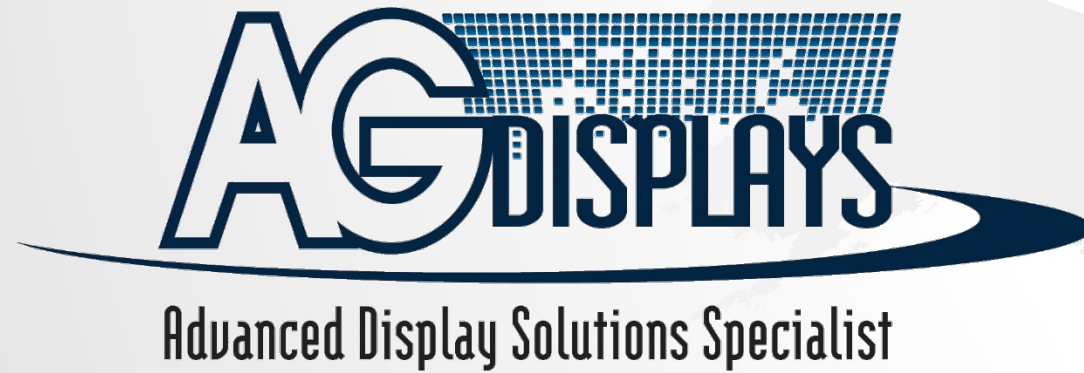


Visit our websites for tools &
more information:

ocabond.com

engineering.agdisplays.com

agdisplays.com



COMPANY OVERVIEW

ASSETGENIE, INC.

- Global Leaders in LCD Enhancements, Notebook Parts, PCB and LCD Repairs, and Reverse Logistics.
- Corporate headquarters established in 2000 in the historic town of Greensburg, Pennsylvania.
- In the past three years, AGI has grossed over \$100,000,000 with over 150 employees.
- Locations:
 - Greensburg, PA (Corporate Headquarters)
 - Wisconsin
 - Shanghai, China (IPO)
 - Boston, MA
 - Carrollton, TX



DIVISIONS OF ASSETGENIE, INC.



AGParts is an industry leader in parts and repairs of mobile devices across brands and product categories. We provide complete parts management solutions and select repair services for many leading brands and models of smartphones, tablets and laptops. AGParts also provides a turnkey parts management solution for large customers.



AGDisplays leads the way in offering the latest technology in LCD enhancements and ruggedized displays. We deliver an extensive range of custom panel solutions to improve standard LCD display attributes and to maximize their performance in any environment. Our knowledge and high quality control standards separate us from the rest.



AGiRepair has established itself as an industry leader in the repair of Apple devices and components, providing repairs for businesses and educational systems throughout the United States. AGiRepair is dedicated to providing the highest quality, fastest turnaround time, and the most affordable price on Apple device repairs and replacement parts for educational institutions.



AGDISPLAYS

VISION

AGDisplays aims to provide cutting-edge LCD solutions for our customers, designed to increase the value and longevity of the LCD product. We strive to deliver exceptional customer service with quality products and services you can trust.

MISSION

AGDisplays uses our extensive knowledge on LCD electronics to evaluate and create solutions specific to your project needs. Our team takes pride in taking deliberate steps in your unique design process to modify or enhance specifications for seamless solution integration.

- Established as a DBA of AssetGenie, Inc. in 2007, in Greensburg, Pennsylvania
- AGDisplays offers transparency throughout sales and production cycle in order to promote cooperation.
- Full in-house programming team.
- Team of 40+ years of LCD technology experience.
- 84,000 sq ft facility, three state-of-the-art class 1000+ clean rooms, ESD control on production floor, five lines of OCA equipment, universal testing equipment

