LUX® ITP™ Platform

Flat-Top Dots In-The-Plate™

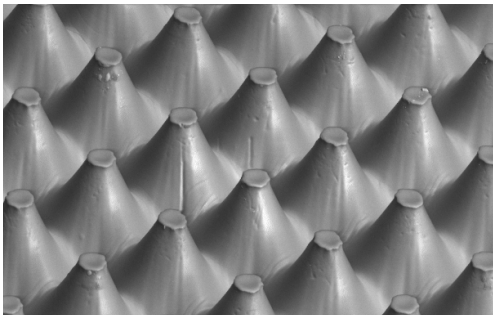
LUX® Flat-Top Dot Technology Platform

LUX performance and characteristics without adding steps to the workflow.

Achieving flat-top dots without adding steps to the workflow has been a reality since spring of 2014. The first such option available commercially, LUX In-The-Plate™ (ITP) was created as a new platform of flat-top dot technology - the product of a persistent and focused effort to advance flexographic platemaking and printing. The result was an innovation that made the proven print benefits of flat-top dots easily available to an entire industry.

The LUX ITP product line is now a subset of the LUX flat-top technology platform. MacDermid's innovative platform is based upon developing to our customer's needs, and offers various solutions and choices to this end. The LUX technology platform now has multiple unique selections for producing flat-top dots: lamination, in-the-plate capabilities and even "alternate" methods for producing flat top or hybrid-style dots.

Awarded the 2016 Technical Innovation Award by the FFTA



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LUX® ITP™ Platform

Flat-Top Dots In-The-Plate™

LUX FLAT-TOP DOT TECHNOLOGY PLATFORM

LUX® ITP™ 60

- Flat-Top Dots with standard platemaking techniques
- 1:1 mask-to-plate reproduction depending on line screen
- Low dot gain
- Outstanding durability and drape
- Extremely low tack
- Solvent or thermal processing
- 60 durometer plate
- Patented clean plate technology

LUX® ITP™ Sleeve

- Able to be formed into seamless sleeves using existing methods
- Flat-top-dot sleeves with standard ITR exposure equipment
- 1:1 mask-to-plate reproduction depending on line screen
- Low dot gain
- Outstanding durability
- Extremely low tack
- 60 durometer

LUX® ITP™ M

- Flat-Top Dots with standard platemaking techniques
- 1:1 mask-to-plate reproduction depending on line screen
- Low dot gain
- Outstanding durability and drape
- Extremely low tack
- Solvent or thermal processing
- Medium durometer plate
- Patented clean plate technology

Digital MAF

- Dot profile optimized specifically for post print corrugated
- Reduced dot gain
- Faster press speeds
- Flat-top dots right out of the box
- Solvent processing

LUX® ITP™ EPIC®

- Flat-Top Dots with standard platemaking techniques
- Excellent ink transfer
- 1:1 mask-to-plate reproduction depending on line screen
- Low dot gain
- Outstanding durability and drape
- Extremely low tack
- Solvent or thermal processing
- A balanced plate surface for low image gain and exceptional solids coverage
- Patented clean plate technology

LUX® ITP™ MELO

- Super soft durometer
- Engineered flat-top dot directly in the plate
- Lowest possible fluting with a super soft digital plate
- Minimal board crush
- Excellent ink transfer
- No extra steps necessary
- Reduced dot gain
- Faster press speeds
- Quick wash out
- Holds the finest detail in all plate thicknesses
- Chip resistant, tack free and extremely durable

MacDermid will continue to support and develop new products and technologies based upon the total LUX platform and the subsequent pathways to achieving LUX quality.

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