



PLATING RESEARCH FACILITY

Purpose:

To provide technical plating support, problem resolution, and alloy process development to Shuttle, International Space Station, payload projects, and to the Space Optics Manufacturing Center.

The Precision Plating Facility provides plating solutions in support of Center payloads, projects and Shuttle requirements. The Precision Plating Facility currently has capabilities for nickel, low stress nickel, “bright” nickel, and “bright” copper alloys electrolytic and electroless nickel-phosphorus plating. Future coating options include electrolytic copper and electroless nickel boron. Problem resolution in all facets of pretreatment, surface preparation, plating, and post heat treatment is accomplished with resident technical support, process analysis, and detailed procedure review. Personnel supporting the Precision Plating Facility work with scientists and engineers to provide either a standard coating for their articles or in attempting to develop a process and alloy to meet their needs. The Space Optics Manufacturing Center is supported by providing on their mandrels, a high nickel-phosphorus alloy which may be diamond turned and polished.



POINT-OF-CONTACT:

NanceJo Ogozalek / ED33
(256) 544-8933
nancejo.ogozalek@msfc.nasa.gov