

3M Showcases High-Performance Solutions for Consumer Electronics Industry at CES

3M Electronics is exhibiting [some of the company's industry-leading solutions](#) for the consumer electronics industry during the 2014 International CES, taking place Jan. 7-10 in Las Vegas. CES attendees are also invited to get a free 3M Privacy Screen Protector applied to their iPhone® 4S or iPhone® 5 Tuesday through Thursday, from 11 a.m. to noon (PST) while learning more about the 3M technologies below at booth number 30459.

Screen privacy and protection products

The latest in screen privacy for mobile and desktop devices from 3M will be showcased and in particular, a key solution to the emerging data security risk of corporate information access on mobile devices. A proprietary micro-louver technology from 3M lets the user see a clear image, while showing a dark, blank screen to anyone viewing the display from a side angle. 3M screen privacy and protection solutions are available for tablets, smartphones, laptops, and monitors, as well as for managing light in industrial and automotive applications. Other booth displays include a larger-than-life 3M™ Privacy Screen Protector, [and the full line of 3M™ Privacy and Screen Protector products](#), plus the newly-introduced [3M™ Easy-On Privacy Filters for iPads®](#), with an interactive attachment wall. Learn more at www.3mscreens.com.

Dot enhancement film

Devices such as smartphones, tablets and televisions can be made lighter, brighter and more energy efficient with 3M™ Quantum Dot Enhancement Film (QDEF). The new product from 3M allows up to 50 percent more color than current levels in liquid crystal display (LCD) devices. 3M has teamed with Nanosys, Inc. to produce the 3M QDEF solution.

Presently, LCDs typically are limited to displaying 35 percent or less of the visible color spectrum, resulting in a viewing experience that can be vastly different than what a person sees in the real world. The wider color gamut displays available through the new 3M film let consumers enjoy more visceral, more immersive, and truer-to-life color. Learn more at 3M.com/color.

Touch screen films

3M recently announced new films to help touch screen manufacturers and integrators meet the growing demand for touch-enabled consumer electronics.

3M™ Patterned Metal Mesh Film enables new design possibilities, such as curved and foldable touch screens, allowing OEMs and ODMs to create the next generation of touch-enabled smartphones, notebooks and tablets. 3M™ Patterned Silver Nanowire Film combines the expertise of two leading technology and manufacturing companies – 3M and Cambrios Technologies Corporation – to provide the quality and volume that touch screen manufacturers demand. The flexible film can conform to angles and rounded surfaces, enabling next-generation curved and rollable touch sensors.

3M™ ITO Film and 3M™ Advanced ITO Film offer excellent optical transparency, high conductivity and product quality at competitive prices.

3M plans to ramp up its global touch sensor film manufacturing capacity to more than 600,000 square meters per month, in aggregate, to support the growing demand for consumer touch-enabled devices, such as smartphones, tablets, laptops, all-in-ones (AIO) and monitors. Learn more at 3MTouch.com/films.

Touch displays and systems

3M showcases its latest multi-touch solutions for interactive digital signage applications, including a new 42-inch multi-touch display, large-format multi-touch systems and downloadable multi-display/multi-touch software. Learn more at 3M.com/multitouch.

Design-enabling materials for a new generation of electronic displays

3M will also showcase a variety of industry-specific materials that help maximize the functionality, reliability and productivity of electronic displays, enabling brighter, lighter, thinner, state-of-the-art devices. 3M Optically Clear Adhesives (OCAs), Liquid Optically Clear Adhesives (LOCAs), Electronic Assembly Tapes, and Contrast Enhancement Films will be featured as part of the 3M Electronics display. Based on core 3M adhesive technology, 3M [Optically Clear Adhesives](#) are precision-manufactured to virtually eliminate common adhesive visual defects such as bubbling, which can distort the display and diminish consumer satisfaction with their device.

3M OCA's meet certain specific display bonding requirements with the unique ability to customize the functionality, reactivity and performance of the adhesive. 3M's collaborative culture and bench-to-bench approach, combined with electronics materials expertise, breadth of product portfolio and alignment with key consumer electronics industry leaders provides many innovative answers to demanding industry needs.

About 3M Electronics

3M Electronics provides a wide array of innovative products and systems that enable greater speed, brightness and flexibility in today's electronic devices, while addressing industry needs for increased thinness, sustainability and longevity. Using the most recent R&D advances in materials and science, 3M offers technology, materials and components to create exceptional visual experiences; enable semiconductor processes and consumer electronics devices, and enhance and manage signals. 3M Electronics enables the digitally enhanced lifestyle of today and tomorrow. Learn more at: <http://www.3Melectronics.com>.

About 3M

3M captures the spark of new ideas and transforms them into thousands of ingenious products. Our culture of creative collaboration inspires a never-ending stream of powerful technologies that make life better. 3M is the innovation company that never stops inventing. With \$30 billion in sales, 3M employs 88,000 people worldwide and has operations in more than 70 countries. For more information, visit www.3M.com or follow [@3MNews](#) on Twitter.

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3MJeanine Brooks, 512-984-2146 njb Brooks@mmm.com For all other inquiries:
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