

LS635B Laser Cutting System

For Semiconductor Failure Analysis, Marking and LCD Repair



LS635B ships with laser head, power supply and optional Smart Controller. Optics and staging are also available.

Applications

Cutting Metal Traces - Removing Passivation - Marking

Detailed Description

Utilizes Quantum Composers MiniJewel Laser - Sealed, conductively cooled resonator integrated with drive and control electronics

Air-cooled. Up to 50Hz sustained repetition rate.

Diode pumped with a diode lifetime >500,000,000 shots

Wavelength selectable in the following configurations: IR/GRN, GRN/UV3, GRN/UV4

Rotating aperture

Internal LED spot illuminator

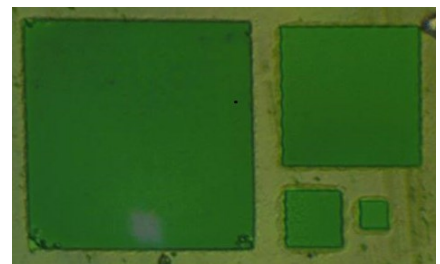
Fits Upright microscopes including Mitutoyo FS60L, FS70L, Seiwa PS888L, Motic

Direct replacement for New Wave Research EzLaze and Quicklaze lasers

High energy output option available. Up to 1.8mJ @532nm.

Laser Performance

Wavelength	Energy per pulse	Pulse Width	Pulse to pulse stability (Full aperture 50% 25% 10%)
1064nm	≥1.25mJ	12ns	≤3.0% ≤3.5% ≤4.0% ≤6.0%
532nm	≥1.25mJ	11ns	≤3.5% ≤4.0% ≤4.5% ≤6.5%
355nm	≥0.4mJ	10ns	≤4.0% ≤5.0% ≤6.0% ≤8.0%
266nm	≥0.4mJ	10ns	≤4.0% ≤5.0% ≤6.0% ≤8.0%



Representative 532nm cuts

System Dimensions

Laser Head	81mm x 194mm x 298mm. 5.5kg.
Power Supply	150mm x 250mm x 300mm. ≤4.5kg
Operating Voltage	100-240 VAC, 50/60Hz
Operating Power	<100 watts
Computer Interface	USB



Ligero Technical Services
info@ligerotech.com. +1-512-419-8799.