



CUSTOM
GLASS
DECORATING
CAPABILITIES

1.800.BOELTER | BOELTER.COM

INK CLASSIFICATIONS

UV CURED ORGANIC INKS FOR SCREEN PRINTING



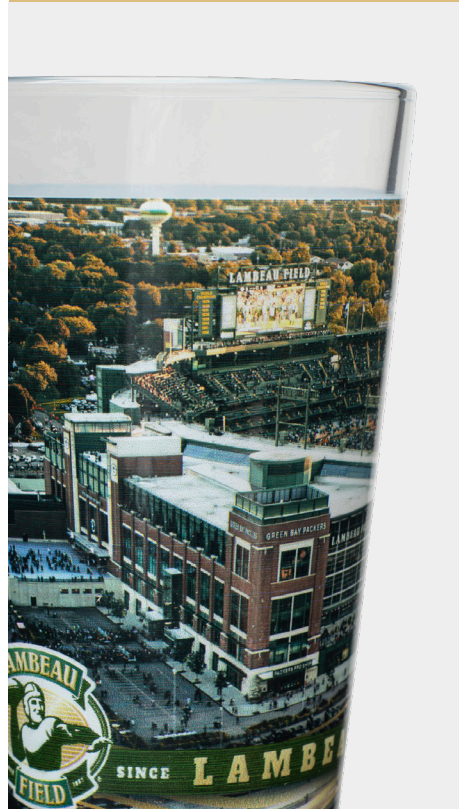
- Meets industry scratch standard
- High gloss finish
- In-house color matching available to match most colors in the Pantone System
- Conforms to FDA and CA Proposition 65 requirements
- Up to 7 colors standard
- 8-13 colors with second pass
- Handwash recommended

NLV - (NON-LEAD CERAMIC ENAMELS) FOR SCREEN PRINTING



- Exceeds industry scratch standard
- Matte finish
- Design is vitrified* into the glass yielding very high durability
- Over 3,000 colors available (PMS matches are limited)
- Conforms to FDA and CA Proposition 65 requirements
- Up to 8 colors
- Handwash recommended

UV ORGANIC DIGITAL INKS



- Meets industry scratch standard
- Near-photographic quality with amazing color and superior detail
- No limit on the amount of colors
- Cost effective solution for minimum order quantities as low as 24 pieces, compared to conventional screen printing
- Quick-turn, multi-color solution for quantities less than 1,000 pieces - perfect for personalization
- Hand-wash recommended

**To change or make into glass or a glassy substance through heat fusion.*

INK CLASSIFICATIONS

PRECIOUS METALS



- Non-lead and organic ink options are both available
- 4CP Organic
- Non-lead will provide a matte finish



- Organic inks will provide a glossy finish
- Exceeds industry scratch standard

Best uses:

- Tight Registration
- Decorate outside screen print areas

METAL BANDING

1/16th inch or 1/8th inch band of metallic gold or platinum.

1/8th inch  1/16th inch 

- Metallic Inks
- Exceeds industry scratch standard
- Shiny finish
- Design is vitrified* into the glass yielding very high durability
- Available in gold, silver, platinum, and copper (PMS matches are limited)
- Conforms to FDA and CA Proposition 65 requirements
- Microwave safe available on gold and copper

**To change or make into glass or a glassy substance through heat fusion.*



DECORATING PROCESSES



GLITTER

- Can be paired with other UV cured organic inks
- Up to seven colors with one pass
- 8-13 colors with two passes



TEXTURED

- Can be paired with other UV cured organic inks
- Up to seven colors with one pass
- 8-13 colors with two passes



UV BLACKLIGHT

- Can be paired with other UV cured organic inks
- Up to seven colors with one pass
- 8-13 colors with two passes



GLOW IN THE DARK

- Can be paired with other NLV cured organic inks
- Up to seven colors with one pass
- 8-13 colors with two passes



STAINED GLASS

- Can be paired with other UV cured organic inks
- Up to seven colors with one pass
- 8-13 colors with two passes



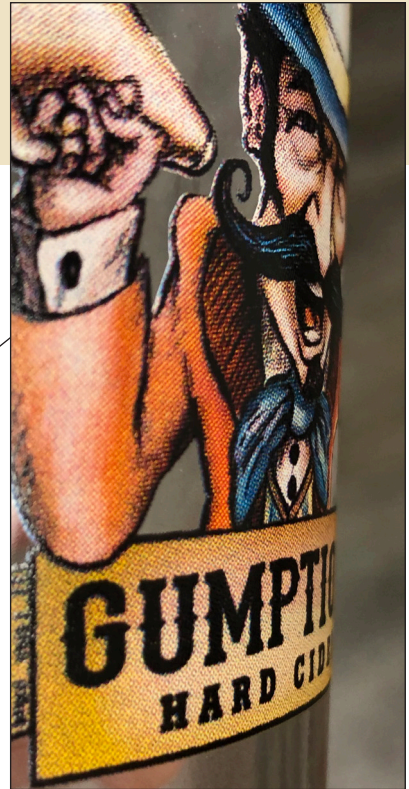
IRIDESCENT INKS

- Meets industry scratch standard
- Shimmer finish
- Ink can fluctuate in brightness and color depending on light angle
- Conforms to FDA and CA Proposition 65 requirements
- Up to 8 colors - limited detail and overlays