Founded; Pioneer LED rails

2007

Developed a wide range of custom solutions

2009

2010-13

Developed multiple NVIS design and solutions

Added optical bonding

2014

Certificated FAA Part 145 Repair Station

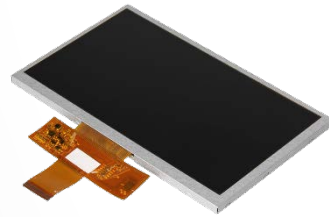
2015

Offer OCA bonding service

2016

SERVICES

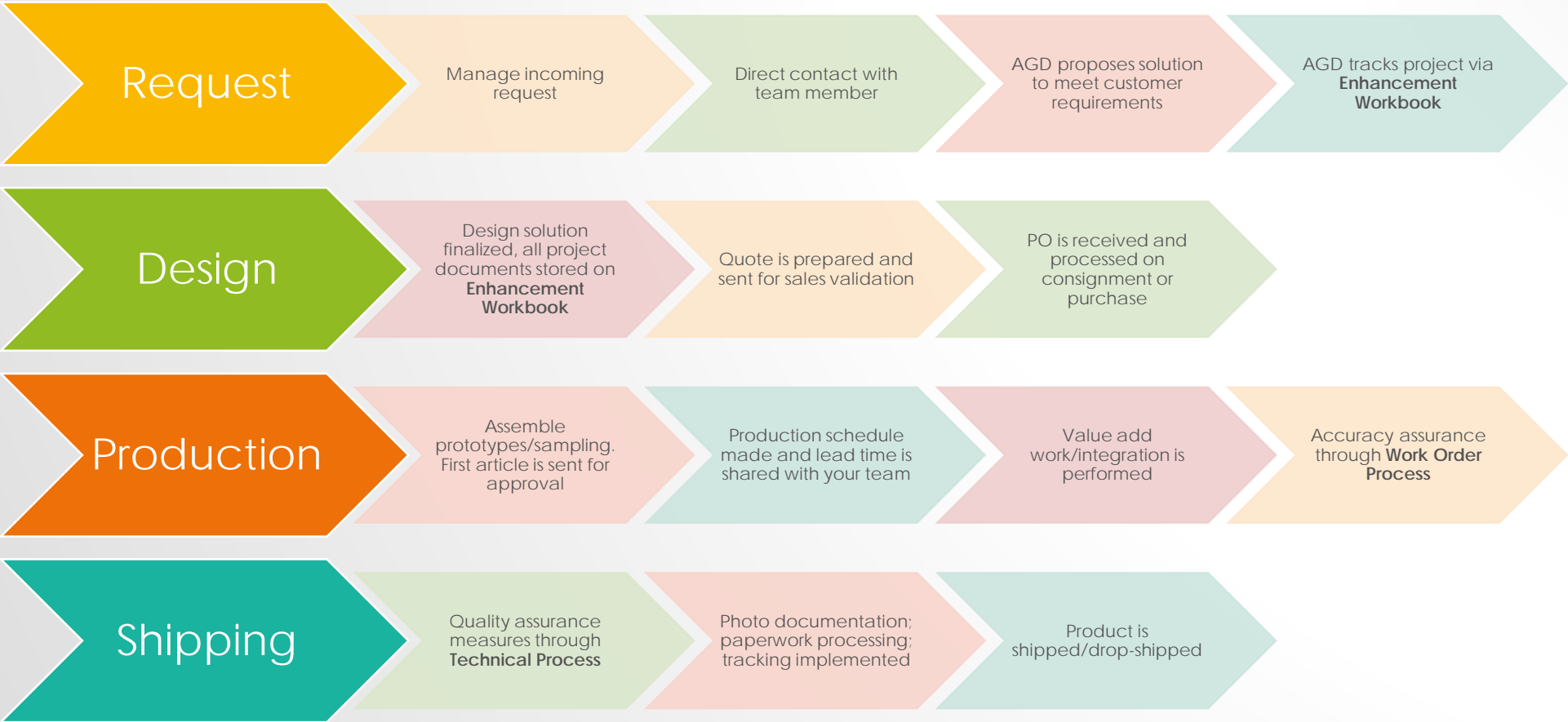
- NVIS Integration and Design
- OCA, Optical & Bonding Services
- FAA & Industrial Repairs
- Custom LED & Controllers
- Touch Screen Integration & Design
- Custom Glass Supply Services
- Turnkey & Design Services
- EMI Shielding
- Film Enhancements & Repolarization
- Drop-In Replacement Services
- Component Assembly & Integration
- No Data Repair & Zero Pixel Inspection
- Excess Panels & Drop-In Replacement



