

CHEMICAL PROCESSING - THE SCIENCE AND ENGINEERING OF ANODIZING

ABOUT THE COURSE

The two-day Science and Engineering of Anodizing course helps attendees understand the science and engineering of chemical processes used to modify and enhance surface properties & performance. After a review of electrochemical terminology and the fundamentals of anodizing, the Instructor covers:

Details on different types of Anodizing: Chromic Acid Anodizing, Sulfuric Acid Anodizing, and Hard Anodizing.

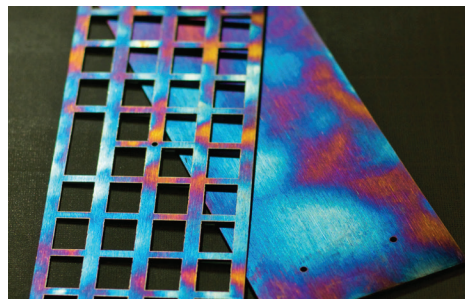
Tooling/Racking & Masking with part specific racks & use of generic racks; number and position of contact points; issues relating to pre-treatment; and others.

Pre-treatment via the need for cleaning; benefits of combining acid & alkaline; pre-cleaning; check for cleanliness; and more.

Conversion Coating with types 1 & 3 differences & functions; need for deoxidizing prior to chromating; controlling chromating process time; protection of non chromated areas.

Stripping of chromating and of anodizing results; impact on size, roughness, fatigue, etc; suitable solutions.

Acceptance and Periodic Testing and Solution Control touching on the need for detailed procedures; test methods and their significance; qualified personnel and analytical procedures; the importance of analysis frequency; among others.



"GREAT INTRODUCTION TO ANODIZING IN RELATION TO AEROSPACE AND INDUSTRIAL APPLICATION."

Course Objectives

- Provide knowledge of the anodizing process and the important differences between chromating, anodizing and plating
- Facilitate the understanding of preparation, processing and stripping of chromating
- Ensure an understanding of key lot and periodic tests

Who should attend?

- Individuals who want to understand the science and engineering of the chemical processing anodizing process used to modify and enhance surface properties and performance

Next Steps

- Go to www.PRI-Training.com
- Email PRI-Training@p-r-i.org
- Call +1 724 772 8645 (Americas), +44 870 350 5011 (Europe) or +86 10 6461 9807 (Asia)