

OPTOMAN

YOUR SIDEKICK FOR
LASER OPTICS DEVELOPMENT

***SUPERHERO POWER MIRRORS FOR
ULTRAFAST LASERS***

LIFETIME MEASUREMENT

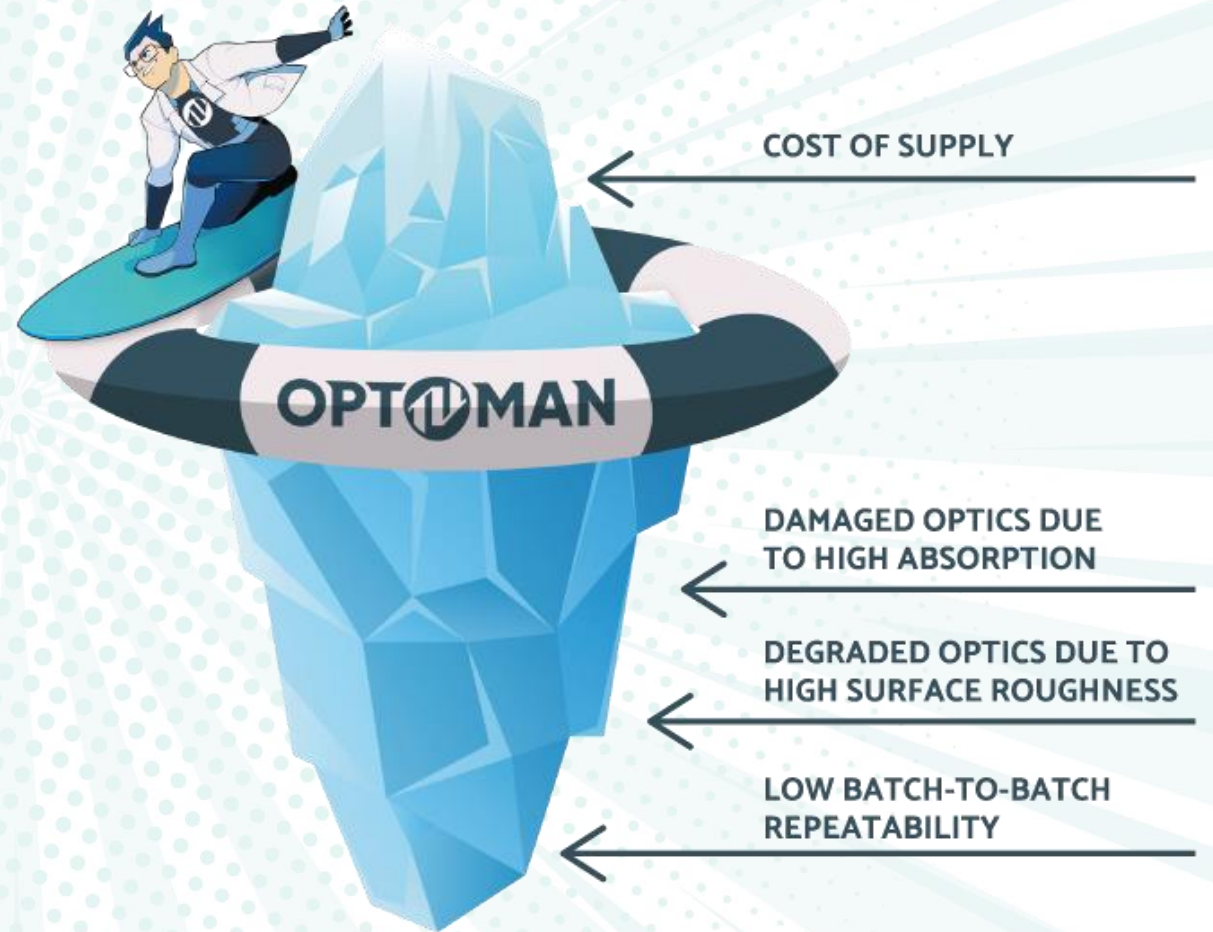


OPTICS FOR ULTRAFAST LASERS

Working further towards reducing the total cost of ownership for our partners, we have invested in the long-term degradation measurements, proving OPTOMAN SuperHero Power mirrors reliability and high-duty cycle.

These results aim to answer your concerns about long-term laser exposure consequences.

