

## Other Techmetals Approved Industry Specifications

### Other

MIL-STD-186  
MIL-STD-171  
MPR 1059 Navy  
NAVAIR/NAVSEA/  
NAWCAD  
Nickel PTFE, Diamond Coatings,  
OptaKcoat, Hard Chrome,  
Replacements & more

### Testing

NDT Mag Particle  
Adhesion Scratch & Chisel  
Corrosion/Salt Spray  
& Porosity  
B12 Adhesion Bend  
Thickness & Magnetic  
Eddy Current  
XRF Micro-hardness  
Water Immersion Bond  
Strength-tape  
Metallography &  
Microstructure

### Engineering

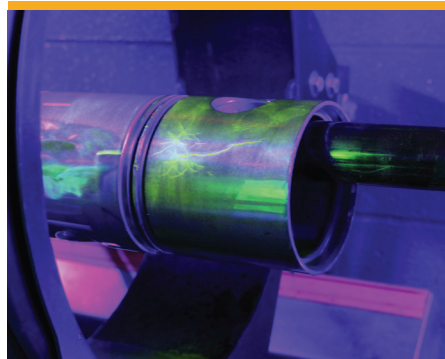
(937) 253-5311 ext. 1207  
engineering@techmetals.com

### Quoting/Sales

(937) 253-5311 ext. 13  
quoting@techmetals.com

### Quality

(937) 253-5311 ext. 1263  
qualitydist@techmetals.com



*In-house Nondestructive Testing  
Automated Lines, Certified Processes*



### Research & Development

(937) 253-5311 ext. 1273  
RandD@techmetals.com



**ACCREDITED**  
Chemical Processing



**ACCREDITED**  
Coatings



**ACCREDITED**  
NonDestructive Testing



ISO 13485:2016 · ISO 9001:2015

FAA Part 145 Repair Station

Plating Support · ATF-FFL 7 & 10

**(937) 253-5311**  
**www.techmetals.com**



## Aerospace Metal Plating & Finishing Solutions

172,000 Sq. Ft. Campus | Up to 20-Ton Capacities

Techmetals, Inc. has been instrumental in helping some of the most recognizable names in Aerospace with high-quality and dependable metal plating solutions. We work closely with each of our clients to develop unique finishing procedures for **commercial and military aircraft, helicopters and even spacecraft.**

We assist both **OEM component and MRO facilities** as a "one stop shop" for metal plating and anodizing – providing numerous processes in house. In turn, this helps you save time and money with a single point of contact for all your metal plating needs.

With the reputation as an industry leader, Techmetals we pride ourselves in quality through our certifications with some of the most stringent testing facilities around, such as **Nadcap Chemical Processing, Nadcap Coatings, Nadcap Nondestructive Testing** and **AS9100D** to name a few. We proudly are recognized as an **FAA Repair Station** and able to handle the most flight-critical components available.

### Turn to Techmetals for Finishing Services Such as:

- |                           |                        |                        |
|---------------------------|------------------------|------------------------|
| ■ Anodized Aluminum       | ■ Electropolish        | ■ OPTAKOAT®            |
| ■ Anodized Titanium       | ■ Gold                 | ■ Optical Coatings     |
| ■ Brush Plating           | ■ Grinding, ID & OD    | ■ Passivation          |
| ■ Cadmium Plating         | ■ Grinding, Centerless | ■ PVD (DLC, TiN, etc.) |
| ■ Chemfilm                | ■ Laser Etching        | ■ Silver Plating       |
| ■ Chrome, Industrial      | ■ Mag Particle NDT     | ■ Tin Plating          |
| ■ Chrome, Nuclear         | ■ Materials Lab        | ■ Walk-in Blasting     |
| ■ Copper Plating          | ■ Masking Dept.        | ■ Wet Lab              |
| ■ Diamonize               | ■ Nickel Boron         | ■ Zinc Plating         |
| ■ Electroless Nickel (EN) | ■ Nickel, Electrolytic | ■ Zinc Nickel          |
| ■ Nuclear EN              | ■ Nickel, PTFE         |                        |



19 Certified Electro/Aerospace Finishers (CEF/CAF) & 4 Master Surface Finishers



**(937) 253-5311** ■ **www.techmetals.com**

## Techmetals Customer Approvals (to name a few)

Below are specifications that are most often provided by Techmetals for our Aerospace partners. We provide certified plating solutions for specs dealing with Raytheon to Boeing, and almost everything in-between. Techmetals also offers R&D, Optical Coatings, Medical Coatings, Large ID & OD Grinding & Areas with 20-Ton Capacities.

