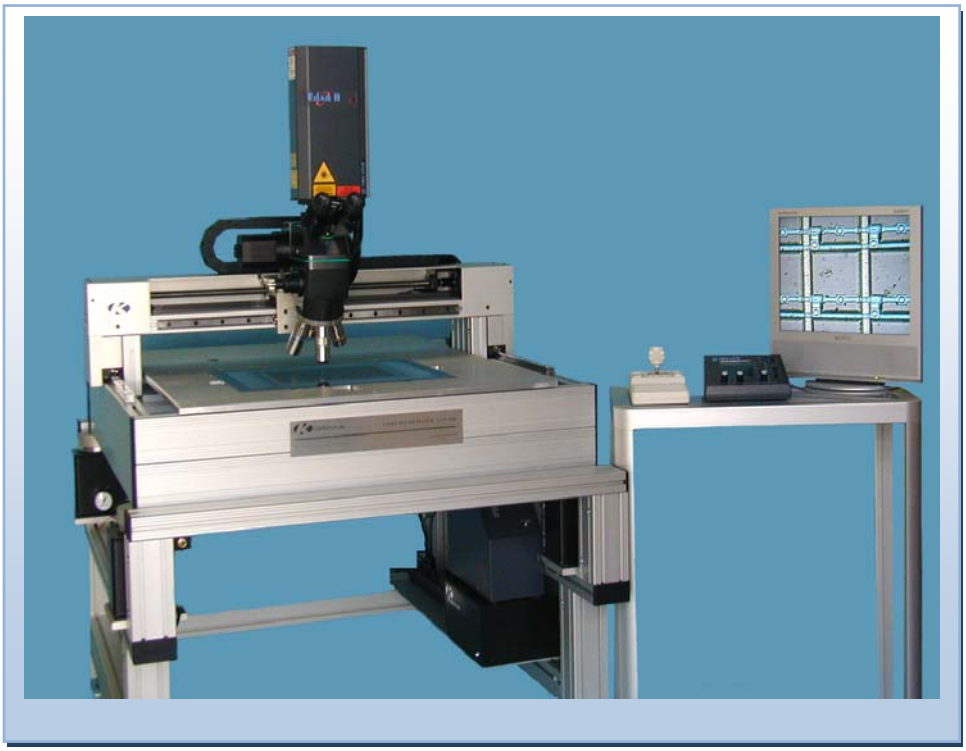
LCD MODULE REPAIR SYSTEM

LCD 4400



- Large size LCD module repair.
- Small foot print.
- Motorize Joystick control X-Y-Z.
- Laser cutting & welding.
- Rigid, Heavy Duty Gantry Systems.
- Back light.

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LCD MODULE REPAIR SYSTEM

LCD 4400

Specifications:

- The LCD 4400, precision instrument designed to repair large size LCD module. Featuring light weight, state of the art technology, the LCD4400 focuses a Nd:NAG laser directly through microscope objective.
- Heavy aluminum casting X-Y gantry provides no vibration, micron movement with 3 speeds joystick control.
- X-Y-Z motors, laser energy, X-Y aperture, fire laser all remote control far away from system.
- Air damper provides vibration isolation for small geometry cutting.

Motorize Gantry System:

- Travel: X-Y-Z. 61" x 35" x 2".
- Resolution: 1 micron.
- Joystick control: Selectable 3 speeds Low Medium High.
- Speed: Max 100 mm/sec Min 3 mm/sec.
- Substrate holder: 65" x 65".
- Back light.

Laser Systems:

- Laser: Nd: YAG Green
- Pulse width: 6 nano second
- Energy: .6 mJ
- Cutting size:
  - 20x Objective: 120 x 120 micron max
    5 x 5 micron min
  - 50x Objective: 50 x 50 micron max
    1.4 x 1.4 micron min
- Cooling: Ambient Air
- Motorize Turret.

Facility Requirement :

- System Dimension: 70" x 70" x 59".
- Weight: approx 550 lbs
- Power: 117/220 VAC 50/60Hz
- Single Phase, 15 Amps.

