

NovaCentrix Introduces Metalon® HPSC-U Family of Silver-Coated Copper Inks: High Performance at a Fraction of the Cost

AUSTIN, TX, UNITED STATES, October 16, 2025 /EINPresswire.com/ -- [NovaCentrix](#), the global leader in conductive inks and photonic curing technologies, is proud to announce the launch of its new [Metalon® HPSC-U](#) family of silver-coated copper inks, engineered for screen printing and dispensing applications. These advanced inks deliver conductivity comparable to pure silver

formulations while offering significant cost savings — an ideal solution as silver prices continue to rise.

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By combining cost efficiency with high performance, these inks empower manufacturers to scale economically while maintaining superior device reliability.”

*Charles Munson, CEO of
NovaCentrix*

“With the HPSC-U inks, manufacturers no longer need to choose between performance and price,” said Dr. Dave Pope, VP of R&D and Manufacturing at NovaCentrix. “By precisely controlling the silver-to-copper ratio, we’ve created a line that delivers high conductivity, excellent environmental stability, and strong adhesion — all at a substantially lower cost than traditional silver inks.”

High Performance Meets Cost Efficiency

The HPSC-U inks are specifically formulated for screen printing and dispensing processes, offering excellent adhesion, smooth line formation, and robust curing compatibility with both thermal and photonic processes. The silver coating on the copper particles ensures oxidation resistance and long-term electrical stability across a wide range of substrates.

High Value, High Performance

The Metalon® HPSC-U inks combine the electrical performance of silver with the cost efficiency of copper, providing excellent oxidation resistance and durability across flexible and rigid substrates. Designed for both thermal and photonic curing, these inks are production-ready for high-volume applications in printed electronics, sensors, antennas, and interconnects.

Key Features of HPSC-U Inks:

- Economical Pricing – Significantly lower cost than pure silver inks
- High Metal Loading – 87% w/w total metal content for excellent conductivity
- High Conductivity at Low Curing Temperatures – Enables use on heat-sensitive substrates
- Excellent Water and Alcohol Resistance – Reliable performance in harsh environments

- Flexible with Strong Adhesion – Ideal for both flexible and rigid substrates
- Easy Equipment Cleanup – Printing equipment cleans easily with isopropanol
- Solderable – Enables robust electrical and mechanical interconnects

“The HPSC-U family underscores NovaCentrix’s ongoing commitment to innovation and customer value,” said Charles Munson, CEO of NovaCentrix. “By combining cost efficiency with high performance, these inks empower manufacturers to scale economically while maintaining superior device reliability.”

Availability

The [Metalon® HPSC-U Silver-Coated Copper Ink Family](https://novacentrix.com/product/hpsc-u-silver-coated-copper-inks/) is available for purchase at <https://novacentrix.com/product/hpsc-u-silver-coated-copper-inks/>.

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