

# UV Display Adhesives Provide Fast, Clear, Bubble-Free Optical Bonding

*Enhance LCD and Plasma Screens, Monitors, Outdoor Kiosks, and Navigation Systems*

DYMAX display adhesives are specifically formulated for applications where crystal-clear, invisible bonds are required. DYMAX solvent-free laminating adhesives bond glass to glass, glass to plastic, and plastic to plastic upon exposure to ultraviolet light, in seconds. They resist yellowing, allowing for increased light transmission and accurate color, and enhance the brightness and clarity of liquid crystal displays (LCD), monitors, plasma screens and kiosk panels. Reduced air entrapment creates strong, ripple-free bonds that help increase panel strength.

“On demand cure” means substrates can be repositioned precisely until parts are ready to be cured. Using a thin layer of DYMAX adhesive controls cost and can reduce the weight of the final product. The adhesive also acts as a barrier against stress, significantly improving product reliability and warranty costs. DYMAX display adhesives come in a variety of viscosities for ease of use and controlled dispensing and are available in a wide range of packaging sizes.



Laminating glass to glass with DYMAX 9641

- One component, no mixing required
- Flexible
- Low stress
- Low modulus
- Resistant to yellowing
- Fast cure
- High strength
- Bonds various substrates
- High optical clarity
- Enhanced thermal cycling



LCD laminating plastics with DYMAX 3-20261



LCD being plugged with  
DYMAX 9-20737

Product Number	Description	Viscosity (mPas)	Refractive Index	Substrates Bonded	Applications
9-20737	Sealing gaps between bezel and screen surface; highly thixotropic for minimal flow	11,000	*	CAB to acrylic	Screen and polarizer laminations
3-20261	Excellent moisture and thermal shock resistance; cures through UV-blocked or tinted plastics	1,400	1.51	Polycarbonate to polycarbonate	LCD and screen laminations
9641	Resistant to yellowing from UV and heat; linear shrinkage 0.6%; low viscosity; hardness 00-56; bonds to various substrates	2,000	1.48	Glass to glass; PET to ITO glass	LCDs and screen laminations
9641-LV	Low-viscosity version of 9641 for enhanced flow across active area	1,100	1.48	Glass to glass; PET to ITO glass	LCDs and screen laminations

<i>Glass to Glass Bonding with DYMAX 9641</i>	
<i>PET to ITO Glass with DYMAX 9641</i>	
<i>Polarizer Plastic to Plastic with DYMAX 9641</i>	
<i>Plastic to Mesh to Plastic with DYMAX 3-20261</i>	
<i>Glass or Polycarbonate to CTA</i>	
<i>Polycarbonate to Polycarbonate with DYMAX 3-20261</i>	



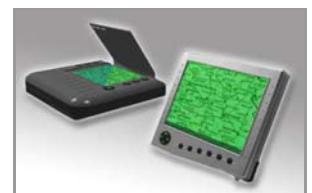
LCD Monitors



Portable Music Players



Informational Kiosks

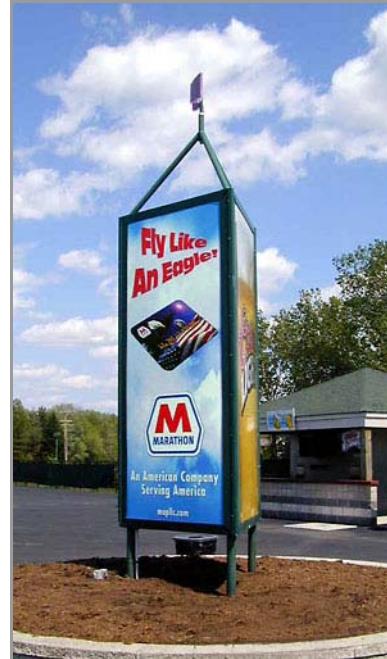


Navigational Systems

# Common Applications of DYMAX LCD Laminating and Bonding Adhesives



**Interactive Touch Kiosks**  
*Adhesive bonds remain pliable without affecting performance.*



**Outdoor Kiosks**  
*Resists yellowing and harsh environments.*



**LCD Games**  
*Economical-to-use adhesive solutions keep product costs down.*



**Bus and Train Station Information Monitors**  
*Various unlike substrates can be laminated with a single adhesive. Not affected by temperature variations.*



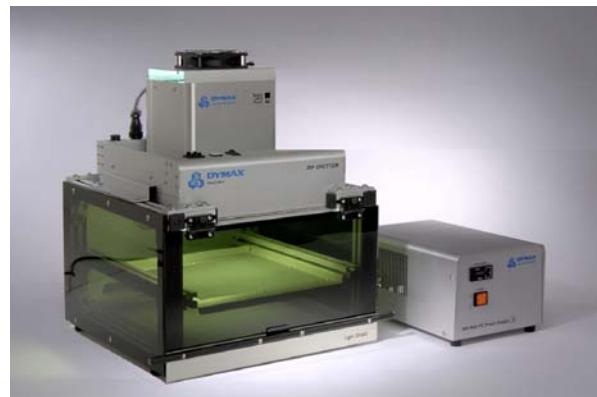
**DYMAX adhesives can be used in lamination applications to prevent screen glare.**

# DYMAX UV Light Curing Systems for Display Bonding

DYMAX LCD adhesive products cure upon exposure to ultraviolet light. A range of curing options is available from DYMAX from conveyorized systems to complete flood lamp or modules to curing accessories such as radiometers.



DYMAX UVC conveyor systems come in a range of curing widths to accommodate LCD screens in various sizes. Customized conveyors are also available. Contact DYMAX for more information and free consultation.



DYMAX flood lamp systems are available for incorporating into existing assembly lines or for mounting over DYMAX UVC conveyor systems. Contact DYMAX for more information and free consultation.

For further assistance with adhesive and equipment selection, contact your DYMAX Technical Service Representative.



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In the U.S. Call: 1.877.396.2988

In North and South America Call: 860.482.1010

In Asia Call: 852.2460.7038

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