

Full-Suite Optical Bonding Services

Our expertise lies in offering cutting-edge, in-house optical bonding technology to meet the diverse needs of our clients. Our comprehensive services extend beyond touch panel and display bonding to include protective cover lenses (glass, PC, or PMMA) and display bonding. With AMT, clients gain access to a streamlined, highly-efficient one-stop service, optimizing their supply chain processes while enjoying unparalleled professional support and service. Allow us to illuminate the distinctive advantages of AMT optical bonding for your business.

Small to Large: Support LCD Panels up to 32"



As an industry leader in thick OCA bonding technology, AMT leverages its exclusive Lucent Gel solution, boasting thickness options from 0.5mm to 1.8mm. Our patented technology is compatible with a wide range of LCD types, including those featuring metal frames or tape-sealed designs, as well as Open Cell displays, and beyond.

Supporting LCD panels up to 32 inches in size, AMT brings extensive expertise to the table, overcoming the unique challenges associated with various LCD panel types. Trust AMT to deliver unparalleled optical bonding solutions, setting the standard for industry-leading technology.

Ecological and Effective: Anti-UV ePaper with Optimal Visibility



In response to the rising global focus on environmental sustainability and energy efficiency, there is a surge in demand for ePaper (or EPD) technology, amplifying the spotlight on ePaper display optical bonding solutions. Given the delicate nature of the thinner base glass for ePaper, optical bonding for ePaper presents unique challenges which AMT's patent Lucent Gel could tackle. At

AMT, we don't just offer ePaper optical bonding solutions; we go the extra mile by integrating front light guides to guarantee optimal visibility of ePaper displays even in dim-light environments. Trust AMT to meet your ePaper display needs with precision and innovation, ensuring clarity and durability in every solution.

Value-add Cover Glass Bonding Service

AMT offers comprehensive optical bonding solutions catering to a wide spectrum of client needs. Beyond bonding touch panels to LCD panels, we specialize in servicing customers whose applications don't necessitate touch functionality. For clients desiring cover glass bonding to safeguard LCD panels and incorporate specialized surface treatments or value-added features, AMT stands ready to deliver. Utilizing silicone-based OCA, our optical bonding elevates the reliability of LCD panels, meeting the varied application demands across industries including

industrial, medical, automotive, outdoor products, and beyond. Trust AMT to optimize your display solutions with precision and innovation.

Curved, Dual-Screen, and Beyond



Innovative products are increasingly incorporating curved screens, such as automotive dashboards or gaming devices, to offer a unique and attention-grabbing design. On the other hand, in transportation applications, dual-screen designs involve bonding two

displays onto a single glass. This provides design safety assurance, as the system can still function if one fails. Such designs are becoming more common. AMT's exceptional optical bonding technology excels in supporting bonding for curved displays or dual screens, ensuring durability and reliability in demanding environments. Trust AMT to elevate your product's visual appeal and functionality with our advanced bonding solutions.

Even Broader Anti-UV Protection



Emphasizing the criticality of UV resistance, particularly for LCD panels or ePaper displays deployed outdoors or in semi-outdoor settings, AMT's optical bonding solutions incorporate advanced anti-UV features. Without adequate UV protection, displays are susceptible to yellowing or cracking over time. While the cover glass can absorb UVB and UVC wavelengths below 300nm, UVA rays can still penetrate, potentially harming the underlying display

components. With AMT optical bonding, the anti-UV feature provides extended protection, ensuring longevity and durability for displays, effectively safeguarding products against UV-induced damage. Trust AMT to fortify your displays against environmental elements with our cutting-edge solutions.