

Electropolishing Services



Electropolishing is a very smooth and uniform finish on stainless material. Our in-house electropolishing services provide Contract Manufacturing customers with:

- Ease of sterilization
- Improved cleaning properties
- Corrosion resistance
- A mirror finish look

Sterilization

Electropolishing improves the clean ability of stainless material by eliminating surface pits and crevices where microorganisms normally reside.

Cleaning

Electropolishing provides exceptional release properties. Electropolished surfaces have the highest resistance to bacterial attachment.

FEDERAL SPEC BP-912

Corrosion Resistance

Electropolishing dramatically enhances the material's corrosion resistance based on the formation of a layer of protective surface oxide that is rich in chromium.

Mirror Finish

Several customers come to Apache to finish their products and parts that require the smooth mirror like finish.

Capabilities

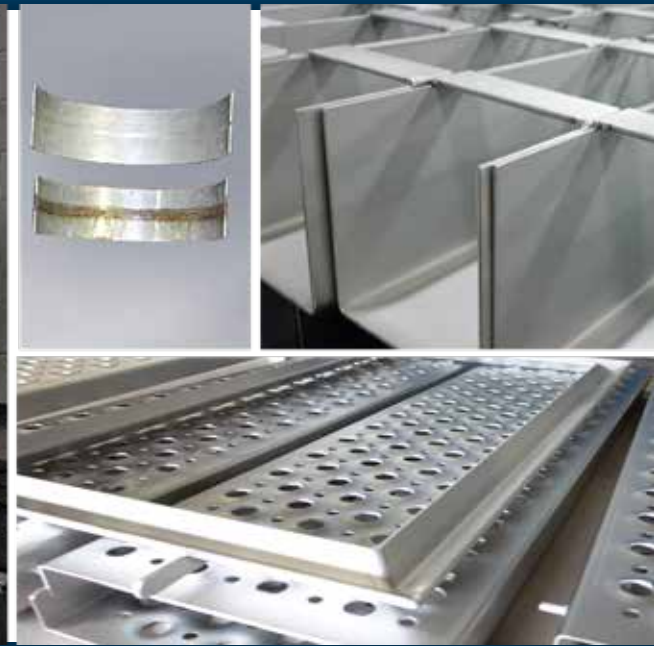
Apache's tank size is 88"WD x 70"LG x 65"DP. We also have the ability to build fixtures and electropolish much larger components.



Contact David Foulkes at:
Office: 920.356.7345
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Ask for our white paper,
"How to Leverage Stainless Finishes"

Passivation Services



Pickle Passivation is the immersion of metal in a pickling bath or coating with nitric-hydrofluoric acid. Pickle passivated stainless material has a light matte appearance. Customers use Apache's in house passivation services for:

- Ease of sterilization
- Corrosion resistance

Sterilization

Pickling passivation improves the cleanability of stainless material by removing excess iron contamination from the material and creating a smoother surface for sanitation.

Corrosion Resistance

The pickle passivation process removes metallic contamination and heat-treating scales which provides excellent corrosion resistance in wet, outdoor or extreme sanitation environments.

Capabilities

Apache has a very large passivation tank that is 64"WD x 7' DP x 20' LG. Larger pieces are possible with double dipping or a gel application.

Samples of various stainless finishes are available upon request as well as small sample testing.

FEDERAL SPECS A-380 & A-967

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