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Advanced LCD Solutions Specialist

AGDISPLAYS SERVICES



**OFF THE SHELF DISPLAYS
DISPLAY SOLUTIONS
REPAIR SERVICES
TURNKEY AND DESIGN**

About Us



For over a decade AGDisplays has been a leading provider of high quality LCD enhancement products and services for the industrial markets. We lead the way in offering an extensive range of custom panel solutions that improve standard display attributes while maximizing performance in any environment. The AGDisplays teams are experts in LCDs, from building simple or complex designs to integration work.

In our 124,000 sq. foot facility, we offer over 800 off the shelf products that include tablets, open and closed frame LCDs and much more. Our knowledge in innovative LCD technology and our high-quality control standards separate us from the rest. At AGDisplays, our teams have a true commitment to being your trusted partner.



OUR SERVICES

- Off The Shelf LCD Products
- NVIS Integration and Design
- OCA, Optical & Bonding Services
- Custom LED Integration & Design
- Touch Screen Integration & Design
- Custom Glass Supply Services
- Turnkey & Design Services
- EMI Shielding & Design

- Film Enhancements & Repolarization
- Certificated FAA Part 145 Repair Station
- Component Assembly & Integration
- LCD Controller, Cabling & Design
- Testing/Certification of EOL Panels
- Drop-in Replacement
- Industrial Repair Program
- Zero Dead Pixel Inspection

Industries Served



MILITARY



AVIONICS



HOTEL



MARINE



MARKETING



MEDICAL



RESTAURANT



RETAIL



TRANSPORTATION



Our Services



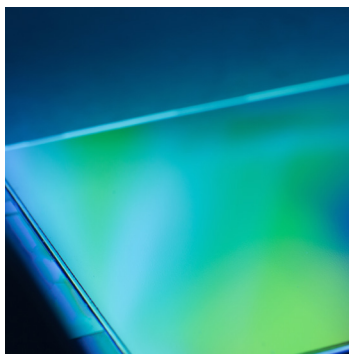
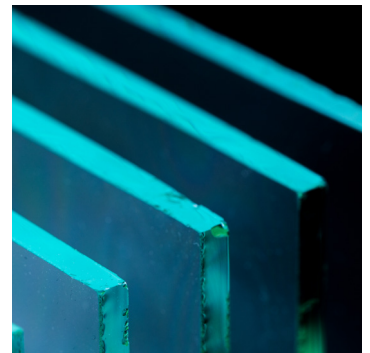
TOUCHSCREEN INTEGRATION

AGDisplays turns customer LCDs into touchscreens with the quick integration of a compatible touch sensor. We design compatible solutions for existing LCD projects or we can provide a new unit that is touch compatible. We also perform repairs, replaces or enhances touchscreen technology.

AGDisplays offers advanced touchscreen technologies like projected capacitive, resistive, surface capacitive, IR, and SAW touch sensors. We perform integration in our US-based facility.

COVERGLASS SOLUTIONS

AGDisplays offers a variety of cover glass options to add durability and protection to an LCD. Utilizing a glass substrate has the superior advantage of increased hardness and scratch resistance. We offer chemically strengthened soda lime: clear and tinted, grey glass, low iron, AG etched, low emissivity, heat absorbing float glass; AGC Dragontrail™; Corning® Gorilla® Glass. We offer three different bond integration methods: optical bond, OCA bond, and tape bond. Service options are available based on the size and specifications of your project.



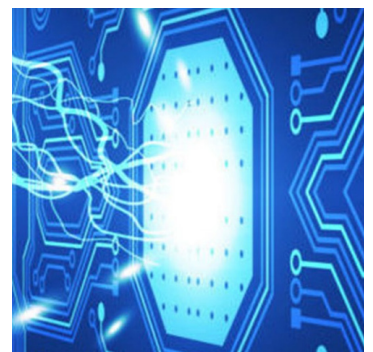
FILM ENHANCEMENTS

Increase brightness, eliminate reflection and glare, prevent EMI interference, add privacy features and more, just by integrating a film enhancement to your LCD configuration. These solutions may include a number of light management materials (reflective polarizers, efficient light pipes, light reflectors, etc.). Our film products are easily integrated into your current LCD, and may be retrofitted into any sized solution. AGDisplays builds film enhancement per customer project so that we can guarantee a optimized design specifically for your panel.

