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CONTACT**

MacDermid Alpha Electronics Solutions
245 Freight Street
Waterbury, CT 06702
United States

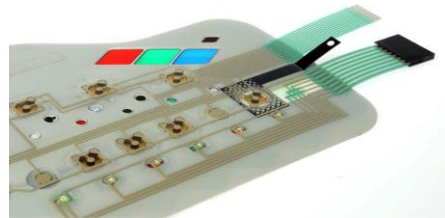
Tel: +12035755700

Web: www.macdermidalpha.com

PRESS RELEASE

**MacDermid Alpha's Affinity™ Flex Installation at Shenzhen Moker Marks a Major
Advancement for High-Reliability Flex PCB Manufacturing in China**

(Waterbury, CT USA) – March 31, 2026 – MacDermid Alpha Electronics Solutions, a leading supplier of integrated materials and chemistries to the electronics industry, is proud to support Shenzhen Moker with the installation of Affinity Flex. This deployment of a cyanide-free Electroless-Nickel-Immersion-Gold (ENIG) process represents an important advancement for flexible printed circuit board (FPCB) manufacturing in China.



This development strengthens the flex and rigid-flex PCB industry segment in the region, addressing reliability challenges while enabling fabricators to meet increasing environmental and safety expectations.

Flex PCB designs continue to move toward thinner constructions, higher circuit density, and more demanding bend requirements. Traditional electroless nickel finishes can expose manufacturers to cracking, copper damage, and open-circuit risks. Fabricators also face growing pressure from customers and regulators to reduce the use of hazardous chemistries and improve EH&S performance.

Affinity Flex was developed specifically to address these challenges. Its advanced electroless nickel technology delivers enhanced flex reliability through a unique columnar grain structure. This provides the performance required for modern flex applications while meeting the Institute for Printed Circuits (IPC) requirements for ENIG finishes. At the same time, compatibility with cyanide-free technology, lower energy consumption and minimized waste generation enable safer, more sustainable production without sacrificing throughput or cost efficiency.

Mr. Lin Denghuan from Shenzhen Moker commented: “For Moker, the introduction of the cyanide-free flexible ENIG process line supports the rapidly growing customer demand in the high-reliability flexible PCB and rigid-flex PCB sectors. The process’s overall performance in solderability, wire-bonding reliability, and process stability makes it highly suitable for end markets

requiring extremely high levels of quality and consistency, including automotive electronics, AI smart devices, telecommunications, and other mission-critical electronic applications.”

Mr. Lin continued, “Our experience working with MacDermid Alpha to establish the Affinity Flex process has been very positive. Their expertise and technical know-how accelerated the setup and helped us overcome technical challenges smoothly. We not only gained a reliable surface finishing process but also strengthened the trust of our customers and end-device manufacturers (OEMs).”

“Cyanide-based gold processes have been a long-standing concern for flex manufacturers balancing performance with EH&S compliance,” said YK Choong, Asia Product Manager for Final Finishes at MacDermid Alpha. “This installation proves that high-reliability ENIG can be achieved without compromising safety, sustainability, or cost of ownership.”

“As we continue to expand our technology leadership in the flex and rigid-flex market, partnerships with valued customers like Shenzhen Moker are essential,” said Dr. Frank Xu, Director, Final Finish Line of Business, at MacDermid Alpha. “Their adoption of Affinity Flex reflects the growing demand for advanced, reliable, and environmentally conscious final finish solutions.”

The installation of Affinity Flex at Shenzhen Moker was successfully completed in October 2025. It incorporates a cyanide-free immersion gold formulation engineered to create a safer working environment for operators while significantly reducing chemical usage and power consumption. The project reflects a shared commitment to advance safer, more sustainable manufacturing practices without compromising performance.

For more information on Affinity Flex visit our website: macdermidalpha.com

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ENDS

MacDermid Alpha Electronics Solutions

MacDermid Alpha Electronics Solutions, a business unit of Element Solutions Inc, is a global leader in high-performance specialty chemicals, materials, and process technologies for every stage of the electronics manufacturing process. With expertise spanning circuitry formation, wafer-level packaging, circuit board assembly, semiconductor assembly, and film and smart surfaces, MacDermid Alpha delivers advanced, sustainable, and integrated solutions that drive innovation and reliability across the electronics supply chain. Operating worldwide and backed by more than a century of innovation, the organization supports a broad range of industries including automotive, consumer electronics, data infrastructure, high-performance computing, and telecommunications enabling next-generation electronics.

About Shenzhen Moker:

Based in Shenzhen Silicon Valley of China, Moker is a market-leading manufacturer of high-technology printed circuit boards. Our products support the needs of customers in the automotive, AI smart device, telecommunication, industrial optic camera, and several high-reliability industrial sectors.

Moker is at the forefront of PCB technology, specialising in:

- Flex-Rigid and Multilayer Rigid PCBs
- High TG, Multilayer, High-Density Interconnect (HDI) Technology
- Advanced Via Technologies including Blind/Buried, Copper Filled, Resin Filled, and Stacked Vias
- Sequential Build-Up techniques

Contacts:

MacDermid Alpha Electronics Solutions

Emma Giles, Strategic Business Partner – Circuitry Solutions & Wafer Level Packaging

Phone: +44 7768644414

MacDermid Alpha Electronics Solutions

Joanna Locke, Public Relations Manager

Office: +44 (0) 1235 773103

PublicRelations@MacDermidAlpha.com

www.macdermidalpha.com