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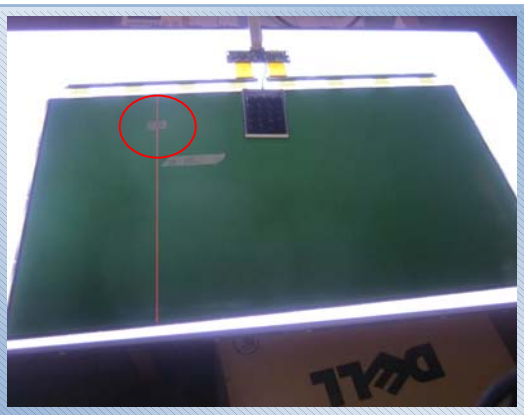
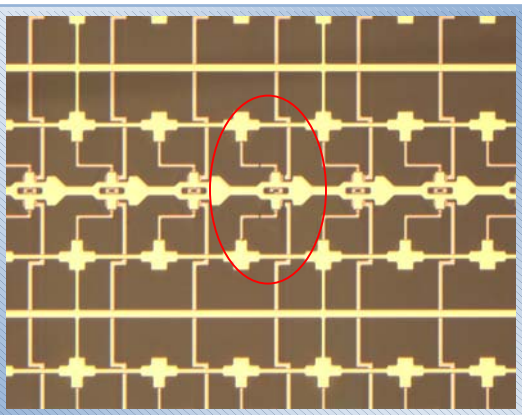
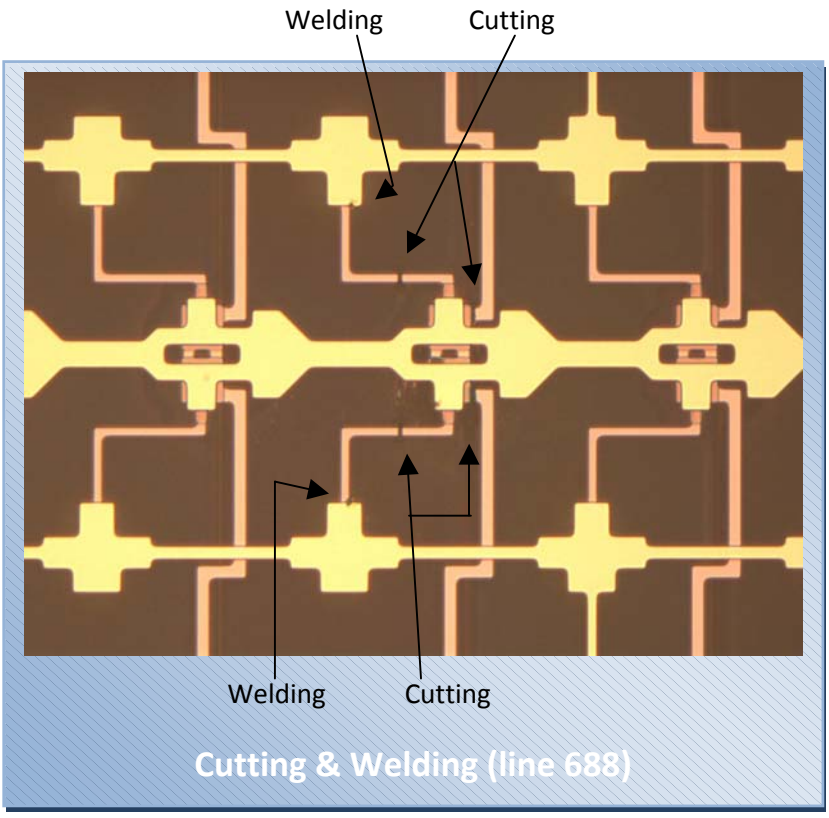
LCD4400



Line defects



Cutting & Welding



Cutting & Welding (line 688)

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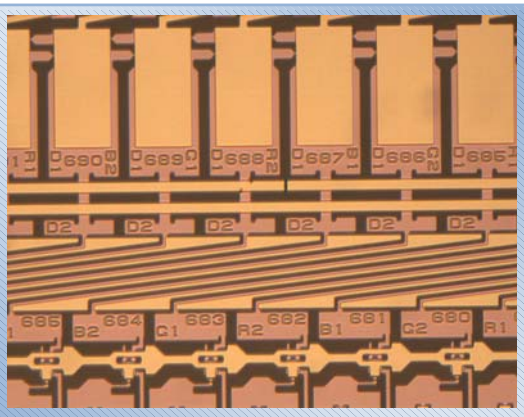
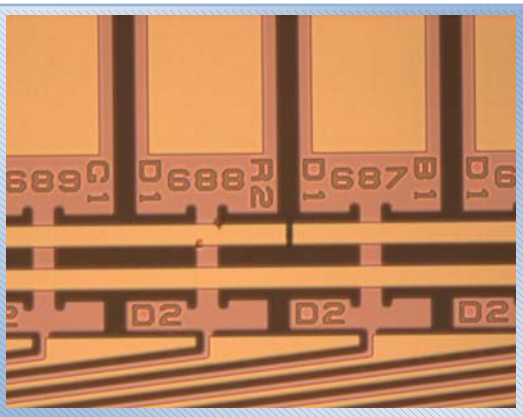
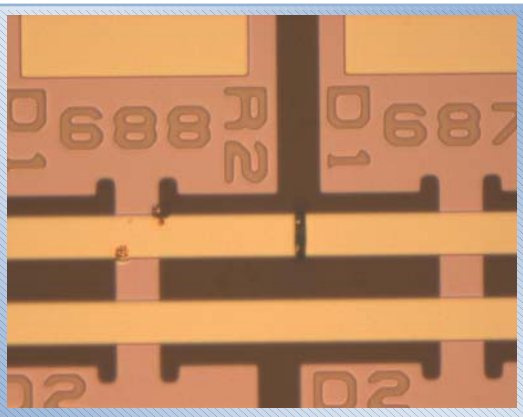


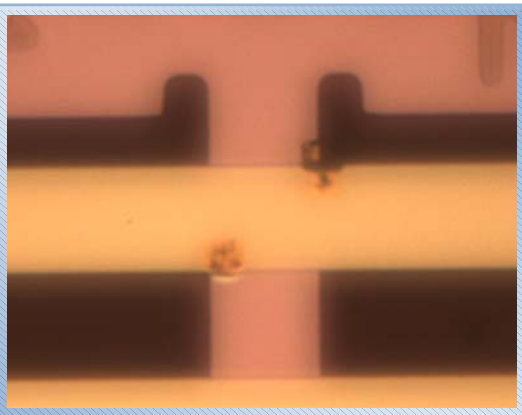
Welding Power line (688). 5X



Welding Power line (688). 10X



Welding Power line (688). 20X



Welding Power line (688). 50X

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