EMI SHIELDING

EMI film provides the “immunity” for electronic components that are susceptible to EMI (electromagnetic interference). Our solution options offer maximized optical performance and makes display/touch screen RFI compliant.

EMI film or mesh solutions integrate quick and easy, requiring no redesign and allowing for fast production. While our transparent film and mesh solutions are our most popular solutions, AGDisplays also offers other EMI options to meet your design requirements.



Our Services



HIGH BRIGHT INTEGRATION

AGDisplays are considered pioneers in high bright LED technology. We carry our own line of High Bright LED rails that we continue to advance as the industry changes. We offer custom-sized LED backlight solutions that we design and tailor to custom-fit your exact needs.

The AGDisplays design team works expertly with your specifications to integrate LED designs without compromising quality and readability. Our dependable component selections make the LED backlights and controllers offered by AGDisplays some of the most reliable in the industry.



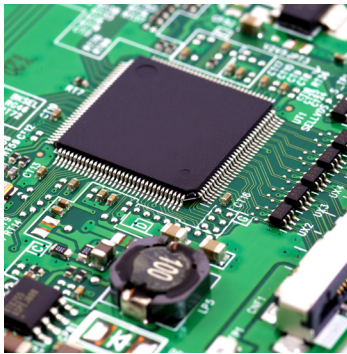
NVIS DESIGN & INTEGRATION

Whether you need to be compliant with MIL-STD-3009, or merely compatible with NVG equipment, we offer solutions tailored to accommodate your requirements and your existing LCD unit.

Our dual mode backlighting solution integrates high bright and class A or B light filters into the panel, providing the option of using the panel in daylight mode, then in night mode with the flip of a switch. Daylight readability is increased with the installation of our Generation 4 high bright LEDs, while night mode is ideal for use with night vision goggles. We also offer an NVIS filtering material for devices not requiring an active enhancement.



Our Services



CUSTOM LED & CONTROLLERS

We have a selection of high quality connectors with flying leads, designed by our experts for increased LCD compatibility and enhanced performance. Our team aims to improve design time and increase the lifecycle of your project components.

Our custom designed controllers seamlessly integrate with your unique panel specifications or virtually any OEM LCD panels. AGDisplays can also provide pairing and sourcing of the cabling/interface to drive your unit.

DROP IN REPLACEMENT

AGDisplays offers a drop in replacement service for customers who need to replace an LCD or LCD component when their original part is EOL. This service is also for customers who are looking for a cost effective, suitable replacements/upgrades to their existing LCDs. AGDisplays offers availability of standard or custom high-quality LCDs of virtually all shapes and sizes.

By simply providing us with your panel part number, general specifications and any other upgrade requirements, we source these products for you or we can source an equivalent replacement.



TURNKEY & DESIGN

A turnkey LCD solution is a project built so that the end customer is sold a completed LCD product, ready for use. It is our specialty to take on the responsibility for designing and developing a product that is ready to be used upon completion. LCD turnkey projects involve kitting LCD peripherals and components or just selling commercial off the shelf LCD products that are applicable across all industries. AGDisplays offers in-house assembly, testing and quality measures, packaging and drop ship capabilities. We are able to accommodate small and large volume production quantities.

INTEGRATION AND ASSEMBLY

AGDisplays offers Component Assembly and Integration services to provide LCD display options and peripherals, custom-designed to your needs. Your design components are sourced by AGDisplays, and carefully integrated in our US-based facility, providing you a true one-stop-shop for LCD solutions.

We source and support virtually all components such as controller boards, LED lighting systems and touchscreen sensors. If needed, value adds and custom solutions are available for upgrades.



Our Services



BONDING SERVICES

ACDisplays offers three different methods of bonding for your LCD to add strength and clarity, as well as using it as an integration method when incorporating one of our other value add services. In performing a bonding procedure on your LCD, your display will be more rugged and less prone to environmental vulnerabilities such as dust collection and moisture condensation.

Bonding methods are performed in one of ACDisplay's Class 1000 clean rooms to prevent any chance of contamination particles to interfere with the manufacturing process. Our optical bonding method is performed by a skilled technician on any sized LCD. Each LCD is carefully handled throughout the technical process. Quality assurance measures and testing are performed on each LCD to guarantee your specifications are met.



