

New Nickel Eliminates Boric Acid Toxicity Concerns in Semiconductor Manufacturing

Elevate Ni 5950 – A Boric Acid Free Alternative

In response to concerns in the semiconductor industry over reports on boric acid effects on human reproduction, Technic has developed a nickel plating process free of boric acid. Elevate Ni 5950 eliminates concerns related to toxicity by offering a nickel deposit that is equal or better than a standard boric acid nickel sulfamate bath.

Technic's Elevate Ni 5950 is capable of running at a wide current density range of 1–10 ASD. Deposit properties such as stress, ductility, tensile strength, elongation, grain structure and corrosion resistance are all very similar to a standard nickel solution.

Elevate Ni 5950 can be easily installed on existing nickel plating tools without any modifications to the plating cell. The process is currently being beta site tested and is available for demos in our Applications Laboratory or beta site testing at the manufacturer's facility.

[Contact us about Ni 5950](#)

About Technic

Technic Inc. is a Rhode Island based, privately held corporation with over 900 employees worldwide. For 70 years, Technic has been a global supplier of specialty chemicals, custom finishing equipment, engineered powders, and analytical control systems to the electronic component, printed circuit board, semiconductor, industrial finishing and decorative industries. Technic is also a major supplier of engineered metal powders to the solar industry.

Learn more at www.technic.com or contact us at (401) 781-6100.

