



Able Electropolishing Co.
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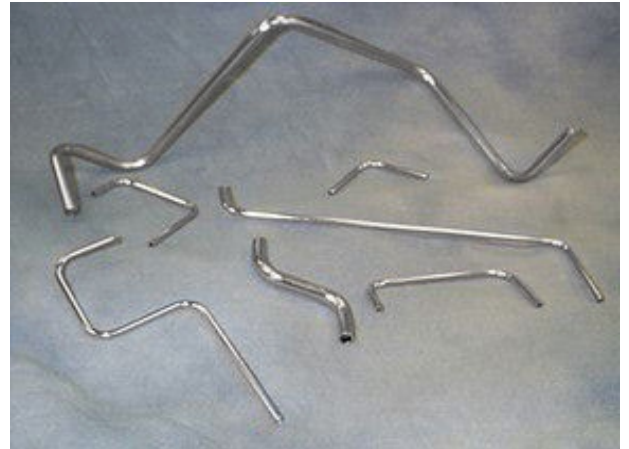
#1011 - Brite Passivation/Brite Ultraclean

Industry: Manufacturers of hazardous gas analyzers.

Mfg Method: Formed Tubes

Alloy: 316 stainless steel

Problem: Our customer requires the cleanest surface possible. The 'formed tubes' are part of an instrument, which detects volatile and hazardous gasses. The instrument is for military readiness, detecting hazardous gasses in advance of a chemical attack. The location of this instrument is an open-air oceanic environment.



Solution: Our customer began by electropolishing a group of samples. By removing a controlled amount of metal from the surface, all oxides and imbedded impurities were removed. Able Electropolishing was called upon to provide a clean and bright finish. The outside surfaces are electropolished while the inside surfaces are fully passivated. Since there are no coatings to chip or peel, the bright finish will last for years, even in an oceanic environment.