



PRODUCT DEMONSTRATION LPIR® LASER PROJECTION WITH IMAGE RECORDING



Laser-imageable tape applied to surface



An LPT Laser Projector records the edge of part (EOP) directly on part



The tape is removed and marking used as a guide to trim the edge of the part

LPT's LPIR® (Laser Projection With Image Recording) is a patent-pending process using LPT's laser projection systems and Rohm and Haas laser-imageable materials. This break-through offers significant cost reductions and gains in manufacturing flexibility to OEMs in complex manufacturing and assembly, including the advanced composites, marine and aerospace industries.

Revolutionary Cost Savings. LPIR is a revolutionary step up from conventional tooling methods to record a lasting image visible on production parts throughout your manufacturing processes. CAD and other computer images projected by LPT's laser projection systems place a lasting image directly onto your production parts via the imageable material. Once marked, parts continue on through your production line to be processed downstream from the laser marking process.

Because you control the image recording process via software images, you can change designs to accommodate flexible manufacturing line changes or design modifications on the fly.

Project Higher Profits. You can take advantage of laser-projected image marking in manufacturing environments too harsh or dynamic for standard laser marking systems. LPIR cuts your manufacturing costs, reducing your dependence on hard tools, as well as time and material charges.

Potential Applications

- Drill Holes in skins and frame sections
- Mark lines for Edge of Part Trimming
- Mark Lines on sub-assemblies for 3D part placement
- Blind Drilling
- Paint Mask
- Sticker Placement
- Replacement of spray dot templates
- Chemical mill marking for skin sections

Features and Benefits

- Reduces cost
- Speeds manufacturing cycle time
- Eliminates costly templates and hard tools
- Reduces inventory and maintenance of hard tools
- Increases manufacturing flexibility
- Increased accuracy

Pricing & Availability

LPT's TOPO systems are available for installation in your facilities. For more information or pricing, please contact our offices, or visit our website at www.lptcorp.com

Laser Projection Technologies

8 Delta Drive, Londonderry NH, USA 03053

Telephone: 603.421.0209

Toll Free: 888.478.9553

Fax: 603.421.0072