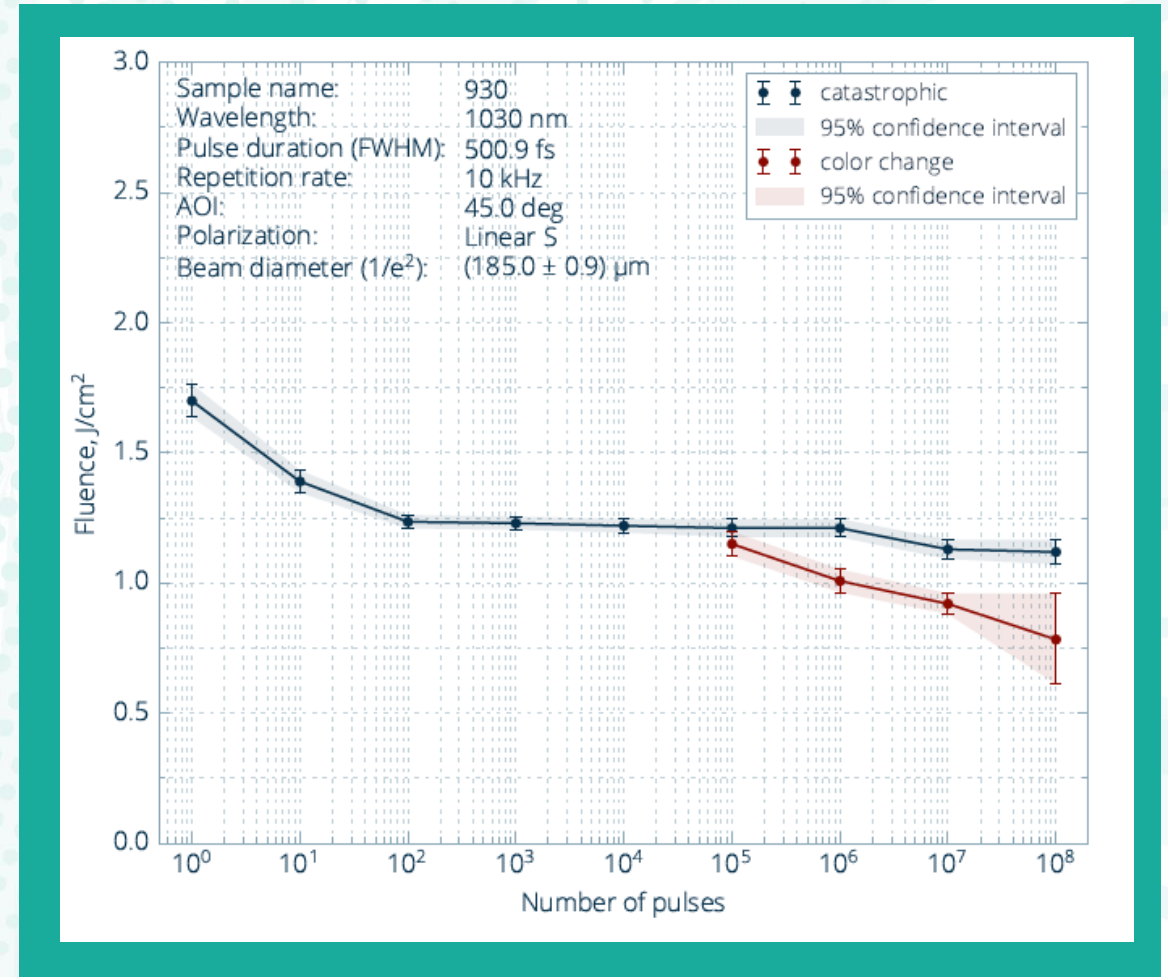
LOWER TOTAL COST OF OWNERSHIP



LIDT RESULTS

LIDT RESULTS

Catastrophic 1-on-1 LIDT	1,70 J/cm ²
Catastrophic 10 ⁸ -on-1 LIDT	1,119 J/cm ²
Color change 10 ⁸ -on-1 LIDT	0,78 J/cm ²
Absorption (1070 nm, Linear S)	< 1 ppm
Absorption (1070 nm, Linear P)	1,6 ppm



OPTICS LONGEVITY

This measurement and extrapolation demonstrate the fluence levels of SuperHero Power mirrors according different irradiation time.

Basically, this measurement proves that if your laser's fluence is $<0.5 \text{ J/cm}^2$, your laser featuring SuperHero Power mirrors, could run non-stop longer than it takes for a student to finish his physics bachelor's degree.