CUSTOMERS



PROJECT MANAGEMENT SYSTEM OVERVIEW



PASSIVE ENHANCEMENTS

Enhancement	Description
EMI Shielding	An EMI filter is used to suppress conducted interference present on any power or signal line to prevent interference between devices.
Privacy Film	Decreases side-viewability, increases user privacy when viewing onscreen confidential/sensitive information
Brightness Enhancement Films	Brightens display and does not increase power consumption. Multiple films can be used in conjunction with a variety of reflective polarizers to achieve even greater brightness.
Anti-Reflective (AR) Film	AR film eliminates reflections and increases light transmission. Offers better contrast and sharper image.
Anti-Glare (AG) Film	AG film breaks up reflected light on the surface of the panel, reducing outside glare and increasing panel readability.

Passive enhancement process requires no changes in neither electronic components nor additional wattage consumption. This process may include a number of light management materials (reflective polarizers, efficient light pipes, light reflectors, etc.). These enhancements are suitable for industrial and defense applications.

Our LCD enhancements are capable of brightening your display without increasing power. Our enhancements also increase display contrast and readability. Review the chart to the left to see what film helps increase clarity and image quality. Many of these films prevent scratch and display contamination.

TOUCH SCREEN SOLUTIONS

SOLUTIONS

Our experienced experts evaluate your panel and work with you directly to determine the best possible solution to deliver your desired results. Our touch screen process includes expert installation and calibration services to ensure proper and precise touch screen functionality.

Sensor	Brief Description
Resistive	Activated with finger, stylus, glove, etc., low cost, low power consumption
Capacitive	Better image, durable, high scratch resistance
Projective Capacitive	Activated with finger, surgical or thin cotton glove, multi-touch
Surface Acoustic Wave	Excellent image quality, superior scratch resistance
Infrared	Highest image clarity and light transmission, unlimited touch life

FEATURES

- Upgrade panels to touch screen capable LCDs
- Integrate touch screen sensor into existing panel
- Work with experts to determine best sensor solution for your panel's working environment
- Multiple bonding integration options
- Ideal for all applications: military, healthcare, industrial, automotive, and marine industries
- High touch accuracy
- Gloved finger, stylus or bare hand activation
- Medium to high durability
- Multi-touch and surface debris resistance

LED SOLUTIONS AND UPGRADES

SOLUTIONS

AGDisplays is a pioneer in LED solutions; we continuously upgrade our LED technology to stay ahead of the active marketplace. We offer advanced LED technology to maximize your panel's functionality and lifespan. Our customized LED controllers employ constant current and dimming technology. We offer two styles of integration and design for your panel: direct backlight or edgelit array. Consult with your AGD expert to discover how a high bright LED upgrade will improve your LCD's lifespan and functionality.

FEATURES

- Customized LED controllers
- Upgrade from outdated CCFL or less efficient LED rails
- Increase lifespan to 10,000-100,000 hours
- Less power consumption with higher brightness levels
- Environmentally safe: ROHS-compliance
- Reduced EMI emissions
- More durable weather conditions*: -40° to 85°C
- High power LEDs improve contrast ratio
- Retrofitted to any sized LCD

*Each product specification may change.

BONDING SOLUTIONS

OCA Bond

A safe alternative to liquid bonding, OCA bonding reduces reflection layers in a panel, while providing a high yield and is repairable.

Features

- Increased Readability
- Strengthened Durability
- High Adhesion UV Protection
- Bare ITO Compatible
- Whitening and Yellowing Resistant
- Outgassing Resistant

Optical Bond

Our bonding is performed with a proprietary adhesive, which is solidified with one of our three curing methods.

Features

- Increased luminance and contrast, reduced internal reflections
- Ruggedization
- Re-workable
- Halogen-free
- UV Resistance
- Non-yellowing
- Extended operating temp

LOCA Bond

We deliver a cost effective, scalable system in which the components are processed at ambient temperature without the use of vacuum, temperature, pressure and need for multiple tooling.

