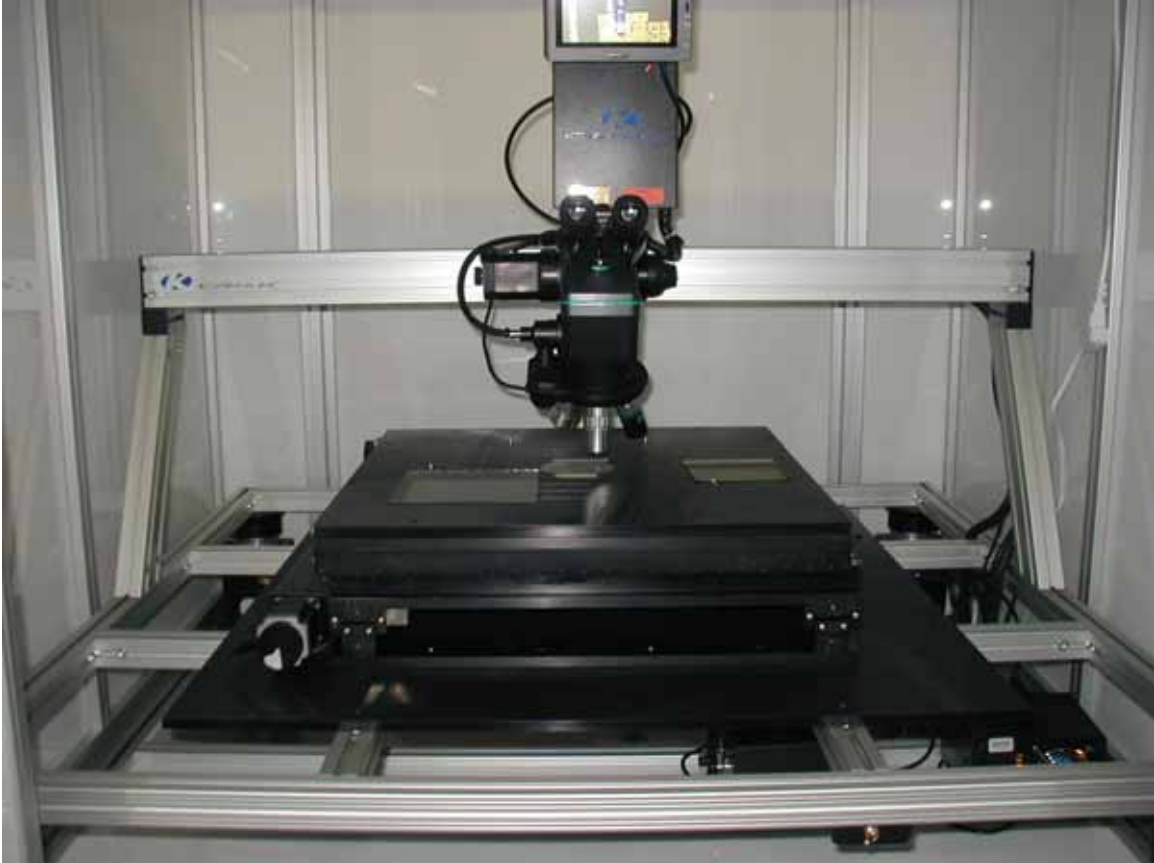


Model LCD2424

Semi Automatic Laser Repair System



- **Large size LCD or Photomask Repair**
- **Compact, Small foot print**
- **Computer control**
- **Double Wavelength Laser Cutting**
- **Interface to Inspection system**



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Specifications:

The LCD2424 offers is an economical, precision instruments designed to repair short, remove excess material (ITO, Cr, Al...) on panel before or after assembly. Featuring lightweight, state of the art technology, the LCD2424 focuses a Nd:YAG laser directly through microscope objective.

All function is remote control to eliminate vibration and particle drop over panel.

X-Y stage, focuser Z , Laser wavelength, Laser energy, X-Y aperture, fire laser all remote control far away from system .

The computer control is operated under Windows XP environment. After reading defect data floppy from inspection system, Stage will move to defect location, operator review and/or repair defect by laser.

Motorize Stage :

Computer control

Travel X-Y-Z 406 x 406 x 50 mm

Resolution : 1 micron

Speed : Max 40 mm/sec Min 1mm/sec

Substrate holder 406 x 406 mm

Back light (optional)

Laser Systems:

Laser: Nd:YAG

Wavelength: 1064/532 nm

Pulse width: 6 nano second

Energy .6 mJ

Cutting size :

50X Objective: 50 x 50 micron Max
1.4 x 1.4 micron Min

100X Objective: 20 x 20 micron Max
0.8 x 0.8 micron Min

Cooling : Ambient Air

Beam mode : TEM oo

Motorize aperture

Anti-Vibration Table:

Active air damper provides vibration isolation for small geometry cutting.

System Dimension: 1,200 x 1,100 x 1,500 mm

Weight : approx 1.000 lbs

Facility Requirement:

Power : 117/220 VAC 50/60Hz
Single Phase , 15 Amp.

Vacuum 18 mHg

Optional:

- Back light.
- Dark Box, Cabinet.
- 2 Mega Pixel digital CCD camera.
- Mitutoyo microscope and lens.



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