

Take the Next Step in Flexo Printing with the LUX Platemaking Process

MacDermid's LUX platemaking process offers printers the opportunity to print like never before. LUX, an innovative process developed by MacDermid, enables flexo printers to increase print quality, improve print consistency and, at the same time, reduce operating costs and waste.

The LUX process produces a digital plate with a unique dot profile from a 1:1 mask-to-plate plate imaging process. The bump curve associated with digital plates is effectively eliminated.

This simple process works with existing digital plates from MacDermid, can be used with all flexo lasers, and does not require modification to existing equipment. It is backwards compatible, so you can still produce the legacy work via the standard digital platemaking process. To learn more about how the LUX process can transform your digital print jobs, contact your MacDermid representative.

When you want to take your flexo print to the next level, count on the company that says, "Yes We Can", MacDermid.



Key Features

- **Smaller printed dot**
- **Reduced sensitivity to wear and impression**
- **Faster press startup**
- **Reduced fluting in corrugated applications**
- **Easy to integrate process into existing platemaking**


Segments

Flexible Packaging 

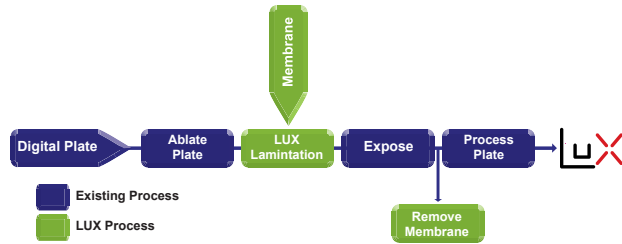
Folding Carton 

Corrugated 

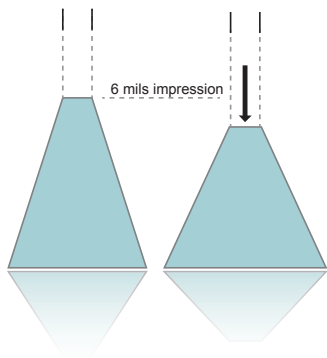
Tags and Labels 

Sacks, Paper, Multiwall 

Platemaking Process



Reduced Sensitivity to Impression



LUX Reduces Dot Gain From Impression

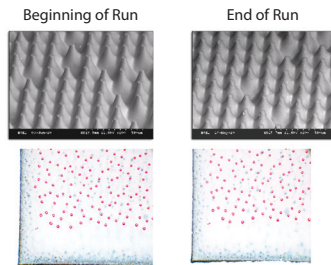
- 30-60% improvement possible compared to standard digital plates
- Longer runs using the same plates
- Fewer stops for press adjustment

LUX Dot Shape Reduces Effect Of Impression On Dot Gain

Reduced Sensitivity to Wear

LUX Reduces Dot Gain Caused By Plate Wear

- Plate material will still wear, however the change in printed dot size will be minimal
- Unique shape of LUX dot minimizes the affect of plate wear on print.



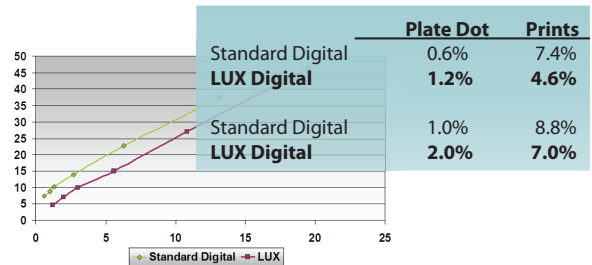
YES WE CAN

It takes more than innovative, high performance products and superior technical service to help our customers compete and win in today's global marketplace. It takes a total commitment to understanding their needs and he ability to provide the right solution—every time.

When success is your only goal, trust the company that says "Yes We Can."

- Works with your existing digital plate from MacDermid
- Can be used with your existing digital laser imager
- Does not require modification to your existing equipment
- Workflow adds 4 – 6 minutes, no change in overall platemaking capacity
- Backwards compatible: legacy work can be produced using standard digital

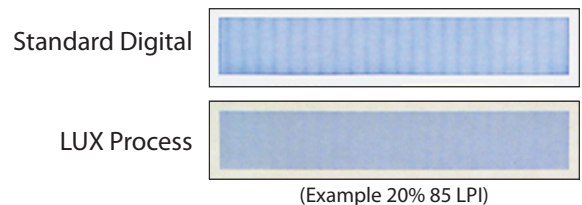
Smaller Printed Dot



LUX Enables Flexo Printers To Print A Smaller Dot

- Less mechanical dot gain; LUX highlight dots print much smaller than standard digital plates
- Flexo becomes more competitive with other printing processes, reduces hard edges
- Increases in line screen possible with no investment in current print environment

Reduced Fluting



Substantially Reduces Fluting In Post-Print Corrugated Applications



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