



High Power Pulsed Nd:YAG-Lasers (nanosecond)

Nanosecond pulsed lasers

Model	Wave length Pulse energy	Puls duration max. repetition rate	Divergence Diameter	Power consumption	Price (*-optional)
Nd:YAG 1.4J in pulse LS 2147A/2	1064nm – 1400mJ 532nm – 700mJ 355nm – 300mJ* 266nm -180mJ*	duration: 7-12ns repetition: 1-10Hz	div. 1.5 mrad dia. 10mm	2000W	by request
Nd:YAG High repetition: 50Hz LS 2148	1064nm – 700mJ 532nm – 350mJ 355nm – 120mJ 266nm -100mJ	duration: 14-16ns repetition: 1-50Hz	div. 1.0 mrad dia. 10mm	2000W	by request
Nd:YAG 213 nm LS 2147-BBO4	1064nm – 850mJ 532nm – 470mJ 355nm – 170mJ 266nm -120mJ 213nm – 25mJ*	duration: 16-18ns repetition: 1-10Hz	div. 0.7 mrad dia. 8mm	900W	38,003 €
Nd:YAG 213 nm LS 2147	1064nm – 850mJ 532nm – 470mJ 355nm – 170mJ 266nm -120mJ 213nm – 25mJ*	duration: 16-18ns repetition: 1-10Hz	div. 0.7 mrad dia. 8mm	900W	35,374 €
Nd:YAG LS 2147/2	1064nm – 850mJ 532nm – 470mJ	duration: 16-18ns repetition: 1-10Hz	div. 0.7 mrad dia. 8mm	900W	32,236 €
Nd:YAG LS 2147/3	1064nm – 850mJ 532nm – 470mJ 355nm – 170mJ	duration: 16-18ns repetition: 1-10Hz	div. 0.7 mrad dia. 8mm	900W	34,158 €
Nd:YAG LS 2147/4	1064nm – 850mJ 532nm – 470mJ 266nm – 120mJ	duration: 16-18ns repetition: 1-10Hz	div. 0.7 mrad dia. 8mm	900W	34,158 €
Nd:YAG 213 nm LS 2137U	1064nm – 700mJ 532nm – 400mJ 355nm – 160mJ 266nm -120mJ 213nm – 25mJ*	duration: 6-7ns repetition: 1-10Hz	div. 0.8 mrad dia. 8 mm	750W	33,042 €
Nd:YAG LS 2137U/2	1064nm – 700mJ 532nm – 400mJ	duration: 6-7ns repetition: 10Hz	div. 0.8 mrad dia. 8 mm	750W	29,842 €
Nd:YAG LS 2137U/3	1064nm – 700mJ 532nm – 400mJ 355nm - 160mJ	duration: 6-7ns repetition: 10Hz	div. 0.8 mrad dia. 8 mm	750W	31,802 €
Nd:YAG LS 2137U- LBO/3	1064nm – 700mJ 532nm – 400mJ 355nm - 160mJ	duration: 6-7ns repetition: 10Hz	div. 0.8 mrad dia. 8 mm	750W	38,871 €
Nd:YAG LS 2137BBO4	1064nm – 700mJ 532nm – 400mJ 355nm - 160mJ 266nm – 95mJ	duration: 6-7ns repetition: 10Hz	div. 0.8 mrad dia. 8 mm	750W	35,560 €
Nd:YAG LS 2137U-BBO4	1064nm – 700mJ 532nm – 400mJ 355nm - 160mJ 266nm-110mJ	duration: 6-7ns repetition: 10Hz	div. 0.8 mrad dia. 8 mm	750W	35,671 €
Nd:YAG 213 nm LS 2137	1064nm – 600mJ 532nm – 330mJ 355nm – 120mJ 266nm - 90mJ 213nm – 22mJ*	duration: 16-18ns repetition: 1-10Hz	div. 0.7 mrad dia. 8 mm	750W	32,558 €
Nd:YAG LS 2137/2-20	1064nm – 700mJ 532nm – 400mJ	duration: 16-18ns repetition: 1-20Hz	div. 1.0 mrad dia. 8 mm	750W	by request
Nd:YAG LS 2137/2	1064nm – 700mJ 532nm – 400mJ	duration: 16-18ns repetition: 1-10Hz	div. 1.0 mrad dia. 8 mm	750W	29,420 €

