

# TO ELECTROPOLISH OR NOT TO ELECTROPOLISH

Extend Lifecycle and Improve Performance for Parts & Components with One Single Process



Electropolishing is a "reverse plating" process that electrochemically removes the exterior layer of metal, effectively stripping away common surface defects.

The electropolishing difference on metal parts and assemblies:

## Non - Electropolished



Surface imperfections which may cause retention of moisture and higher susceptibility to **corrosion**

Surface contaminants that can lead to **harboring of bacteria**

Microscopic cracks, which may cause parts to **break, bend, warp, and deteriorate** more quickly

**Discoloration** that makes parts or components appear to be contaminated or not sanitary

Uneven surface, causing **potential malfunction** of part in machines or assemblies

**Burrs** present that may become dislodged and cause **equipment failure** or **product contamination**



## Electropolished



Smooth surface, for **improved corrosion resistance**

**Ultraclean finish** for a surface free of debris and contaminants, leaving less chance for bacteria to gather and grow

**Burr removal** without part distortion

Effective **removal of heat tint and oxide scale** left over from heat treating and welding

**Uniform color and shine** for increased aesthetic appeal

**Microfinish improvement** - with .001" removal, microfinish can be improved by as much as 50%

Improved performance and **longer life cycles**

Electropolishing – A Long-Lasting and Cost-Effective Solution to Many of Your Metal Surface Problems



Since 1954, Able Electropolishing has been an industry pioneer providing electropolishing, passivation, titanium anodizing and laser marking services for clients around the world.