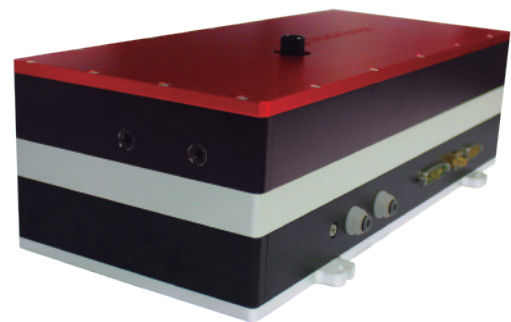


CiOM Series for Scientific Research

MONOCROM offers solid state laser technology at CW or Pulsed, ultra-high energy or low energy, ultra-stable beam pointing or any combination of features required for scientific research.



CiOM S1

The CiOM S1 is a compact Nd:YLF based diode-pumped solid-state laser that offers a dual wavelength output for scientific applications. Both wavelengths, the fundamental (1053 nm) and second harmonic (526.5 nm) are usable at the same time.

Wavelength [nm]	1053 + 527
Pulse Width [ns]	100 - 200

CiOM S2

CiOM S2 is our workhorse coming in a compact form-factor with integrated third harmonic stage. The system offers pulse energies of up to 6 mJ in about 10 ns with repetition rates as high as 10 kHz.

Wavelength [nm]	351
Pulse Width [ns]	10

CiOM S3

CiOM S3 is a Nd:YLF-based q-switched diode-pumped solid state laser system with integrated third harmonic generation. It is available as free space or fiber-coupled version delivering up to 2 W average power in 351 nm.

Wavelength [nm]	351
Pulse Width [ns]	50 ns < τ_p < 100 ns

CiOM Select

Monocrom CiOM Select is based on our CiOM S3 laser system and offers an additional wavelength selection option. It combines in one laser source a fundamental (1053 nm), second harmonic (526.5 nm) and third harmonic (351 nm) wavelengths accessible for experiments.

Wavelength [nm]	1053 / 527 / 351
Pulse Width [ns]	40 - 50