Model	Wave length Pulse energy	Puls duration max. repetition rate	Divergence Diameter	Power consumption	Price (*-optional)
Nd:YAG LS 2137/3	1064nm – 600mJ 532nm – 330mJ 355nm – 120mJ	duration: 16-18ns repetition: 1-10Hz	div. 1.0 mrad dia. 8 mm	750W	31,330 €
Nd:YAG LS 2137/4	1064nm – 600mJ 532nm – 330mJ 266nm – 90mJ	duration: 16-18ns repetition: 1-10Hz	div. 1.0 mrad dia. 8 mm	750W	31,330 €
Nd:YAG High repetition: 50Hz	LS-2136LP 1064nm – 40mJ	duration: 24ns repetition: 1-50Hz	div. 0.7 mrad dia. 3 mm	1500W	by request
Nd:YAG High repetition: 50Hz	LS 2136 1064nm – 140mJ 532nm – 75mJ 355nm – 25mJ* 266nm – 18mJ*	duration: 15-18ns repetition: 1-50Hz	div. 0.7 mrad dia. 5 mm	1500W	28,639 €
Nd:YAG High repetition: 100 Hz	LS 2139 Near TEM00 1064nm – 75mJ 532nm – 40mJ 355nm – 15mJ* 266nm – 10mJ*	duration: 15-18ns repetition: 1-100Hz	div. 0.7 mrad dia. 4 mm	2000W	35,150 €
Nd:YAG High repetition: 100Hz	LS 2139 TEM00 1064nm – 45mJ 532nm – 25mJ 355nm – 8mJ* 266nm – 6mJ*	duration: 15-18ns repetition: 1-100Hz	div. 0.5 mrad dia. 2.5 mm	2000W	by request
Nd:YAG High repetition: 50Hz	LS 2138 1064nm – 220mJ 532nm – 115mJ 355nm – 45mJ* 266nm – 30mJ*	duration: 14-16ns repetition: 1-50Hz	div. 0.7 mrad dia. 5 mm	1500W	33,637 €
Nd:YAG High repetition: 50Hz	LS 2138T-LBO 1064nm – 220mJ 532nm – 110mJ 355nm – 50mJ	duration: 14-16ns repetition: 1-50Hz	div. 0.7 mrad dia. 5 mm	1500W	38,003 €
Nd:YAG High repetition: 50Hz	LS 2138TF 1064nm – 220mJ 532nm – 115mJ 355nm – 45mJ 266nm – 30mJ	duration: 14-16ns repetition: 1-50Hz	div. 0.7 mrad dia. 5 mm	1500W	by request
Nd:YAG High repetition 1577 nm	LS 2138OPO-50 1577nm – 30mJ 1064nm – 220mJ	duration: 14-16ns repetition: 1-50Hz	div. 1.5 mrad dia. 5 mm	1500W	by request
Nd:YAG High repetition 1577 nm	LS 2138OPO-30 1577nm – 30mJ 1064nm – 220mJ	duration: 14-16ns repetition: 1-30Hz	div. 1.5 mrad dia. 5 mm	1500W	by request

Power supply, closed water cooling system, protection eyewear, beam visualizer are included
Freight and installation service are free



High Power Pulsed Nd:YAG-Lasers (picosecond)

Model	Wave length Pulse energy	Puls duration max. repetition rate	Autocorrelation function:	Divergence Diameter	Price (*-optional)
LS-2151	1064 nm – 75 mJ 532 nm – 35 mJ 355 nm – 25 mJ* 266 nm – 18 mJ* 213 nm – 3.5 mJ*	duration: 70-80ps repetition: 15Hz		div. 0.7mrad dia. 9mm	66,158 €

Power supply, closed water cooling system, protection eyewear, beam visualizer are included
Freight and installation service are free



