

Our Mission

*"Design and Manufacture
World Class Custom Display Monitors
for the OEM Market,
Exceeding Customer Expectations
with Every Design."*

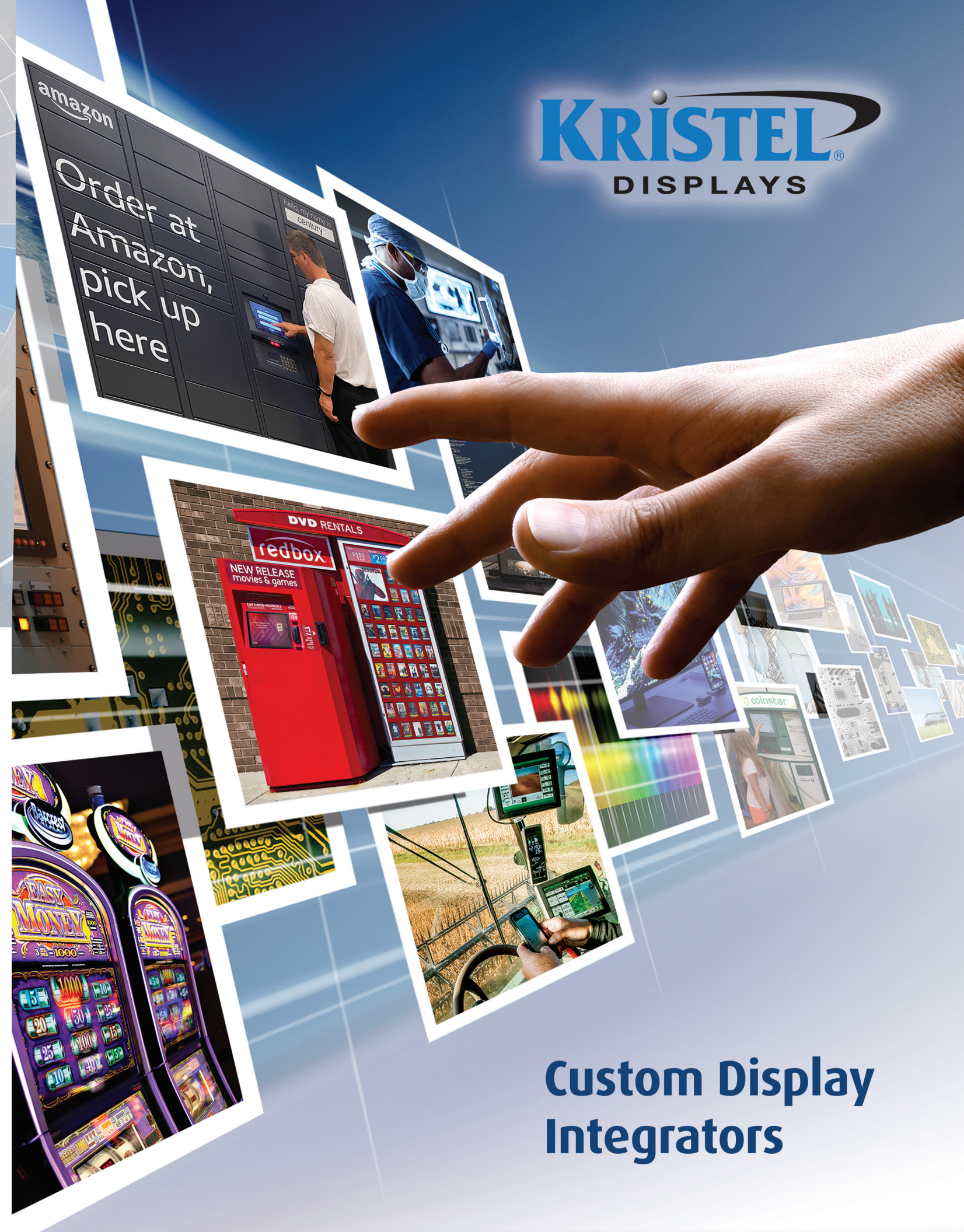
KRISTEL
DISPLAYS



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www.kristel.com

U.S. Headquarters
555 S. Kirk Road
St. Charles, IL 60174
sales@kristel.com
630-443-1290

