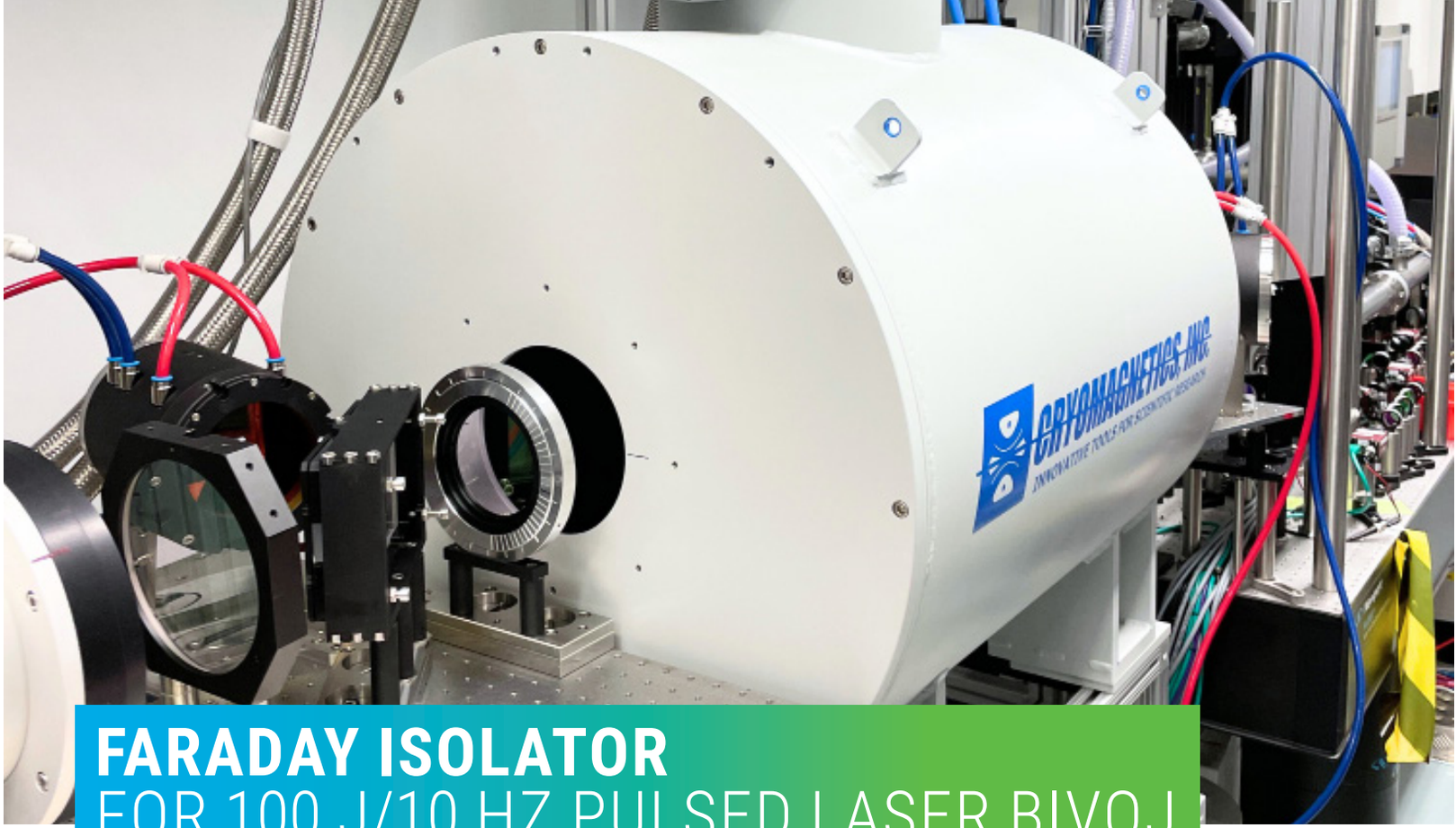
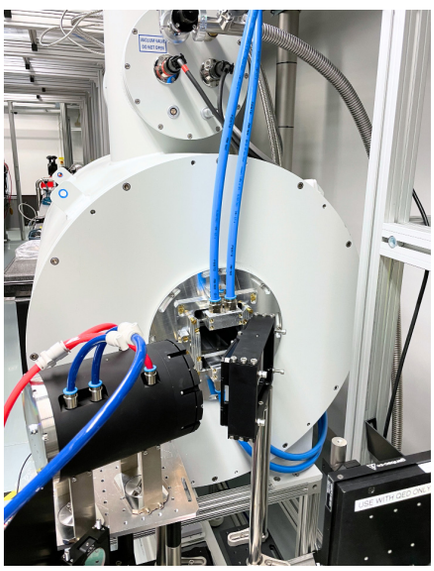


FARADAY ISOLATOR
FOR 100 J/10 HZ PULSED LASER BIVOJ

Large-aperature optical isolator based on the Faraday effect capable of reliable protection of the laser amplifier chain delivering 100 J nanosecond laser pulses at the repetition rate of 10 Hz.

30 dB isolation ratio, 97% transmission

- Testing parameters:
  - » 100 J/10 Hz/10 ns at 1030 nm
  - » 60x60 mm^2 square-shaped beam



Technology based on

- Terbium gallium garnet crystal slabs cooled by forced airflow,
- 3.5 T superconductive magnet providing a highly homogeneous stationary magnetic field.

More details can be found on the website.

Laser applications

ADVANCED MATERIAL PROCESSING

LASER-INDUCED DAMAGE THRESHOLD TESTING

LASER SHOCK PEENING

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