Double Pulsed Nd:YAG-Lasers

Model	Wave length Pulse energy	Puls duration repetition rate	Divergence Diameter	Power consumption	Price (*-optional)	
Nd:YAG delay between pulses 0-80µs	LS-2131D	1064 nm - 2 x 100 mJ 532 nm - 2 x 50 mJ	duration 9-11ns repetition 1-15Hz	div 1.5 mrad dia 4.0 mm	600W	27,709 €
Nd:YAG delay between pulses 0-80µs	LS-2132D	1064 nm - 2 x 140 mJ 532 nm - 2 x 75 mJ	duration 10-12ns repetition 1-15Hz	div 2.0 mrad dia 5.0 mm	600W	28,143 €
Nd:YAG delay between pulses 0-80µs	LS-2134D	1064 nm - 2 x 200 mJ 532 nm - 2 x 110 mJ	duration 10-12ns repetition 1-10Hz	div 2.5 mrad dia 6.3 mm	600W	28,800 €
Nd:YAG delay between pulses 0-80µs	LS-2134D-C3	1064 nm - 2 x 200 mJ 532 nm - 2 x 110 mJ 355 nm - 2 x 30 mJ	duration 14-16ns repetition 1-10Hz	div 1.0 mrad dia 6.3 mm	600W	by request
Nd:YAG delay between pulses 0-80µs	LS-2134D-C4	1064 nm - 2 x 200 mJ 532 nm - 2 x 110 mJ 266 nm - 2 x 30 mJ	duration 14-16ns repetition 1-10Hz	div 1.0 mrad dia 6.3 mm	600W	by request
Nd:YAG delay between pulses 0-80µs	LS-2136D-4	1064 nm - 2 x 80 mJ 532 nm - 2 x 40 mJ	duration 14-16ns repetition 1-50Hz	div 1.0 mrad dia 4.0 mm	2000W	by request
Nd:YAG delay between pulses 0-80µs	LS-2136D-5	1064 nm - 2 x 105 mJ 532 nm - 2 x 50 mJ	duration 14-16ns repetition 1-50Hz	div 1.0 mrad dia 5.0 mm	2000W	by request
Nd:YAG delay between pulses 0-80µs	LS-2145D	1064 nm - 2 x 320 mJ 532 nm - 2 x 190 mJ	duration 12-15ns repetition 1-10Hz	div 1.0 mrad dia 6.3 mm	600W	by request
Nd:YAG delay between pulses 0-80µs	LS-2145D-C3	1064 nm - 2 x 320 mJ 532 nm - 2 x 190 mJ 355 nm - 2 x 80 mJ	duration 12-15ns repetition 1-10Hz	div 1.0 mrad dia 6.3 mm	600W	by request
Nd:YAG delay between pulses 0-80µs	LS-2145D-C4	1064 nm - 2 x 320 mJ 532 nm - 2 x 190 mJ 266 nm - 2 x 50 mJ	duration 12-15ns repetition 1-10Hz	div 1.0 mrad dia 6.3 mm	600W	by request

Power supply, closed water cooling system, protection eyewear, beam visualizer are included
Freight and installation service are free



Compact Pulsed Nd:YAG-Lasers (one body “power supply-cooling system” unit)

Model	Wave length Pulse energy	Puls duration repetition rate	Divergence Diameter	Power consumption	Price (*-optional)
LS-2131M-10	1064nm - 200mJ 532nm - 125mJ 355nm - 30mJ* 266nm - 40mJ*	duration 7-9ns repetition 1-10Hz	div 1.5 mrad dia 5.0 mm	500W	18,158 €
LS-2131M-20	1064nm - 190mJ 532nm - 120mJ 355nm - 30mJ* 266nm - 30mJ*	duration 7-9ns repetition 1-20Hz	div 1.5 mrad dia 5.0 mm	500W	18,778 €

Power supply, closed water cooling system, protection eyewear, beam visualizer are included
Freight and installation service are free



Compact Pulsed Nd:YAG-Lasers (standard)

