

For immediate release

Technic Announces the Launch of ASIG ESM 100 Autocatalytic Silver Immersion Gold

Cranston, Rhode Island, USA – Technic announces the release of the ASIG ESM 100 process, an Autocatalytic Silver Immersion Gold (ASIG) technology developed for PCB surface finishing. This process is designed to address the needs of high-performance electronics, particularly in 5G applications.

ASIG provides several improvements over traditional immersion silver techniques. It supports frequencies up to 300 GHz with high conductivity, and its surface sealing helps prevent copper diffusion, reducing the risk of creep corrosion. Additionally, an immersion gold layer can be applied for added protection, similar to the shielding provided in ENIG (Electroless Nickel Immersion Gold) processes. This added gold layer is especially beneficial in harsh environments and applications where no solder mask is used.

The ASIG process offers strong RF properties, is nickel-free, and works well for wire bonding and soldering. It has been optimized for use across the 5G spectrum and provides enhanced corrosion resistance. Its cost-effectiveness makes it suitable for a wide range of manufacturing environments.

ASIG ESM 100 is designed to offer long-term reliability, simplified operation, and a stable process, with features such as automatic additions and analysis. Its compatibility with Automated Optical Inspection (AOI) systems and its low signal loss are additional advantages for manufacturers focused on high-performance PCBs.

Overall, the ASIG ESM 100 process provides a reliable, cost-effective solution for demanding PCB applications, including those operating in the 5G spectrum.

For information on Technic & Technic products go to: www.technic.com or contact Technic at (401) 781-6100.



About Technic: For over 75 years, Technic has been a global supplier of specialty chemicals, custom finishing equipment, engineered powders, and analytical control systems to the semiconductor, electronic component, printed circuit board, industrial finishing, and decorative industries. Technic is also a major supplier of engineered metal powders to the solar industry.

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