



**NIMET**  
INDUSTRIES, INC.

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# Nimet Engineering Guide

For Nimet branded products:

Nituff® and Hardcoat Anodize Coatings

NiCoTef® and Electroless Nickel Coatings

Silitef®, Hardex®, and Tufnic® Coatings

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## Coatings & Services Offered by Nimet Industries

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### Coatings-Conversion

- Nituff®  
Our proprietary coating which provides a very hard, self-lubricating, highly corrosion-resistant coating for aluminum.
- Hard Anodizing  
This coating provides an extra-hard, wear-resistant surface for aluminum. The coating is applied to customer's specifications or aerospace standards by utilizing the latest technology and over 30 years of experience.
- Sulfuric Anodizing  
Also referred to as clear anodize, Type II anodize, or if dyed black, as Black Anodize. This coating is used primarily for decorative or protective purposes on aluminum.
- Chromate Conversion  
Also known as chemical film, Alodine® or Iridite®. This protective coating offers minor corrosion protection or is used as a base coating (or primer) for paints or adhesion.

### Coatings-Plated

- NiCoTef®  
Our advanced proprietary coating which co-deposits PTFE throughout a nickel-phosphorus matrix for excellent corrosion protection and dry lubrication. This coating yields uniform coating thickness for close design tolerances and can be applied to most metals.
- Electroless Nickel  
This coating provides excellent corrosion protection and abrasion resistance for a wide range of metal substrates. The coating is applied to customer's specifications or aerospace standards by utilizing the latest technology.
- Silitef®  
This coating provides excellent lubricated corrosion protection and abrasion resistance for a wide range of metal substrates.
- Hardex®  
This coating provides superior corrosion protection and abrasion resistance for a wide range of metal substrates.

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## Coatings & Services Offered by Nimet Industries

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- Tufnic®

This coating provides superior corrosion protection and abrasion resistance for a wide range of metal substrates.

### Coatings-Application

- Solid Film Lubricant

This is a good coating for bearing surfaces under heavy loads requiring lasting lubrication without oils or greases. A variety of coatings are available.

### Services

- Quality

All work is processed to a specification: your company's, your customer's, an aerospace specification, or the Nituff® (or NiCoTef®) specification. Critical dimensions are inspected before, during and after processing. We use a full range of precision gages which are calibrated monthly and traceable to N.B.S.

- Quick Turnaround

Normal turnaround time is 5 to 7 working days after parts are received. Nimet provides an expedited service for emergency situations and can make provisions for partial shipments if large lots or extensive processing requirements do not allow for timely shipment of the entire lot.

- Quick Quotes

Mail, fax, or E-mail a copy of your drawings and we will call you with an estimate. Then, we will follow up with a formal quotation by mail or fax.

- Engineering Assistance

We can offer assistance regarding coating alternatives for your application. To help in your evaluation, we provide prototype processing at a nominal fee. If one of our coatings is not the best solution to your performance problem, we will refer you to someone who can provide what you require. We will also gladly screen advance drawings to ensure that they include sufficient coating information to promote consistent and repeatable processing and performance.



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## Coatings & Services Offered by Nimet Industries

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- Sourcing  
Nimet sees a variety of parts fabricated by hundreds of machining businesses. Consequently, we can often be of some help when you are looking for someone with a unique capability. We can either source the work for you, or refer you to a suitable vendor.
  
  - Customer Service  
Customer service is everyone's job at Nimet Industries. Let us know how we can be of assistance.