

MEDICAL SOLUTIONS

Surface Engineering Solutions for the Healthcare Market

Medical applications demand the highest quality precision parts. And precision parts require superior, defect-free surface finishes and coatings. Our solutions meet the demands of modern medical requirements - high quality, robust coatings that withstand repeated use, sterilization and rigorous testing without degradation. As a partner in your design process, we can deliver solutions for complex components that often require detailed masking procedures and advanced surface coating techniques.

Experience and Performance; Since 1960

Anoplate services a wide range of suppliers to the medical industry. Our customers rely on our expertise and processes to ensure their products meet the stringent demands of the medical professionals and patients that use them. Coatings supplied by Anoplate for preventing corrosion, minimizing light reflection, reducing friction, improving wear resistance and for smooth, uniform external appearance are found extensively on a variety of products including:

- Surgical Instruments
- Orthopedic Implants
- External Fixation Devices
- Optical Apparatuses
- Hand-Held Diagnostic Instruments
- Electronics & Instrumentation
- Dental Tools & Equipment
- Fasteners & Connectors

Cutting-Edge Processes

The choice of finish is often dictated by the substrate material, the intended use of the product, and the particular functional performance that is required of the coating.

Our Popular Medical Solutions Include:

- Electropolish & passivation of stainless steel
- Blackening processes featuring our AnoBlack™ family of coatings
- Aluminum & titanium anodizing
- Electroless nickel (EN) and EN with co-deposited PTFE
- Electroplating of silver, gold & other metals for electronics & connectors
- Fade-resistant, 2-step blackening of aluminum that withstands aggressive sterilization & cleaning

Surface finishing for medical applications – like that for defense, aerospace, electronics or other high-tech industries requires the technology and know-how to solve demanding challenges consistently. As an ISO registered firm, we routinely adhere to strict lot control and process traceability requirements often required in the medical field. When you put your trust in us, rest assured we have the resources and processes in place to handle your critical surface engineering requirements.



- Serving North America Since 1960
- Full service engineering staff providing design and application support
- Over 220 employees operating in over 104,000 square feet
- Extensive corporate approvals and certifications

Since 1960, Anoplate Corporation has provided industry-leading metal finishing services to a wide range of industries. We've developed a wealth of plating experience and know-how, and we've proven our value as a highly skilled, diversified surface finishing resource.

Markets We Serve

- Aerospace
- Medical
- Communications
- Transportation
- Defense
- Optics
- Electronics and Computer
- Precision Machining
- Manufacturing

Innovative engineering and flexible production setups allow Anoplate to offer processes that are unique and customized to your exact needs. As a partner in your design process, we understand the important aspects of surface engineering as it relates to corrosion resistance, wear resistance, reducing friction, light reflection, and joinability. Whether your plating requirements are routine or complex, require dedicated masking fixtures or multiple coatings, our Engineering and Quality staff will devise a processing strategy to ensure quality results.

Complete Range of Processes

- Anodizing
- Black Chrome
- Black Nickel
- Black Oxide
- Cadmium
- Chromating
- Chrome
- Copper
- Dry Film Lubricants
- Electroless Nickel
- Electropolishing
- EN/PTFE Coatings
- Gold
- Hardcoat Anodizing
- Magnesium Treatments
- Nickel
- Passivating
- Phosphating
- Silver
- Tin
- Tin / Lead
- Titanium Anodizing
- Vacuum Impregnation
- Zinc
- Zinc - Iron



Quality

Anoplate is committed to quality. As an ISO 9001 registered firm, we have the processes and procedures in place to assure continuous, repeatable quality. Our 220+ personnel combine decades of industrial finishing expertise. We stand behind the quality of our work which gives you peace of mind that you have selected the right vendor for your metal finishing needs.



Environment

An internationally accredited ISO 14001 firm, Anoplate is recognized as upholding the highest standards of environmental responsibility. Anoplate has made major investments in its environmental management system including RoHS, WEEE, and ELV-compliant processes free from lead, cadmium and hexavalent chromium. The company maintains control of emissions to air, land and water to comply with all regulatory requirements, and we're continually looking for new ways to minimize the impact on our fragile earth. This environmental integrity assures reliable, uninterrupted production using environmentally responsible processing.