### ■ Aerojet Rocketdyne

AMS-H-8625  
QQ-N-290

### ■ BAE Systems

Nadcap Approved Supplier

### ■ Boeing

BAC 5617  
AMS 2759  
AMS 2759/9  
BAC 5619  
MIL-A-8625 (Types II & III)  
AMS 2488  
MIL-C-5541 (Immersion)  
MIL-DTL-5541 (Immersion)  
BAC 5719 (Immersion)  
QQ-P-416 (Types I & II)  
AMS-QQ-P-416  
BAC 5637  
AMS 2417  
BAC 5680  
QQ-C-320  
BAC 5709 (Class 1, 2, 3)  
QQ-N-290  
AMS-QQ-N-290  
MIL-C-26074  
AMS 2404  
AMS-C-26074  
QQ-S-365  
AMS 2410  
AMS 2411  
AMS 2412  
BAC 5715  
Chemical Testing  
ASTM-B-117  
PS13112

### ■ General Dynamics

AMS 2700

AMS-QQ-P-35

MIL-A-8625 (Type I - Class I & II)

MIL-A-8625 (Type III - Class I & II)

MIL-DTL-5541 (Types I & II)

MIL-STD-865

AMS 2444A

### ■ General Electric

AMS 2404

AMS 2405

AMS 2410

AMS 2411

AMS 2412

AMS 2471

AMS 2473

F50TF72

MIL-DTL-5541

MIL-A-8625 (Types I & II)

### ■ Lockheed Martin

ASTM-A380

ASTM-A967

MIL-A-8625 (Types II & III)

AMS-QQ-P-35/ QQ-P-35

MIL-DTL-5541

Nadcap Approved Supplier

### ■ Parker

MIL-A-8625 (Types II, IIB, III)

AMS 2488 (Types I & II)

Nadcap Approved Supplier

AMS 2406

AMS 2460

MIL-DTL-5541 (Types I & II)

ASTM-B-700

AMS 2410

AMS 2411

AMS 2412

AMS 2417

AMS 2418

BPS 4620 (Heat Treat)

BPS 4823

AMS 2444

BPS 4538

AMS 2700 (Types 1-3, Citric)

AMS-C-26074 (Class 1-4)

AMS 2404 (Class 1-4)

QQ-N-290 (Class 1 & II)

AMS 2403

AMS 2424

BPS 4015 (Types I & II)

BPS 4776

### ■ SpaceX

MIL-A-8625 (Types II & III)

AMS 2488

MIL-DTL-5541 (Immersion)

ASTM-B-912

NASA-PRC-5010

AMS 2700 (Method 1,2)

ASTM-A-380

AMS 2406

AMS 2418

AMS 2404

AMS 2405

AMS-C-26074

ASTM-B-733

AMS 2403

AMS-QQ-N-290

AMS 2410

QQ-S-365

ASTM-B-633

AMS 2417

SPX-00042789

AMS 2444

### ■ UTC/Collins

AS9100 D

MIL-A-8625 (Types II & III)

LGPS 1104 (TM103)

LGPS 1108 (TM103)

LGPS 1106 (ZIN)

E.S. 6.16

AMS 2488

AMS-QQ-P-416

AMS-2406

AMS-2460

AMS-QQ-C-320

E.S. 6.131

MIL-STD-1501

AMS 2403

AMS 2424

AMS-QQ-N-290

AMS 2417

E.S. 6.215

AMS 2404

AMS 2405

AMS-C-26074

UltraKcoat

MIL-DTL-5541

E.S. 6.29

AMS 2700

AMS-QQ-P-35

ASTM-A-380

ASTM-A-967

E.S. 6.19

AC7108/14

AMS-2759/11

### ■ Alkaline Zinc

ASTM B 633

### ■ Anodize

MIL-A-8625

AMS 2469

AMS 2471

AMS 2472

ASTM B 580\*

## Approved Industry Specifications

### ■ Brush Plating

Nickel, Cobalt, Copper

MIL-STD-865C (USAF)

AMS 2451

### ■ Copper

AMS 2418

### ■ Chemfilm

MIL-C-5541

AMS 2473

MIL-DTL-5541 (Type I & II)

MAP-311088-1300

9904151 (Type 1)

### ■ Cadmium

QQ-P-416

AMS QQ P 416

### ■ Electropolish

ASTM B 912

### ■ Gold

ASTM B 488

### ■ Hard Chrome

AMS QQ C 320

AMS 2406

AMS 2460

ASTM B 177

FED-QQ-C-320

MIL-DTL-23422

MIL-STD 1501 F

### ■ Nickel Boron

AMS 2433

ASTM B 607\*

### ■ Nickel/EN

AMS C 26074\*

AMS 2404

AMS 2405

AMS 2454

ASTM B 733

MIL-C-26074

MIL-DTL-32119

### ■ Nickel / Sulfamate

AMS 2403

AMS 2424

AMS-QQ-N-290

FED-QQ-N-290

Union Carbide J5 1396

### ■ Passivation

AMS QQ P 35

AMS 2700

ASTM A 380

ASTM A 967

ASTM F86\*

FED-QQ-P-35

9904301

### ■ Silver

AMS 2410

AMS 2411

AMS 2412

ASTM B 700

QQ-S-365

### ■ Tin

ASTM B 545\*

### ■ Titanium Coating

AMS 2488

### ■ Zinc Nickel

MIL-PRF-32660

AMS 2417

### ■ PVD / Thin Film Vacuum

AMS 2444

TiN, DLC, TiCN, CrN, AlTiN, AlTiCrN, ZrN