4CP UV SCREEN PRINTING

For designs that require in excess of 7 spot colors, Boelter has the capabilities to screen print Cyan-Magenta-Yellow-Black (CMYK), also known as Four-Color-Process (4CP).

- Our equipment allows for additional spot colors to be added as needed
- Cost effective solution for large quantity programs
- Printed utilizing UV inks that deliver colors brighter than ceramic enamels
- Colors are printed in 85 line screen halftones. Detail and line work not as sharp as Digital
- Extensive adhesion and durability protocol testing that includes cross-hatch and dishwasher testing
- Please see *Caring for Your Decorated Drinkware* for further information on caring for your new product



DECORATING PROCESSES



DIGITAL

Boelter's Cyan-Magenta-Yellow-Black (CMYK) digital print process delivers near-photographic quality, amazing color and superior detail. Our process produces a wide spectrum of colors, allowing you to achieve full color images, logos and text:

- Near-photographic quality with amazing color and superior detail
- Cost effective solution for minimum order quantities as low as 24 pieces, compared to conventional screen printing
- Printed utilizing UV inks that deliver colors brighter than ceramic enamels
- Quick-turn, multi-color solution for quantities less than 1,000 pieces
 - Perfect for personalization
- Extensive adhesion and durability protocol testing that includes cross-hatch and dishwasher testing
 - Please see *Caring for Your Decorated Drinkware* for further information on caring for your new product

DECORATING PROCESSES

COLOR CHANGING

Thermochromatic inks appear opaque white at room temperature and change color when introduced to cold liquid. This is offered in both UV and Epoxy to pair with either UV or NLV ink systems.



COLD ACTIVATED



MESSAGE REVEAL

REPLICA METALIZING SPRAY

An organic spray that looks metallic which can be applied as a full coverage or feathered. Additionally, up to 7-colors of UV can be printed on top of the replica metalizing spray.



+ COLOR

Same process as above followed by an additional organic colored spray or additional organic metallic process (right).



DECORATING PROCESSES




RAISED VARNISH

- Available in both direct screen and digital print processes
- Gives a raised look that can be seen and felt



DECALS

- No-lead and Organic Ink options are both available
- Exceeds industry scratch standard
- Non-lead will provide a matte finish
- Organic inks will provide a glossy finish
- 4CP Organic
- **Best uses:**
 - Tight Registration
 - Decorate outside screen print areas


FULL SPRAY FINISHES

OPAQUE



MATTE GLOSS

NON-OPAQUE



TRANSPARENT TRANSLUCENT

PARTIAL SPRAY FINISHES

FEATHER SPRAY



MATTE GLOSS

BOTTOM SPRAY



MATTE

REPLICA ACID ETCH SPRAY

FULL FROST

Frost spray provides the look of acid-etch without the use of acid. Glass is sprayed with frost ink system that mimics acid etch. Frost spray can be printed with up to 7 colors.



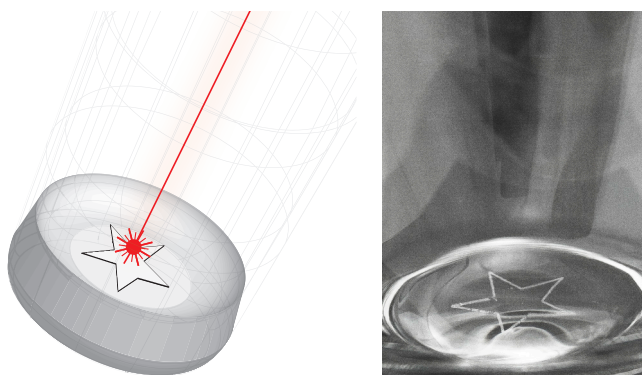
FROST RESIST

Glass is screen printed with clear window lacquer over the frost spray to give the appearance resist. Glass can be printed with up to 6 additional colors.



NUCLEATION

After printing, a laser creates a logo or pattern of dots in the bottom of the glass. When beer is poured, the disruption creates a steady stream of bubbles which extends the life of the foam head.



BOTTOM PLATE

- Molded designs in the base of tumblers
- Utilizes existing glass, changing out the bottom plate
- Available in blown & pressed



THANK YOU

Boelter
LET'S PURSUE YOUR PASSION.

1.800.BOELTER | BOELTER.COM