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.

The Laser Repair System with Computer Control.

- **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, 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.**

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Specifications:

Laser Head:

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