

Able Electropolishing Co., Inc. 2001 S Kilbourn Ave Chicago IL 60623

Phone: 773-277-1600

#1082 Corrosion Resistance/ Brite Ultraclean

Industry: Food/Beverage

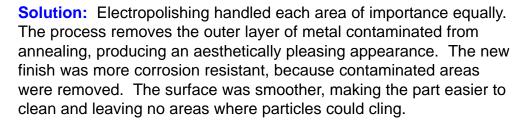
Mfg/Method: Tube forming, annealing

Alloy: 321 stainless steel

Problem: This part is used in food service and comes in contact with food products. The customer was looking to improve appearance, cleanability and durability. The part is annealed and the heat from that process caused a black oxide to form on the surface.

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The part during use, is immersed in vegetable oil, and then cleaned using harsh chemicals.





Before

critical fitting that is masked during process.

Enlarged view of





After Electropolishing

Note to Engineer: A considerable side benefit of an electropolished surface is its resistance to adhesion of food, chemical or dry product. When the surface metal is removed, there are fewer pores and reduced microscopic peaks and valleys. As a result, there is less adhesion of oils, dry powders or food products, making cleaning of electropolished stainless faster and more productive. The application areas in the food, pharmaceutical and other areas are numerous.