



Contact

Kevin Gallagher

Gallagher PR

+1 (510) 599-0416

kevin@gallagherpr.com

C3Nano Announces Breakthrough Material for Flexible Touchscreen Displays

ActiveGrid™ Gen 7 Ink Combines Industry-leading Optical Quality with Outstanding Flexibility

HAYWARD, CA – April 29, 2019 – [C3Nano Inc.](#), the world's performance leader in silver nanowire-based [transparent conductive inks and films](#) used in flexible displays, touchscreens and other products, today announced another leap forward with its new ActiveGrid™ Gen7 ink, which delivers breakthrough clarity, conductivity and flexibility. C3Nano has been shipping inks to serve the display market for years, but its new ActiveGrid Gen7 ink delivers ~50 percent lower haze compared to the previous ink generation from C3Nano, which was already the leader in terms of performance for inks in mass production. C3Nano's ActiveGrid Gen7 provides the industry-leading optical clarity with outstanding conductivity from 30-100 ohm/sq. and the flexibility to withstand more than a million bend cycles. ActiveGrid Gen7 ink is now available for volume shipments to customers.

C3Nano's NanoGlue™ technology is the secret to the company's ability to consistently deliver improved ink generations year after year. To obtain less dense films without junction resistance, C3Nano uses its patented NanoGlue technology to fuse the junctions of silver nanowires, creating a more transparent grid that yields superior clarity and conductivity while supporting the flexibility needed for today's and tomorrow's consumer display products.

Based on its superior optical performance and strong IP position, C3Nano's ActiveGrid is already in mass production for two of the world's initial flexible display devices. The company currently holds more than 20 core patents with an additional 45 pending, covering its break through NanoGlue technology, nanomaterial synthesis, ink formulations, conductive films, and the use of conductive and patterned conductive films in a variety of devices and applications. Evidence suggests that competitors are currently using C3Nano's proprietary fusing technology in an attempt to achieve performance closer to C3Nano proprietary products.

"Silver nanowire-based transparent conductors have outstanding characteristics for supporting the new generation of flexible touchscreen displays," said Dr. Jennifer Colegrove, CEO and principal analyst at Touch Display Research Inc. "In the Flexible Display & Flexible Touch 2018 report, Touch Display Research forecasts silver nanowire transparent conductor will continue to have rapid growth in the next several years."

"ActiveGrid Gen 7 ink is the result of our drive to lead the industry in flexible touchscreen and display materials," said Dr. Ajay Virkar, CTO and co-founder of C3Nano. "Rather than pre-announcing our products by months or years, or asserting baseless patent claims, we continue to improve our technology, and the proof is in our unrivaled performance."

About C3Nano, Inc.

C3Nano is an advanced display materials manufacturer serving a wide range of electronic applications. C3Nano's conductive inks and films deliver superior performance for large interactive displays, foldable smartphones and tablets, wearables, and other products. Founded in 2010 as a spinout from Stanford University, C3Nano's investors and partners include GSR Ventures, Nissha Printing Co., Ltd., Phoenix Venture Partners, Hitachi Chemical, Lens Technology, Nagase America, and a top Internet technology company headquartered in Silicon Valley. C3Nano is headquartered in Silicon Valley, California with manufacturing operations in Hayward, CA, and Changzhou, China, and sales and technical support across Asia.

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