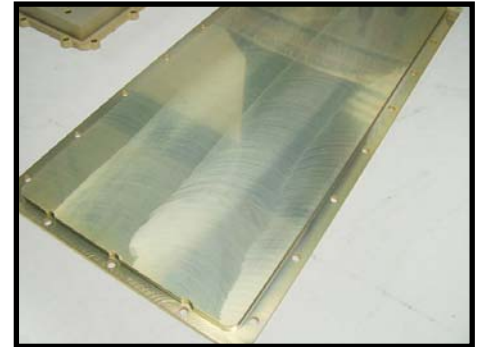
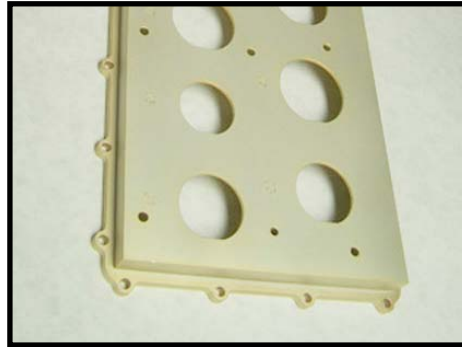
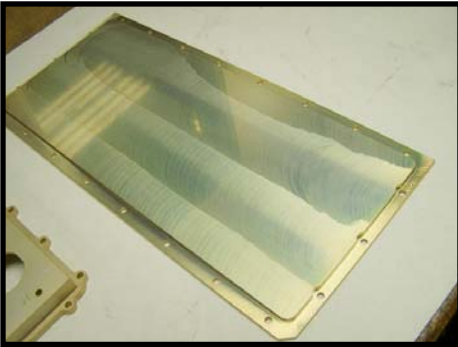




ALUMINUM CONVERSION COATINGS



Aluminum Conversion Coatings

IFT offers conversion coating services using Alodine®, Metalast®, and Iridite® brands of chromium conversion coating chemicals, along with non-chrome and titanium-based coatings. Our coatings are used across an array of industries for corrosion resistance, paint adhesion, and electrical resistance. Our utilization of a variety of application methods allows us the ability to coat both small pieces and large parts in clear, light iridescent, yellow, or dark gold pigments.

Additionally, IFT offers environmentally friendly chromium-free conversion coating, known as Alodine 5200. We have one of the largest installations in the United States for applying this coating, which can be used to replace hexavalent chromium for aluminum.

Advantages of IFT's Conversion Coatings

- Awarded preferred supplier status with many industry leading companies
- IFT is a leading authority in conversion coatings
- Superior process controls
- IFT uses only quality certified chemistry
- More consistent standardization of formulation
- Superior accuracy, typically exceeds industry standards
- Environmentally responsible company
- "Soft touch" part handling
- Strategic alignments with world-class chemistry suppliers and technical resources
- Greater performance with better value, at a competitive cost
- Many additional, supporting processes for a one-stop source
- In house testing lab

IFT's Aluminum Conversion Coatings

Iridite

Alodine

Metalast TCP

Alodine 5200

Iridite 14-2

Trivalent Chrome

Hexavalent Chrome

Non-chrome

Titanium Based

Example of IFT's Customer Solutions

IFT was contracted by the U.S. Military to apply a pre-treatment to military vehicle armor. This project required a coating that was environmentally friendly as well as one that provided a strong base for paint bonding. This Alodine 5200 titanium-based conversion coating was chromate free, making it a next-generation green coating that reduces the risk of health issues, and was a suitable product to use prior to application of a chemical agent resistant coating paint system. To meet the needs of this client, we built a facility to accommodate the newest green technologies that meet MIL-C-5541 Type II Class 3 requirements. We support the U.S. Military and tier 1 suppliers with this coating process on aluminum and other light metal alloy components. Our quality controls include coating weight testing, adhesion testing, and 240 hour salt spray testing of painted test coupons to ensure that all components meet our high standards. We also work to tight tolerances of .0001".

CONVERSION COATING CAPABILITIES:

Chemical Conversion Coatings	Processing Methods
Iridite	Rack
Alodine	Barrel
Metalast TCP	Masking
Alodine 5200	Application Methods
Iridite 14-2	Dip
Trivalent Chrome	Brush
Hexavalent Chrome	Swab
Non-chrome	Spray
Titanium Based	Immersion
Brand Names We Carry	Testing Services
Alodine®	Coating Weight
Metalast®	Salt Spray
Iridite®	Primer Adhesion
	Electrical Resistance
Colors Available	Production Volume
Clear	Small precision orders
Light Iridescent	Prototypes
Yellow	High Volume Production
Dark Gold	
Substrates	Lead Times
Aluminum Alloys	Short Lead Times Typical
Some Copper Alloys	Expediting Available
Properties	Customer Support
Corrosion Resistance	Manage Customers' Patented Processes
Paint Adhesion	Provide Exclusive Production Work Centers
Electrical properties	

IFT's Industry Certifications

Registered small business
 ITAR Registered
 ROHS Compliant
 NADCAP Accredited
 TS-16949 Registered
 AS-9100 Registered
 ISO-9002 Registered
 ISO-14001 Registered

IFT's Industry Specifications

Some of our 1400+ specs
 MIL-C-5541
 MIL-DTL-5541
 Class 1A and 3
 MIL-STD-171
 MIL-S-5002
 ASTM B921
 AMS 2473

IFT's Prime Customers

Boeing
 Lockheed Martin
 Space X
 BAE
 Caterpillar
 General Dynamics
 Rock Island Arsenal
 NASA
 Honeywell
 Remington
 Borg-Warner
 Raytheon
 Federal Mogul
 Cooper Bussman

IFT's Services & Capabilities

Electroless Nickel Plating
 Dry Film Lubricant Coatings
 Phosphate Coating Services
 Non-Destructive Testing Services
 Passivation Services
 Conversion Coating Services
 Type II Class I Anodizing
 Painting and Special Coatings
 Media Blasting

Expanding Capabilities:

IFT frequently works with our customers to add to our capabilities to meet their needs. Our flexibility has allowed us to add processes to our offerings, increase the capacity of our lines for both physically larger parts and larger volume orders, as well as developing entirely new processes to solve the challenging issues our customers face. If you are struggling to find a dynamic growth company with a solution to a problem with part wear or corrosion,

Call IFT Today.



**“Improving lives
 by improving
 products.”**

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