

IrOxide™TCA Anodes for Tri-Chrome Plating

Optimum Anode Technologies is recognized as a reliable quality supplier of dimensionally stable anodes with superior lead times and is a business affiliate of Titan Metal Fabricators. Optimum Anode Technologies combines the excellent reputation and manufacturing know-how of Titan Metal Fabricators, a leading supplier of titanium and other exotic metal fabrication, with the industry experience of Optimum Anode Technologies' management in the manufacturing of dimensionally stable anode coatings. Our industry experts have more than 25 years of experience in anode technology, manufacturing and market expertise in supplying cost effective products that meet or exceed our customers' dimensionally stable anode needs.



Technical Attributes

IrOxide™TCA coated titanium anodes are proven to be the most cost-effective solution for tri-chrome plating. They provide an anode solution that is both environmentally and technically sound, thereby allowing your operators to focus on providing your customers the goods and services they desire in the most timely manner and at the lowest cost.

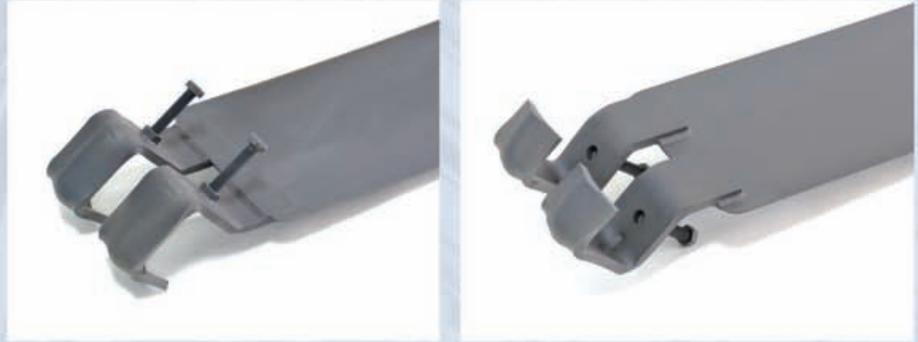
IrOxide™TCA anodes are a simple, easy-to-use and cost-effective alternative to lead anode systems, which require a semi-permeable membrane to prevent the buildup of hexavalent chrome as well as continual maintenance and additional, costly waste treatment. They also eliminate any chance of cross-contamination in your plating tank. Cross-contamination can occur with lead anode systems if the membrane fails or the anolyte level in the lead anode system breaches containment of the anode compartment.

IrOxide™TCA anodes are fabricated from commercially pure titanium to any size your application requires. For our new customers we offer our expertise in anode design to ensure that our anodes meet both the electrical and mechanical needs of their specific application in the most cost-effective manner. The most common size is 6" wide x desired length with two ¼" thick x 2" wide hooks x 4" long.

IrOxide™ TCA Anodes for Tri-Chrome Plating



Each hook is designed with a titanium hex nut welded to the back side of the hook and a 1-½" long hex bolt to ensure a strong, secure contact to the anode bar (as depicted in the photographs below).



The Optimum Anode Technologies IrOxide™ TCA coated titanium anode offers optimum performance with its *maintenance-free* trivalent chrome bath anodes typically providing up to two years' life between recoats. The entire anode is coated with Optimum Anodes IrOxide™ TCA coating, which protects and produces optimum efficiency in throwing power to your tri-chrome bath, and ensures there will be no undesired generation of hex-chrome at the anode surface.

Features	Benefits
Dimensionally Stable	Eliminates a source of impurities, no sludge to treat, improves product quality and lowers maintenance cost
Electrochemical Selectivity	Eliminates hexavalent chrome build-up due to anodic oxidation and lower power consumption
18-24 months' coating life	Higher productivity, lower operating cost, reduced handling and easy recoats
20-30 year substrate life	Reduces replacement cost
Lightweight	Easy to remove and replace
Non-toxic	Eliminates environmental liabilities related to the anodes

The commitment of Optimum Anode Technologies' management is to provide our customers a quality product in a timely manner that meets or exceeds their technical and operational needs. We continually apply our unique fact finding and discovery consultative selling process to provide the most cost-effective solution for our customers.



Optimum Anode Technologies, Inc.
352 Balboa Circle, Camarillo, CA 93012
Phone: 805-437-7435 • Fax: 805-484-5880
www.optimumanodes.com

All information and statements contained herein are believed to be accurate, but Optimum Anode Technologies makes no warranty with respect thereto, including but not limited to any results to be obtained or the infringement of any proprietary right. Use of application of such information or statements is at user's sole discretion, without any liability on the part of Optimum Anode Technologies. Nothing herein shall be construed as a license of or recommendation for use which infringes any proprietary right. All sales are subject to Optimum Anode Technologies' Standard Terms of Sale.

© Copyright 2012 Optimum Anode Technologies, Inc.

OAT-3019-R1