Features

- Impact resistant
- Vibration tolerance in accordance with MIL-STD-810F-514.5
- Superior shock absorption
- Stable from -55°C to 95°C

Tape Bond

Perimeter bonding helps your company save on costs while still ruggedizing your panels sufficiently.

Features

- Retrofits to any size LCD
- Bond with high adhesion
- Withstands static or dynamic strength
- Viscoelastic
- Damp vibration
- Re-workable
- Continuous bond distributes stress over entire bond

NVIS SOLUTIONS

SOLUTIONS

We offer two customizable NVIS solutions for TFT-LCDs. Our NVIS solutions are ideal for use in military, avionics and industrial applications, including limited mobile devices.

Our dual mode backlighting solution involves integrating both high bright and class A or B light filters into the panel. This provides the option of using the panel in daylight mode and in night mode. 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 looking for an active enhancement. Consult with AGD experts to find which solution best fits your needs.

FEATURES

- Dual mode backlighting
- Full front NVIS
- For use with NVG
- Switch from daylight to night time mode with the flip of a switch (dual mode)
- High bright edge lit LED integration
- Polymeric material that is easily removable
- Compliance to MIL-STD-3009
- Various optical coatings available, such as AG and optically clear hard coat
- Glass protection from abrasion and spills
- Class A&B filtering options

COVER GLASS SOLUTIONS

SOLUTIONS

Selecting an appropriate cover glass substrate is an important element of your LCD's build. Each type of glass substrate offers different characteristics, depending on composition of the substrate. Cover glass can be enhanced/treated to strengthen, promote sunlight readability, ruggedize, protect from EMI interference, and enhance optical functionality to the benefit of your specifications.

Quality cover glass coatings can influence and control transmittance, resistance, absorbance and reflectance. These coatings are easily integrated in accordance with the needs of your specifications.

FEATURES

Materials Offered:

- Chemically-Strengthened Soda Lime
- AGC Dragontrail™
- Corning® Gorilla®
- Polycarbonate

Treatments:

- Anti-Glare (AG)
- Anti-Reflective (AR)
- Oleophobic
- Silk-screening
- Transparent Conductive Coatings

Applications:

- Electronic Displays
- Liquid Crystal Displays (LCD)
- Touch Screen Displays
- Industrial and Commercial
- Ruggedized

Benefits*:

- Chemically-Strengthened
- Scratch Resistant
- Crack Resistant
- Improved Surface Quality
- Enhance Response
- Thin and Light without Fragility
- High Transmittance
- Low Reflectance
- Durability
- Weather Resistant
- Easy to Clean
- Electro-Magnetic Shielding
- Oil and Fingerprint Resistant

*Depending on specific material/treatment.

ADDITIONAL SERVICES

REPAIR AND TESTING

We test LCDs upon receipt and prior to outgoing shipments to ensure quality assurance and liability. Our team of experts work with you to provide testing for LCD's to ensure functionality.

COMPONENT ASSEMBLY

AGDisplays will assemble multiple components into a customized or pre-bundled configuration. This option can be designed while designing a unique build, or with the specific request for component assembly.

DROP IN REPLACEMENT

AGDisplays evaluates your current design and LCD part number to offer you the availability of a drop in replacement. Finding a suitable replacement LCD will allow you to avoid other changes such as system boards, electrical components, and more costly metals and plastics enclosures.

'NO DATA' REPAIR

When no data displays onscreen, AGDisplays will troubleshoot and replace VCC fuse replacement. Allowing for savings and preventing whole-unit replacement.

PART 145 REPAIR STATION

The Federal Aviation Administration has found AGDisplays in compliance with the requirements of the Code of Federal Regulations Title 14 Part 145 for Repair Stations. AGDisplays employs a Part 145 Limited Airframe, Limited Accessories rating.

We perform maintenance and repairs to in-flight LCD panels in our facility in accordance with contract requirements. We employ Part 65 certified repairmen trained to inspect, repair, and approve airworthy LCD panels within the Repair Station's rating.

