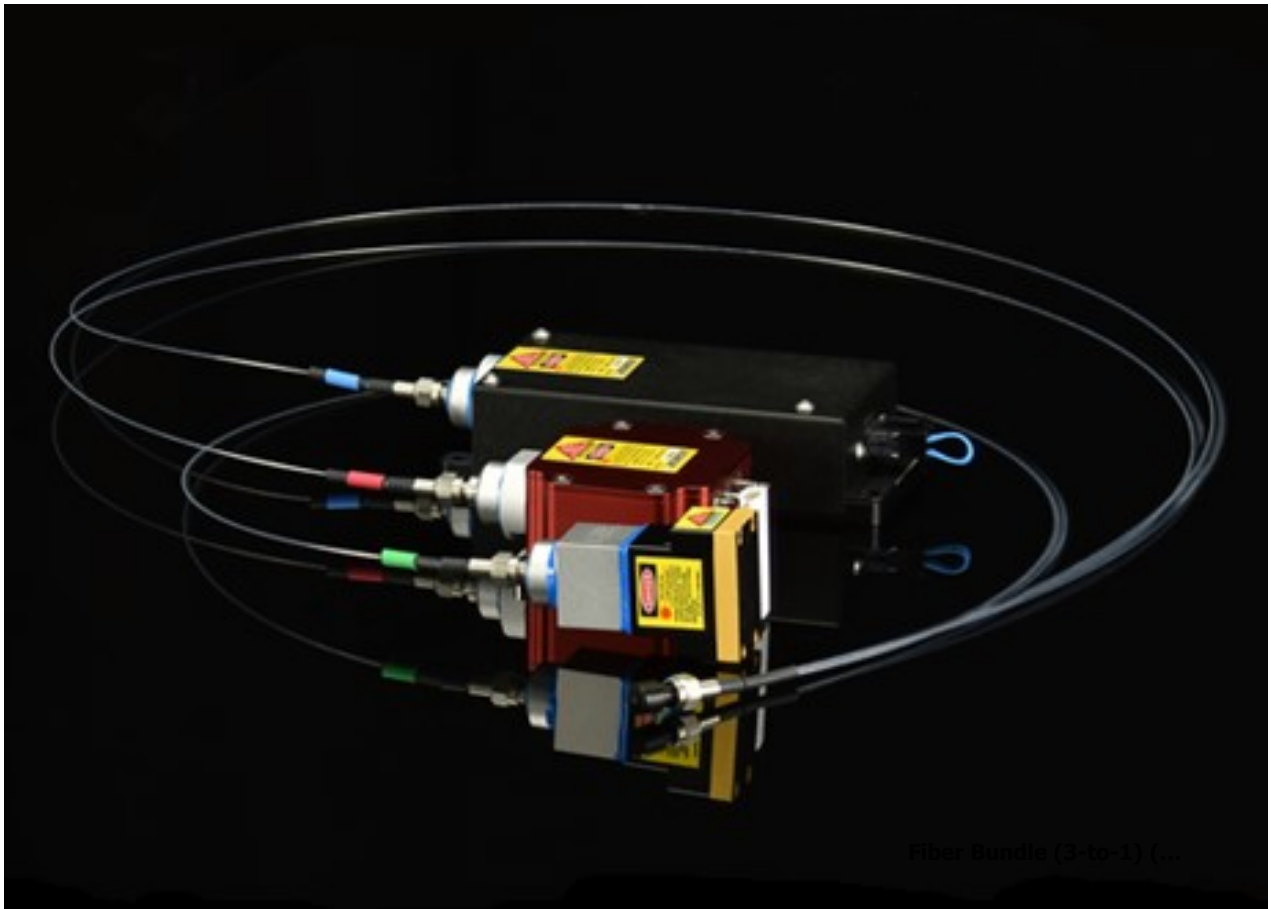


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## **Optional Accessories**







Fiber Bundle (3-to-1) (...



Transport Fiber (400 μm)

## Features

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Ultra Stable Output Power  
Compact, Small Box Design  
Low Power Consumption  
Power Stabilized to <math><0.4\%</math>

## Applications

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Raman Excitation  
Flow Cytometry  
Metrology  
Spectroscopy  
Semiconductor Processing

## Operating Specifications

Parameter	Units	Min	Typical	Max
Output power (Free Space)	mW		50	
Spectral linewidth	nm		1-2	
Wavelength stability (over 8 hours)	nm		+/- 1	
Optical power stability (over 8 hours)	% pk-pk		< 0.4	
Noise (10Hz - 100MHz)	%rms		0.2	
Adjustable Output Power			10-90%	
Beam quality (m <sup>2</sup> typical) vertical			1.2	
Beam quality (m <sup>2</sup> typical) horizontal			1.1	
Beam size vertical	mm		1.8	
Beam size horizontal	mm		0.6	
Beam aspect ratio			3	
Beam divergence—vertical	mrad		0.8	
Beam divergence—horizontal	mrad		1.3	
Beam pointing stability (over 8 hours)	μrad		<50	
Beam pointing accuracy	degrees		1	
Polarization ratio	linear		100:1	

## Electrical Specifications

Case temperature	°C		10–40	
Humidity (non-condensing)	%		5–95	
DC input 1			0.5A @ 9V	
DC input 2			2A @ 3V	
Warm-up time (typical)	sec		10	
Power consumption (typical/max)	W		< 12	



## **Stay in Touch**

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