Taiwan Location
2F, No. 542-3, Zhongzheng Road
Xindian District, New Taipei City 231
Taiwan, ROC
+886 2 8667 6189 Ext. 15



**Custom Display
Integrators**



We Design and Manufacture Custom Display Systems

Our Capabilities and Customized Solutions

Who We Are

We are Kristel Displays, a privately owned company founded in 1985. Kristel has been supplying high quality, cost effective and dependable display solutions to OEM's for over 35 years via Kristel's wholly owned production facilities in the USA and Taiwan.

What We Do

Kristel specializes in designing and manufacturing 2" to 65"+ integrated display solutions. Kristel has extensive experience in optical bonding, touch screen integration and full system design including custom video interfaces and specialized software/firmware development. Kristel has a strong background in Single Board Computer (SBC) incorporation, power supply design and implementation along with complete mechanical and chassis/frame design experience. These capabilities allow you to design a customized open-frame display or a complex All-In-One (AIO) display system.

Markets Served

Kristel is a world class supplier of customized display solutions to multiple OEM markets including *Kiosk, Medical, Industrial Control, Agricultural, Gaming, Transportation, Military, and Food & Beverage industries.*

All display assemblies are custom designed to your exact mechanical, electrical, and environmental criteria allowing the end product to exceed expectations in your target application.

Engineering Capabilities

Our global engineering staff specializes in customized product design and manufacturing including end product validations. Kristel's engineering staff will completely design your product to your exact requirements, or cooperatively design the product alongside your staff to achieve the custom designed display system that you require. Our global engineering teams verify that all phases of product realization are completed on time with effective communication to you at each design step.

Manufacturing Operations

Kristel has mirror production facilities in the USA and Taiwan to accommodate quick-turn prototyping and sustained low-cost production. Class 1,000 clean rooms are utilized for all critical assembly steps. All production facilities are ISO9001 certified and have extreme flexibility to manufacture high volume display systems ranging from simple to complex.

Expertise in Optical Bonding

Kristel is a pioneer in optical bonding with over 28 years of bonding experience including bonding to touch screens and vandal glass. Optical bonding benefits include increased contrast ratio, ruggedness, durability and sunlight readability via reduced screen glare.

Kristel uses a semi-automated and re-workable liquid optical bonding process which reduces work time and product change-over time in each station, allowing for maximized production output. An advanced optical gel technology provides superb optical clarity and increased color saturation. Our specialized quick-dry process is incorporated for increased throughput.

This proprietary process has produced hundreds of thousands of Kristel bonded displays already in the field, with excellent proven reliability!

Our Suppliers

We have many years of experience working with the top display manufacturers in the world. By having a strong relationship with our suppliers, we can provide attractive pricing, flexibility, and world-class support.

Some of our key suppliers include the following:



Sourcing TFT-LCDs and OLED Displays

- 2" to 65"+
- Standard Brightness, High-Brightness
- Low Power Consumption

Touchscreen Integration

- Touch Sensor – Resistive, Projective Capacitive, ect
- Standard and Customized Touch Controller
- Coverglass – Standard, Anti-Vandal, Anti-Glare/Reflective Surface Treatment

Electronic Design and Integration

- A/D Boards (RGB, DVI, HDMI, 4K)
- Power Supplies and Backlight
- Custom Cables and FPCs

Production and Manufacturing

- Optical Bonding
- Engineering and Manufacturing Capabilities in US and Taiwan
- Supply Chain Management

Embedded Solutions

- ARM and X86-based embedded CPU
- Customized LCD Controller Board
- Pre-configured demo kits. Full Custom Single Board Computer Design

Custom Mechanical Design and Integration

- Mounting Systems
- Customized Housing and Frames
- IPC/NEMA Rated

Research and Development

- Testing – Climate, Shock and Vibration, Endurance, EMC/EMI
- Software/Firmware Development
- Certification Support – UL and Regulatory