With our Air Agency certificate, AGDisplays ensures that programs, quality systems and methods of compliance are stringently reviewed, evaluated, and documented when it comes to the maintenance of FAA-approved articles. Companies looking for in-flight panel repairs can now contact AGDisplays to discuss capabilities.

As a certificated Part 145 Repair Station, we implement top-notch quality assurance procedures to evaluate efficiency. Currently we are able to provide repolarizations under our certificate and we are working hard to expand our capabilities to allow us the ability to provide in-flight entertainment LCDs.



AGDISPLAYS SYSTEMS

SmartShip

AGD's high velocity shipping module that includes order status alerts, serial number scanning, picked part verification, and customer shipment notification. Custom labels, paperwork, and emails are generated on a per-customer basis. Replace broken units with drop-in panels.

ATOM

A highly versatile inventory management suite that provides both AGD and the customer access to inventory stored. ATOM also includes testbed management, serialized part tracking, inventory location transfer utilities, and work order price negotiation. We have a secure list of trusted vendors with whom we maintain current business practices.

PartMaster

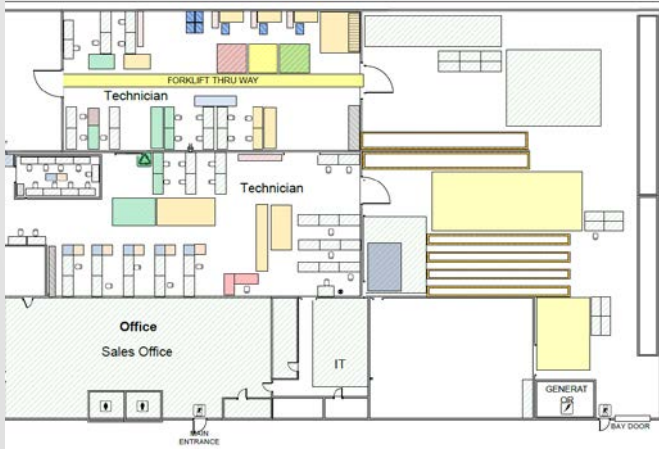
AGD's custom part information tool. PartMaster stores all critical data about a part, including technical specifications, multiple informative images, employee-entered notes, and stock levels. PartMaster provides quick and easy access to the wealth of part information that has made AGD such a strong competitor in the marketplace.

Repair Matrix

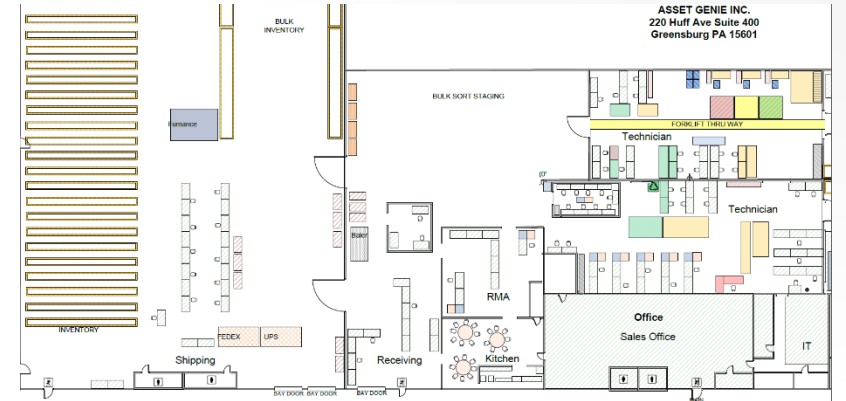
AGD's online repair tracking system that is capable of tracking and receiving client shipments; reporting discrepancies; recording customer and AGD serial number; capturing failure, repair and QC data; and offering a dedicated and secure customer portal.

FACILITY LAYOUTS

AGI REPAIR LAYOUT – SALES & REPAIR



AGI REPAIR LAYOUT – AGPARTS & SHIPPING



AGDISPLAYS





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and more information:

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THANK YOU

AGDisplays is committed to becoming your trusted partner.

