

Abrisa Technologies - Total Solutions

Displays • Sensors • Scanners • More

Glass Fabrication



Coating Deposition



CNC Machining



Strengthening - Chemical & Heat



Screen Printing of Graphics



Abrisa Technologies, a member of HEF Photonics, is a globally recognized technology glass fabrication and optical thin film coating company with expertise in high volume manufacturing and engineering capabilities, delivering Total Solutions that provide excellent performance, fitness-for-use and economies of scale.

Our US based, state-of-the-art ISO 9001:2015 and ITAR registered facilities include Abrisa Industrial Glass in Santa Paula, CA and ZC&R Coatings for Optics in Torrance CA. These two divisions produce solutions from cut-to-order coated glass components to custom complex and ready-to-install fabricated, strengthened, optically coated, electronically enabled and branded sub-assemblies.

Our Total Solutions serve a variety of markets including Micro-Electronics, Defense and Avionics, Display, Industrial Automation, Optical Sensors, Imaging, Photonics, Medical & Dental, Life Science and more.



Abrisa Industrial Glass
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Santa Paula, CA 93060

ZC&R Coatings for Optics
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Your Total Solution Partner

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Total Solutions by Abrisa Technologies are ready-to-install enhancement glass solutions for the Display, Scanner and Sensors markets. Total Solutions can be made from cut-to-order anti-reflection (AR) coated or non-glare (NG) glass, or damage resistant HIE™ aluminosilicate to exact specifications, have screen printed graphics, oleophobic or optical coatings applied, and film and gaskets installed; all provided by one partner, Abrisa Technologies.

Customers choosing Abrisa Technologies benefit from our experience and expertise in volume industrial and scientific glass as well as our engineering knowhow in coatings and light based applications, that allow us to deliver Total Solutions designed for manufacturability, and an excellent balance of performance and economies of scale.

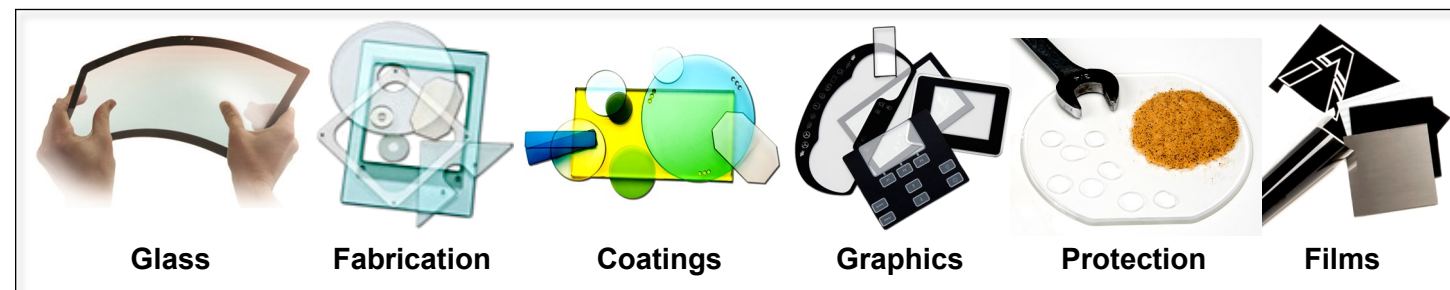
Other:

- ISO 9001: 2015 Process Controlled
- Product Verification & Metrology
- LOT, S/N, Spectral Curves, Traceability
- Environmental, Adhesion, Scratch Testing
- ITAR, REACH, RoHS, Conflict Materials
- MIL, ASTM, CIE Standards
- Inventory & Stocking Arrangements



Product Capabilities:

- Large Inventory of "Technology" Glass
- Volume Fabrication: Cut-Seam to Complex CNC
- Safety: Strengthening, Tempering, Films
- Non-Glare, Anti-reflection & Custom Coatings
- Special Effects: Mirrors, Beam Splitters & Films
- AR, IMITO, Bus Bars, Filters, UV/NIR Blockers
- Color Matched Durable Screen Printed Graphics
- Damage, Smudge & H2O Resistant Solutions
- Value Added – Films, Tints & Gaskets



