

AnoPolish

Electropolishing technology for use in a wide range of industrial and consumer products.

AnoPolish offers maximum corrosion resistance in the processing of stainless steel. The AnoPolish process removes impurities embedded during manufacturing and subsequent machining and handling. It also removes burrs, nicks, and most other surface imperfections.

In addition, AnoPolish passivates the surfaces of the metals it affects. It's the most effective commercial method for passivating stainless steel. Tools steels processed with the AnoPolish method offer greatly enhanced protection from corrosion and tarnishing. The same is true for copper, brass, and aluminum.

Mechanical methods of polishing — such as grinding, blasting, and other abrasive measures — may be required when the surface of the part is grossly rough or damaged and when a significant thickness needs to be removed. Even then, however, AnoPolish may be preferred as the final polishing procedure.



■ These "before-and-after" parts were processed in Anoplate's Electropolish Department, which features both 300-gallon and 500-gallon tank capacities.

How Does AnoPolish Work?

AnoPolish levels peaks and other irregularities in the existing surface without sacrificing the grain structure of the metal. On parts where close tolerances are critical, masking will prevent dimensional loss in the selected, masked areas.

Though AnoPolish is used on parts of all sizes and types, it is particularly well suited to fragile and intricate parts.

AnoPolish Advantages

- Prevents directional lines, even the smallest.
- Offers excellent reflectance and depth clarity.
- Deburrs at the same time it polishes.
- Provides a low-resistance surface for welding.
- Offers uniform luster on parts of all shapes.
- Polishes areas that are inaccessible to other methods.
- More economical than hand buffing.
- Improves surfaces for work-loading, such as gears.
- Increases magnetism in magnetic parts by roughly 20%.
- Reveals flaws that would otherwise go undetected.
- Higher fatigue strength can be restored with uniform particle-blasting of the surface. (Re-introduces compressive stress without losing the advantages of electropolishing.)

Learn more about Anoplate at <http://www.anoplate.com>