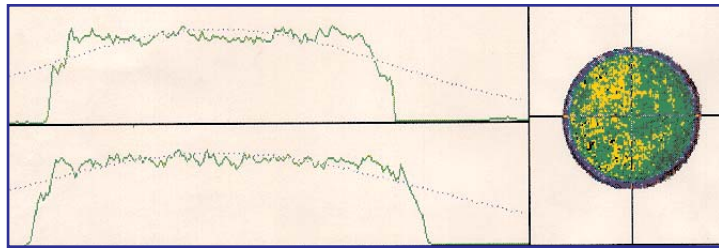
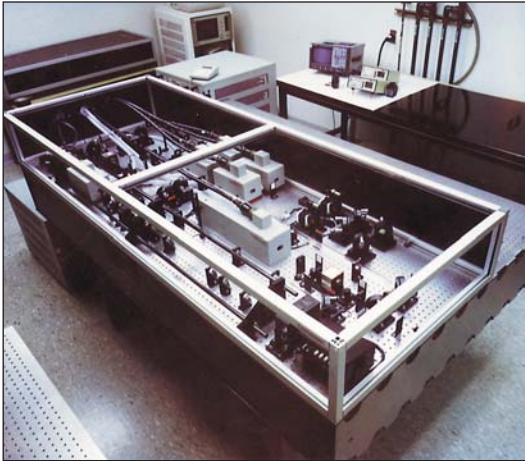


Megalite System

CUSTOM LASERS

WORLD'S LEADING SOURCE OF LASER SOLUTIONS



BEAM PROFILE OF A MEGALITE SYSTEM AT 532 NM

The Megalite is built for long life and reliable performance. The use of 16 mm amplifier heads and KTP doublers results in a laser with energy headroom to spare. Relay imaging results in excellent flat-top spatial profiles on the Ti:Sapphire crystal.

MEGALITE SYSTEM

The premier Ti:Sapphire pump laser delivering 5 J of 532 nm at 10 Hz

MEGALITE LASER SPECIFICATIONS

DESCRIPTION	
Repetition Rate (Hz)	10
Number of Beams	2
Energy (J)	
1064 nm	10
532 nm	5
Pulsewidth (ns)	20-30
Divergence (mrad)	0.45
Beam Pointing Stability (μrad)	75
Warm up Time (min)	45
Jitter (±ns)	2
Energy Stability (±%)	
1064 nm	3
532 nm	4
Power Drift (±%)	
1064 nm	3.5
532 nm	4.5

All specifications subject to change without notice.

MECHANICAL AND UTILITIES

Bench Size	3' x 8' x 14"
Power Supply	two cabinets: 28.15" x 24.5" x 23.1"
(Three Cabinets)	third cabinet: 28.2" x 24.5" x 45.1"
Water	3 GPM at 40-60 PSI
Water Temperature	22.3°C Max.
Electrical Service	220-240 V, Single Phase 30 A
	208 V Three Phase, 20 A / Phase

The world's greatest Ti:Sapphire pump laser is built by Continuum's Custom Laser Group. The Megalite is the premier pump laser for high energy Ti:Sapphire power amplifier stages. Having a two beam output, the Megalite is perfectly suited for dual side pumping to attain high stored energy. Greater than a Joule of compressed Ti:Sapphire output can be realized with 5 Joules of 532 nm light, producing a world class laser.

The Custom Laser Group

Continuum's Custom Laser Group contains over 100 years of combined experience in the custom laser field. With the design history of hundreds of systems to draw upon, systems are confidently designed. Continuum's world renowned project management results results in timely and predictable delivery.

Modular Design

Continuum's custom lasers are built with modularity in mind. In fact, the modules used by the Custom Laser Group are the same modules found in Continuum's standard laser product line giving the systems the benefit of time-proven reliability. Continuum's Megalite lasers are built to be flexible, versatile, and easy to upgrade.

By building these systems with readily available standard components, our entire service organization is automatically capable of servicing the laser, allowing our customers to have the same quick, reliable service that they would receive with the standard laser lines.

