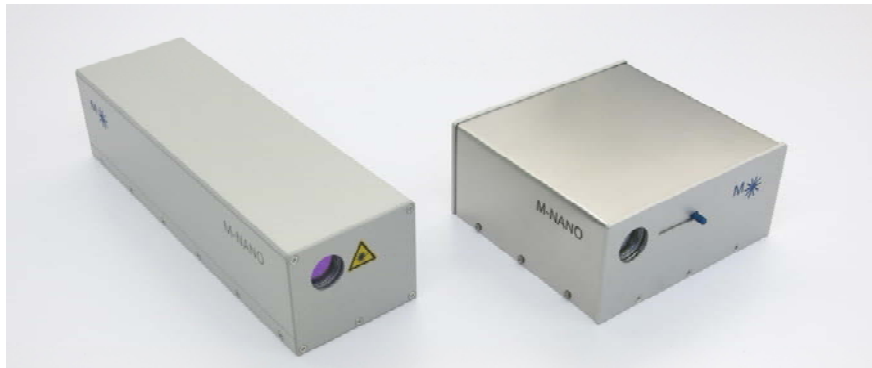




M-NANO Integrated Series

Uniquely compact 50-to-100-mJ-level, 8-ns Nd:YAG all-in-one laser with integrated electronics



Description	Extremely small 50-to-100-mJ level, pulsed Nd:YAG laser head with integrated control electronics, providing a laser source with an all-in-one design. The compact laser head is suited for space-constrained and handheld application. Excellent compactness, high efficiency, low weight, good beam quality and high average powers are benefits over existing flash-lamp-pumped systems and enable battery-powered setups.		
Applications	<ul style="list-style-type: none"> - Laser analytics - Non-linear optics - Laser amplification - PIV – Particle Imaging Velocimetry 	<ul style="list-style-type: none"> - LIBS – laser-induced break down spectroscopy - Optical damage testing - Defense - LIDAR 	
Models	<ul style="list-style-type: none"> - 4W model, up to 50mJ @ 80Hz: - 2W model, 50mJ @ 40Hz, up to 100mJ: - 1W model, 40mJ @ 25Hz: 	<ul style="list-style-type: none"> M-NANO-Nd:YAG-10ns-50-INDR_PR135 M-NANO-Nd:YAG-10ns-50-INDR_PR1x3 M-NANO-Nd:YAG-10ns-40-LPCEI_PR139 	Inquire about higher energies, harmonics, burst mode, higher powers, customization.

Specifications	Model	M-NANO 1W	M-NANO 2W	M-NANO 4W
Max. average output power		>1 W (@ 25 Hz)	>2 W (@40Hz)	>4 W (@80Hz)
Wavelength (center)			1064 nm	
Pulse Energy		>40 mJ	>50 or >100 mJ	>50 mJ
Pulse repetition rate*		0 ... 50 Hz	0 ... 80 Hz	0 ... 100 Hz
Pulse duration (FWHM)			8 ns (+/-5 ns)	
Beam quality M ² (typical)		2	3	3
Supply voltage			24-28 VDC	
Size (l x w x h)**			~140 x 132 x 64 mm	
		* higher rep rates at reduced energy		
		**not including connectors, shutter, screws.		

Inquire about customized specifications and dimensions for your integration needs.

Dimensions

