



LASER INDUCED DAMAGE THRESHOLD

HiLASE Centre offers LIDT (Laser Induced Damage Threshold) services, thanks to unique laser sources under a new testing regime with big top-hat spot and high energy. The testing is conducted in our first-class LIDT laboratory that has received the ISO 9001 CERTIFICATE.

HiLASE Equipment

Picosecond pulsed laser	1 500 fs, 1 kHz rep. rate, up to 100 mJ energy in pulse
Nanosecond pulsed laser (Bivoj laser)	10 ns, 10 Hz rep. rate, up to 10 J energy in pulse
Experimental chamber	Testing at vacuum down to 10^{-3} mBar or in the presence of non-corrosive gas pressured up to 1.4 Bar
Spot size range	Up to 15mm spot diameter Gaussian beam, 3×3 mm ² top-hat beam
Available wavelength	1030 / 515 / 343 / 257 nm 1064 / 532 / 355 nm

Areas of application



OPTICS



LASER R&D



LASER END-USERS



LASER MACHINE
INTEGRATORS



LARGE SCALE
OPTICS TESTING

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