Model	Wave length Pulse energy	Puls duration repetition rate	Divergence Diameter	Power consumption	Price (*-optional)
LS-2130	1064nm - 50mJ 532nm - 25mJ 355nm - 9mJ* 266nm - 8mJ*	duration 9-11ns repetition 1-20Hz	div 1.0 mrad dia 3.0 mm	500W	20,577 €
LS-2131	1064nm - 100mJ 532nm - 50mJ 355nm - 16mJ* 266nm-16mJ*	duration 9-11ns repetition 1-20Hz	div 1.5 mrad dia 4.0 mm	500W	20,738
LS-2131U	1064nm - 100mJ 532nm - 50mJ 355nm - 20mJ* 266nm - 20mJ*	duration 1064nm - 5-6ns 532nm - 4-5ns 355nm - 4-5ns 266nm - 4-5ns repetition 1-15Hz	div 0.7 mrad dia 4.0 mm	750W	by request
LS-2132	1064nm - 180mJ 532nm - 100mJ 355nm - 20mJ* 266nm - 24mJ*	duration 10-12ns repetition 1-15Hz	div 2.0 mrad dia 5.0 mm	500W	21,197 €
LS-2132U	1064nm - 180mJ 532nm - 120mJ 355nm - 40mJ* 266nm - 25mJ* 213nm - 4mJ*	duration 1064nm - 5-6ns 532nm - 4-5ns 355nm - 4-5ns 266nm - 4-5ns 213nm - 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	23,367 €
LS-2132UT	1064nm - 170mJ 532nm - 110mJ 355nm - 40mJ	duration 1064nm - 5-6ns 532nm - 4-5ns 355nm - 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	25,290 €
LS-2132UF	1064nm - 170mJ 532nm - 110mJ 266nm - 30mJ	duration 1064nm - 5-6ns 532nm - 4-5ns 266nm - 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	25,290 €
LS-2132UF-BBO4	1064nm - 170mJ 532nm - 110mJ 266nm - 30mJ	duration 1064nm - 5-6ns 532nm - 4-5ns 266nm - 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	26,505 €
LS-2132UTF	1064nm - 180mJ 532nm - 120mJ 355nm - 40mJ 266nm - 25mJ	duration 1064nm - 5-6ns 532nm - 4-5ns 355nm - 4-5ns 266nm - 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	26,778 €
LS-2132UTF-BBO4	1064nm - 170mJ 532nm - 110mJ 355nm - 40mJ 266nm - 30mJ	duration 1064nm - 5-6ns 532nm - 4-5ns 266nm - 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	28,019 €
LS-2132UF-5	532nm - 120mJ 213nm - 4mJ	duration 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	by request
LS-2132T-LBO	1064nm - 200mJ 532nm - 105mJ 355nm - 40mJ	duration 10ns repetition 20Hz	div 1.2 mrad dia 5.0 mm	1000W	27,461 €

Model	Wave length Pulse energy	Puls duration repetition rate	Divergence Diameter	Power consumption	Price (*-optional)
LS-2134	1064nm - 250mJ 532nm - 150mJ 355nm - 25mJ* 266nm - 33mJ*	duration 10-12ns repetition 1-15Hz	div 2.5 mrad dia 6.3 mm	500W	21,507 €
LS-2134U	1064nm - 260mJ 532nm - 160mJ 355nm - 60mJ* 266nm - 40mJ* 213nm - 6mJ*	duration 1064nm – 7-8ns 532nm – 6-7ns 355nm – 5-7ns 266nm – 5-6ns 213nm – 5-6ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	24,608 €
LS-2134UT	1064nm - 260mJ 532nm - 160mJ 355nm - 55mJ	duration 1064nm – 7-8ns 532nm – 6-7ns 355nm – 5-7ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	26,530 €
LS-2134UF	1064nm - 260mJ 532nm - 160mJ 266nm - 50mJ	duration 1064nm – 7-8ns 532nm – 6-7ns 266nm – 5-6ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	26,530 €
LS-2134UF-BBO4	1064nm - 260mJ 532nm - 160mJ 266nm - 50mJ	duration 1064nm – 7-8ns 532nm – 6-7ns 266nm – 5-6ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	28,019 €
LS-2134UTF	1064nm - 260mJ 532nm - 160mJ 355nm - 55mJ 266nm - 50mJ	duration 1064nm – 7-8ns 532nm – 6-7ns 355nm – 5-7ns 266nm – 5-6ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	28,019 €
LS-2134UTF-BBO4	1064nm - 260mJ 532nm - 160mJ 355nm - 55mJ 266nm - 50mJ	duration 1064nm – 7-8ns 532nm – 6-7ns 355nm – 5-7ns 266nm – 5-6ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	29,507 €
LS-2134UF-5	532nm - 120mJ 213nm - 6mJ	duration 1064nm – 6-7ns 532nm – 5-6ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	by request
LS-2135	1064nm-340 mJ 532nm-170 mJ 355nm-38 mJ * 266nm-50 mJ *	duration 10-12ns repetition 1-10Hz	div 2.5 mrad dia 8.0 mm	500W	22,598 €
LS-2145	1064nm - 520mJ 532nm - 320mJ 355nm - 60mJ* 266nm - 60mJ*	duration 10-12ns repetition 1-10Hz	div 2.5 mrad dia 8.0 mm	500W	27,771 €
LS-2145T	1064nm - 350mJ 532nm - 230mJ 355nm - 85mJ*	duration 13-15ns repetition 10Hz	div 1.0 mrad dia 6.3 mm	750W	29,296 €
LS-2145F	1064nm - 350mJ 532nm - 230mJ 266nm - 70mJ	duration 13-15ns repetition 10Hz	div 1.0 mrad dia 6.3 mm	750W	29,296 €

Power supply, closed water cooling system, protection eyewear, beam visualizer are included
Freight and installation service are free