

Chemical Processing - NADCAP Accredited

The Nadcap-accredited chemical-processing services at Applus+ include citric-acid passivation, copper-sulphate tests, nitric-acid passivation and pre-penetrant etching.

Nitric-acid passivation is a crucial process made post-fabrication to improve the corrosion resistance of a material, such as stainless steel. Pre-penetrant etching, also known as 'material smearing', refers to a non-destructive examination (NDE) process that lightly removes a very fine layer of the material to allow for inspection.



THE Applus+ SOLUTION

Supporting the Aerospace sector, Applus+ offers a wide variety of acid-etch inspection, cleaning and chemical processes that are controlled under our AS9100 and Nadcap certifications. Our services include ultrasonic cleaning, vapor degreasing, nitric-acid passivation, citric-acid passivation, pre-penetrant etching, humidity testing and copper-sulphate tests. Our clean, efficient facility is designed specifically for NDE on components manufactured to satisfy aerospace quality management systems.

Target customers

Nadcap accreditation is a prerequisite for delivering certified chemical-processing services, including citric-acid passivation, copper-sulphate testing, nitric-acid passivation and pre-penetrant etching on aerospace components.

Key customer benefits



Applus+ has the capability and qualifications to perform certified chemical-processing along with its Nadcap-accredited NDT services, and our complete service offer helps clients to choose one service partner to improve production efficiencies and cost effectiveness.