

## LPC Series

# Laser Cutting System for FPD

Many kinds of plastics and films have been applied to substrate materials for flat panel display. Traditional cutting tools like scribing, knife cutting are not suitable for covering all these materials due to their specific characters both cutting tools and materials to be cut.

LPC series cutting system by laser gives excellent solutions to overcome any trouble caused by mechanical cutting and it satisfies customers through providing lots of benefits of low cutting loss, high accuracy, stress free, no breakage & particles,... etc. Together with its additional techniques of beam management, cooling, gas control, extraction, L&P provides the best cutting quality through LPC series.



Model LPC-C3000 ( Substrate size : 2500mm x 1300mm )

- Low loss of cutting area?
- No peripheral heating?
- No stress on the substrate ?
- No damage to surrounding areas?
- Half cutting for paired films?
- Customized cutting shapes?

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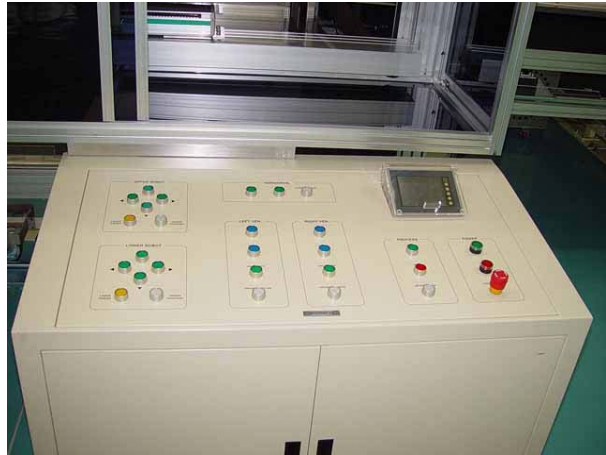
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LPC-C3000 Operation



Central Control Unit with Touch Screen

## ▲ Applicable lasers

### Solid State Laser (DNA Family)

- Wavelength : 1064 nm / 532 nm / 355 nm / 266 nm

### CO<sub>2</sub> Laser

- Wavelength : 10.56um

## ▲ Typical Applications

- Film cutting
  - ITO coated PET film
  - Half cutting, other film substrates for display
- Plastics
  - Acryl, PC (Polycarbonate)
  - Other plastics substrates for display

## ▲ Other Laser Process Systems for FPD.

- LPS Series : Pattern generation system ( ITO, Organics, Metals)
- LPA Series : LTPS (Low temperature Poly-Si crystallization by excimer laser)

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