

KORIMA MODEL LCD-2400.

Compact, Manual Laser Repair System

- Using a simple, compact, triple-wavelength Nd: YAG laser system, Korima 2400 Laser Repair System performs laser cutting operations for design verification, failure analysis and LCD repair.

- Extremely versatile, the Korima 2400 is available in both tabletop and console configurations.

- LCD Repair Before or After Assembly
- Color Filter Repair
- Adapts to Existing Probe Stations
- Precision Manual Control
- Cleanly Removes Passivations
- Cutting Al, Cr, Poly-silicon, Polyamide.
- Single Layer Isolation
- Economical

- Korima 2400 Laser Repair System is an economical, precision instrument designed to cut lines, repair shorts, and drill holes in Passivations in virtually any metal.
- Featuring lightweight, state-of-the-art technology, and the 2400 focuses a bright Nd: YAG laser directly through the microscope objective. Its frequency-tripled pulse beam produces wavelengths of 1064, 532, and 355 nanometers.
- To assure the integrity of precision settings, all controls on the 2400 are on the power supply, well away from the scope itself.
- Within the laser housing is a rectangular aperture spot, marked targeting, and a TV camera mount.
- LCD2400 provides a hand switch, foot switch, and microscope adaptor. Options include a color video camera, microscope and objectives, and vibration isolation table.



The Laser Repair System with Computer Control.



Specifications:

Laser Head:

- Wavelength:
 - 1064/532/355 nanometer Nd: YAG Laser.
- Pulse Width:
 - 7 nanoseconds.
- Energy:
 - 0.6 mJ.
- Cutting Size:
 - 50x Objective: 50 x 50 micron minimum, 1.2 x 1.2 micron maximum.
 - 100x Objective: 20 x 20 micron minimum, 0.6 x 0.6 micron maximum.
- Cooling:
 - Ambient Air.
- Beam Mode:
 - Tempo (Single Mode).



X-Y Manual Stage:

- Travel:
 - Console Configuration: 14"x 14".
 - Table Top Configuration: 8" x 8".
- Accuracy Placement:
 - 1 Micron.
- Resolution:
 - 1 Micron.
- Substrate Holder:
 - 1"x 1" to 14"x 14".

Optional Features:

- Joystick RS-232 Control Stage.
- CCD Camera and Monitor.
- Page Device Holder.
- Mitutoyo Lens.
- Vacuum Chuck.
- Video Printer.

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