



Robust Screen Printed Graphics

Screen Printing

Abrisa Technologies offers screen printed graphic solutions to meet aesthetic expectations for color matched branding, feature resolution and cosmetics as well as functional needs for transmission, scratch resistance, adhesion, temperature, chemical and corrosion resistance. Printing is performed in a class 1000 or 10000 cleanroom on semi and fully automated printers.

- Full Flood, Edge Printing, Dead Front & Large Format
- Polyester, Epoxy, Frit/Ceramic Inks for Every Environment
- Multi-Color CIE/PMS Matched Inks for Custom Logos
- Complex Machining & Graphics Registration
- Feature Resolution Down to 0.005" (0.127mm)



Extra-Large 84" Format HI-OD™ Screen Printing

HI-OD™ Extra Large 84" format screen printing on Abrisa Technologies custom fabricated glass supports larger "framed" and branded viewing areas for use on retail and commercial digital signage, gaming tables, in home entertainment and other large format displays.

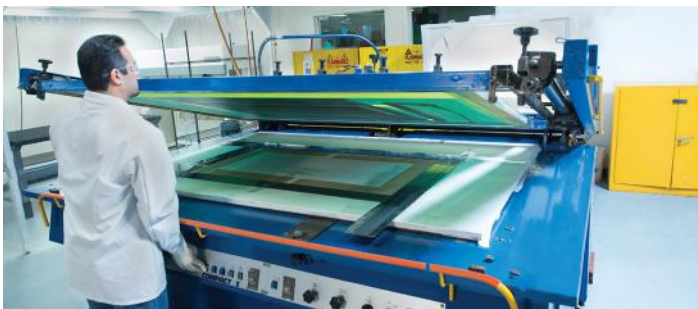
- Multi-Layer Process for Low Profile "Pinhole Free" Opacity
- "Halo-Free" Appearance after Bonding
- Black or White Matte or Gloss Finish
- Proprietary Epoxy Ink Formulations
- Custom Design Elements & Logos



Dead Front "Hidden Icon" Printing

Dead Front screen printing is used on human interface and control panels where seamless aesthetics are desired and backlighting is used to call attention to icons and alpha numerics as required. Dead Front panels can be found on instruments, appliances, kiosks, displays, vehicle cabins, cockpits and more.

- 5-10% Backlighting Throughput
- Survives Acetone Rub Test & Temperatures to 400°F
- Meets Class 4B, 5B Crosshatch Razor Scribe
- Meets Adhesion Standards of ASTM D3359





Glass Fabrication



Coating Deposition



CNC Machining



Strengthening - Chemical & Heat



Screen Printing of Graphics



Abrisa Technologies is a globally recognized company that combines expertise in both fabricated technology glass and optical thin film coatings with volume manufacturing and engineering capabilities to deliver Total Solutions with excellent performance, fitness-for-use, and economies of scale.

Abrisa Technologies is comprised of two USA based facilities, Abrisa Industrial Glass, a fabrication facility in Santa Paula, CA and ZC&R Coatings for Optics' facility in Torrance, CA, which produce solutions from simple fabricated and strengthened glass components, to more sophisticated ready-to-install optically coated, electronically enabled, and branded sub-assemblies.

Our facilities serve a variety of industries and markets as: Micro-electronics, Defense and Avionics, Display, Industrial Automation, Optical Sensors and Imaging, Photonics, Medical/Dental, Life Science Analytics, and more.



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