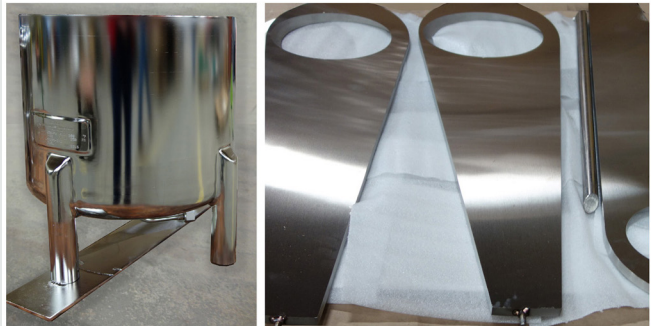
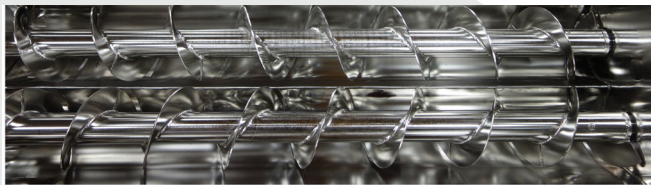




**APACHE**  
STAINLESS EQUIPMENT  
CORPORATION

# 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 sizes:

10,000 AMP Rectifier - 174" W x 70" L x 66" D

10,000 AMP Rectifier - 88" W x 70" L x 65" D

2,000 AMP Rectifier

## **Contact**

David Foulkes

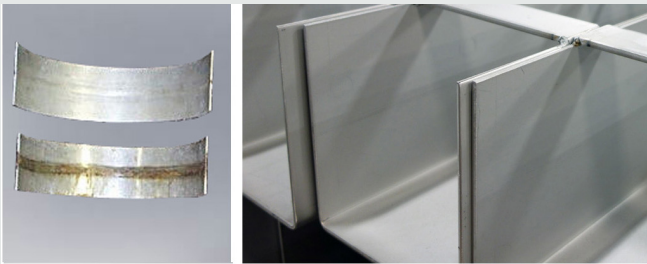
920.356.7345

david.foulkes@apachestainless.com



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# PASSIVATION SERVICES



## Contact

David Foulkes  
920.356.7345

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**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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