

Products

NovaTru™ POWER 405 Power Stabilized

10–150mW

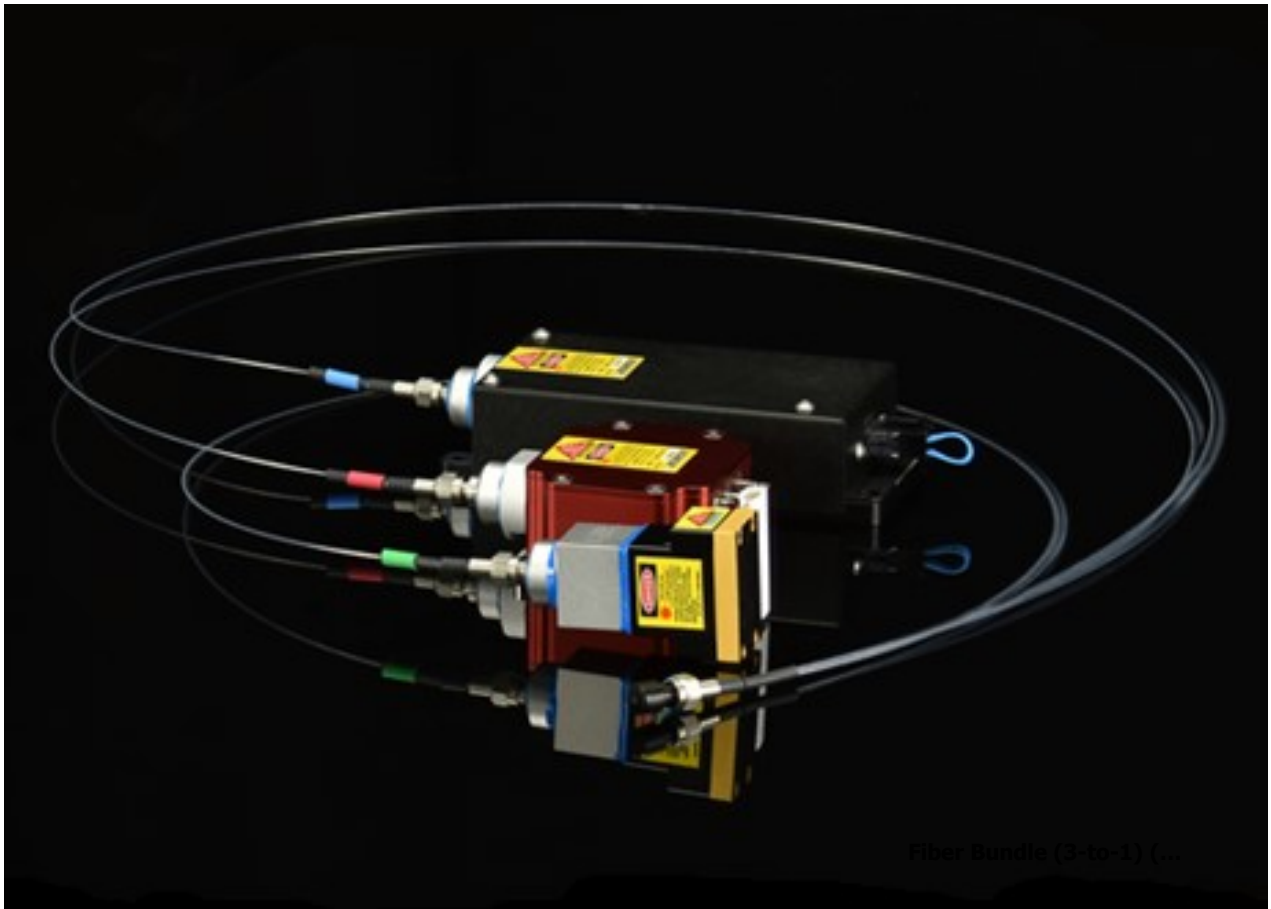
This laser module offers ultra stable power performance with VBG locked-on linewidth and/or precise power control in the same compact footprint as our other NovaTru modules. It's also available in multimode and single mode versions.



Optional Accessories







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



Transport Fiber (400 μm)

Features

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

Applications

Flow Cytometry
Metrology
Particle counting/sizing
Spectroscopy

Operating Specifications

Parameter	Units	Min	Typical	Max
Output power (Free Space)	mW	10		150
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 ² typical) vertical			1.2	
Beam quality (m ² typical) horizontal			1.1	
Beam size vertical	mm		1.2	
Beam size horizontal	mm		0.6	
Beam aspect ratio			2	
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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