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Voice-of-Customer Driven



ISO 9001:2008 Process Controls



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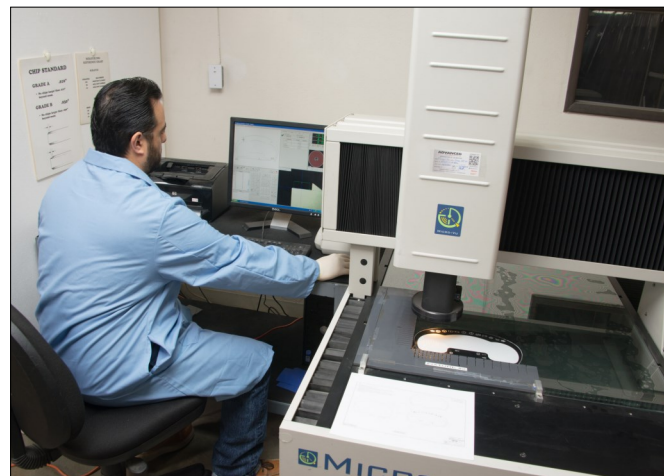
Manufacturing Capabilities



Total Solutions - Ready-to-Install



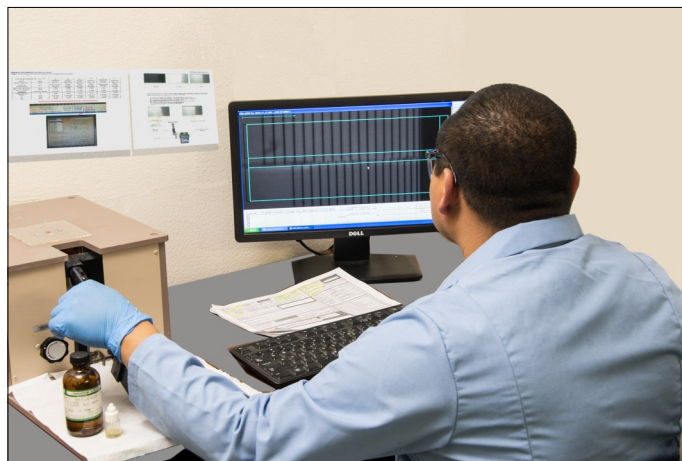
Verification & Metrology



CIE/PMS Color Match



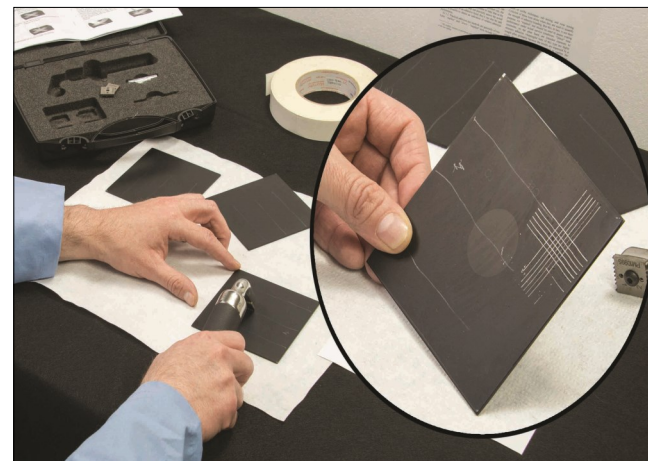
Chemical Strengthening (DOL)



Heat Tempering Stress Testing



Scratch & Adhesion Testing



Voice-of-Customer Driven

- Collaboration with Customers
- Innovative Total Solutions
- Designs for Manufacturability
- "Quick Quote" Responsive
- Market Knowledgeable

ISO 9001:2008 Process Controls

- Review of Requirements
- Process/Product Documentation
 - Consistency & Quality
 - Data & Tracking
- Regulatory & Other Compliance
 - ITAR, REACH, RoHS, C of C
- ERP/MRP for On Time Delivery

Manufacturing Capabilities

- High Volume Fabrication
- Complex CNC Configurations
- Standard & Custom Coatings
- Wide Mix of Process Options
- Micro to Meter Sizes

Total Solutions - Ready to Install

- Ease of Supply Chain
- Fabrication, Strengthening, Coating, Graphics, Films
- Thin HIE™ "Technology" Glass
- "Special Effect", ITO, Solar, Oleophobic Coatings
- Frit, IR, Deadfront Graphics

Verification & Metrology - CIE, ASTM, MIL, NIST

- Traceability - Melt, LOT, S/N
- Features - Machine Vision
- Spectrophotometry - UV-MWIR
- Adhesion, Scratch, Drop Ball, Color, Tempering
- Environmental Testing

Standard Testing for Display

- PMS CIE Color Matching (Colorimeter)
- Scratch & Adhesion - ASTM D 3359-97
- Chemical Strengthening (DOL) - ASTM C 1422-99
- Heat Tempering (Stress Pattern) - Polarimetry