

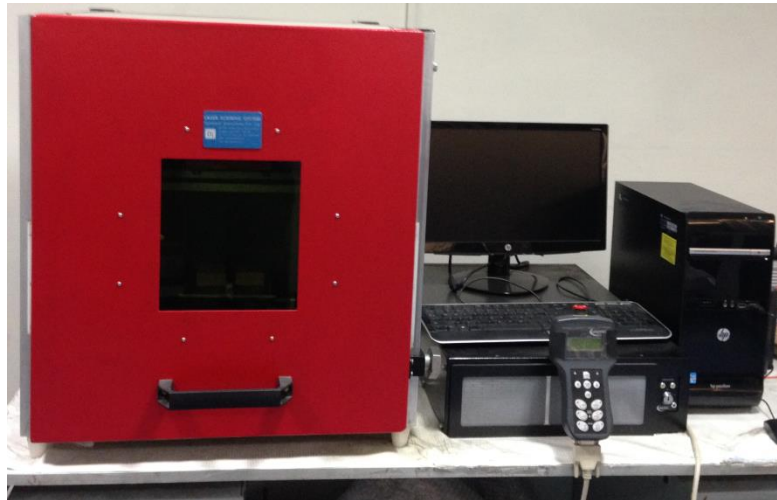
Measurement of: Patterning of Indium-Tin Oxide thin films

Equipment: Laser Scriber System

Dynotech Instrument Pvt. Ltd.

Property Measured: Patterning of Indium-Tin Oxide thin films (<300 nm).

Photograph (small size)



Basic Principle:

Laser cutting is a technology that uses a laser to cut materials. The laser optics and CNC (computer numerical control) are used to direct the material or the laser beam generated. A typical commercial laser for cutting materials involves a motion control system to follow a CNC of the pattern to be cut onto the material. The focused laser beam is directed at the material, which then either melts, burns, vaporizes away, or is blown away by a jet of gas leaving an edge with a high-quality surface finish.

Capabilities:

A variety of ITO pattern with resolution of microns can be prepared.

Sample Requirement:

ITO coated on glass or PET with thickness < 300 nm. The maximum size of the substrate should be 5" x 5".