



# NEW COPPER PLATING LINE

*FULLY AUTOMATED PROCESS DESIGNED FOR HEAT TREAT STOP-OFF*

## NEW PROCESS INTEGRATION

A copper plating line has just been installed at Nitrex - Nevada Operations in response to customer's clamor for an in-house solution to copper plating stop-off that effectively masks against heat treatment and precisely strips it thereafter. The system is designed to meet NADCAP copper plating requirements including AMS, ASTM and MIL specifications. Nitrex has developed methods to successfully mask, plate, heat treat and strip to meet the most demanding tolerances without the logistical nightmare.

## BENEFITS

### *Equipment & Processes*

The fully automated system, including a robotic hoist, is controlled by a scheduling software that guarantees consistent quality of plated products. Stripping is included in the automation for reliable results, as well as a water-break test station to check cleanliness. The process utilizes high alkaline cyanide copper plating baths that provide great throwing power for complex geometries and is suitable for a wide range of alloys including stainless steels.

## ENVIRONMENTALLY RESPONSIBLE

### *Waste Management*

The world-class equipment is housed in its own facility and complies with all EPA and local requirements. Waste management was carefully designed to match the chemistry and features redundancies for effective pollution control.



*New facility and equipment designed specifically for copper plating stop-off*



*Scheduling software with automated controls*



*Fully-integrated waste management system*



*AMS 2418 Type 2 copper plating stop-off on part*

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