



Able Electropolishing Co., Inc.

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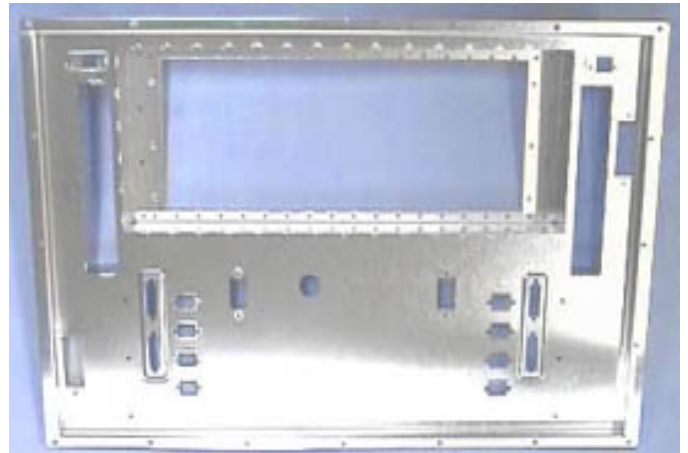
#1071 Brite Ultracleaning/ Brite Passivation

Industry: Electronics/communications

Mfg/Method: Forming and welding

Alloy: 430 Stainless Steel

Problem: The part is similar to panels used in computer hardware applications. Consequently, the part needs to have clean surfaces, free of any contaminants. In addition, the components needed to maintain a corrosion free surface for the life of the final assembly. The customer found that passivation was not giving them the best results. Additionally, the fabrication process left weld discoloration that was not aesthetically pleasing.



Solution: Able Electropolishing first carefully pre-cleaned the parts to remove a protective plastic coating and related adhesive. The parts were electropolished to meet decorative, corrosion resistance and cleanliness standards. After processing, the parts were handled with lint free gloves to prevent finger prints and the associated surface contamination. In order to avoid part damage, special packaging was engineered for the final product.

Note to engineer: *Plastic coated stainless steel is commonly used on expensive formed and welded assemblies to reduce finishing costs. While plastic can be peeled prior to electropolishing, the clear and often invisible adhesives can create some serious finishing problems if not addressed properly. If you plan to include plastic coated material in you design, contact our staff for ideas to save time and money.*