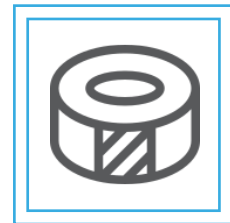
OPTICAL BOND

Optical bonding creates superior LCD strength, prevents screen shattering; LCD is less vulnerable to contamination and moisture.



OCA BOND

OCA bonding is thin, making it an ideal choice for small LCD frames. Our OCA adhesives are precisely adjusted to fit LCD panels 12" or smaller.



TAPE BOND

Our tape bond services provide a secure bond that increases productivity, long-term durability and improved appearance.

Our Services



COMPLEX INDUSTRIAL REPAIRS

AGDisplays is focused on refurbishing and repairing your LCDs; we specialize in providing cost-effective alternatives to LCD replacements. Our 124,000 square foot facility utilizes our multiple production lines and class 1,000+ clean rooms to perform precise modification and improvement procedures. For quality assurance measures, we perform a full diagnostic analysis for each repaired unit before sending restored LCDs back to customers.

CUSTOM SCREEN PRINT & DESIGN

Combining custom glass substrates with a printed logo or custom graphic on your units lets users know your name and/or gives your unit a modern and professional look. AGDisplays offers this screen print and custom glass service to provide a durable and long-lasting solution.

We offer various ink options for logo/graphic customizations. Inks are available in multiple colors and range from low temperature epoxies to high temperature inks.

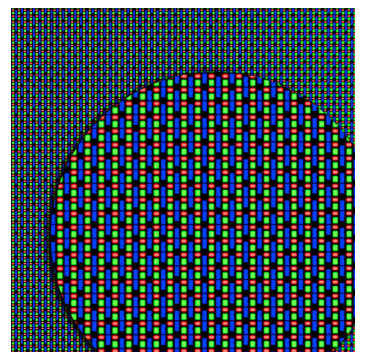


LIFECYCLE MANAGEMENT

AGDisplays works together with your teams to support your product's life from the conception to disposal. Implement an organized product lifecycle management program may be a challenge for companies who run into design and engineering challenges. We centralize the creation and management of all data and technology to support you in a successful lifecycle management system. At the end of a product's lifecycle, we can provide EOL display and component alternatives to extend your product's lifespan.

ZERO PIXEL INTEGRATION

Zero Pixel Inspection is for customers who have a zero fail pixel standard. Customers may send LCD panels from OEM directly to AGDisplays for inspection. We inspect for hot, stuck and dead pixels, as well as evaluate LCD quality standards. We confirm and document our findings for verification purposes. We receive panels from the OEM before they reach the customer and we verify that your zero-pixel specifications are being met. If the panel fails OEM specification grade, we perform an exchange for panels that are standard or above standard for your industry.



THANK YOU

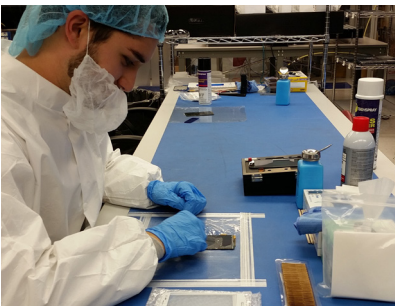
Thank You

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COMMUNITY OF EXPERTS

Whether we are met with a new design or challenged with improving an existing design, AGDisplays supports your team by delivering unparalleled LCD expertise and technology. AGDisplays' partners benefit from our efficient design process and our dedication to creating quality design solutions.

We saw the need for off the shelf products, so we've added an expansive line of open/closed frame LCDs, digital signage, and all-in-one products. We offer unique LCD products like advanced touchscreen tabletops, high quality medical displays and rugged mobile devices. All of which can benefit from our value add integration services. Our products are used across many industries including Military, Avionics, Marine, Industrial, Medical, Transportation and many more.



CERTIFICATIONS

AGDisplays values high-quality working and design standards. We support your teams with the knowledge & expertise needed to make strategic design and manufacturing decisions.



CERTIFICATED PART 145
REPAIR STATION



AGDISPLAYS IS
ISO 14001, 45001 & R2
CERTIFIED

CONTACT US

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