



LITHIUM LASERS

The power of ultrafast focused on your needs

LithiumSix525

Product Description:

LithiumSix525 is our cutting-edge laser for advanced manufacturing applications. Thanks to its extreme peak to peak stability and excellent beam pointing steadiness our laser reaches the right target at every single laser shot. Moreover, the high average power allows for parallel manufacturing platform operation helping to optimize the production costs.



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LASER SPECIFICATIONS

Center Wavelength	$525 \pm 2.5 \text{ nm}$
Pulse Duration	$< 150 \text{ fs}$
Spectral Shape	Gaussian
Average Power	1 - 5 W*
Pulse Energy	$> 62.5 \text{ nJ}$
Repetition Rate	80 MHz [†]
Beam Quality	$M2 < 1.1$
PER	$> 23 \text{ dB}$
Amplitude Noise	$< 1 \% \text{ rms}$
Warm-up Time	$< 20 \text{ sec}$
Operation Temperature	10 - 40 °C
Head dimensions	400 X 200 X 100 mm
Head Weight	10 Kg

* Average power $> 5\text{W}$ are available upon request.

[†] Different repetition rates are available upon request.