

# Outside Processing for a Higher Purpose

Our value proposition to you is simple. Provide best-in-class quality of service, industry-leading process lead times and real-time communication. Our team consists of experienced problem solvers committed to meeting customer demands and we look forward to supporting your processing needs.

<b>+1,000,000</b> Parts per Year	<b>250</b> Valued Customers	<b>38</b> Years in Business	<b>30</b> Prime Approvals	<b>4</b> Nadcap Accreditations	<b>2</b> Operating Shifts	<b>1</b> Goal: Perfection
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## ABOUT US

FutureWeld is the leading Arizona-based provider of special processing services to the aerospace & defense and other industries including medical, commercial, industrial, and automotive. Since our founding in 1979, FutureWeld has delivered unrivalled quality and service to its long-standing customers across Arizona and other states.

We are uniquely qualified to serve your special processing needs as Arizona's only independent special processing service provider that is Nadcap accredited to offer Chemical Processing, Non-Destructive Testing, and Welding services.

We operate two shifts and offer pick-up and delivery service to ensure fast turn times.

## SERVICES

- Anodize
- Chem Film
- Passivation
- Pre-Penetrant Etch
- Dry Film Lube
- Wet Paint
- Fluorescent Penetrant Inspection
- Magnetic Particle Inspection
- Pressure Test
- Helium Leak Test
- Fusion Weld
- Braze
- Glass Bead

## PRIME APPROVALS



## CONTACT US

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## Anodize

- Type II Sulfuric, Class 1 (no color)
- Type II Sulfuric, Class 2 (black or special color)
- Type III Hard Anodize, Class 1 (no color)
- Type III Hard Anodize, Class 2 (black or special color)
- Special colors available including blue, gold and red
- Seals – Hot Water DI, Nickel Acetate, Dichromate, Duplex

## Passivation

QQ-P-35, AMS 2700, ASTM A967, ASTM A380

- Type II
- Type VI
- Citric Acid

Passivation Testing:

- 24 Hour Water Immersion
- Copper Sulfate
- Salt Spray
- High Humidity

## Chemical Conversion Coating

- Chem Film 5900 (Tri-Valent Clear) Type II, Class 1A, Class 3
- Chem Film 1200 (Gold) Type I, Class 1A, Class 3

## Gas Tungsten Arc Welding

- Welders certified to MIL-STD-2219 and AWS D17.1
- Steel and stainless steel
- Aluminum
- Nickel-based
- Cobalt-based
- Magnesium
- Titanium in argon atmosphere
- Tool steel
- Castings
- Hand brazing

## Non-Destructive Testing

- Pre-penetrant etch - Honeywell Torrance, Fluids, Engines
- Fluorescent penetrant inspection (FPI)
- Magnetic particle inspection (MPI)

## Pressure Testing & Leak Detection

- Pressure test – compressed air
- Pressure test – compressed nitrogen
- Pressure test – hydraulic
- Helium leak detection up to 10-9 micron
- Qualified to Honeywell EMS52310

## Anodize Approvals

- MIL-A-8625, AMS2471, AMS2468
  - Boeing (BAC 5821)
  - Gulfstream
  - Honeywell (GPS3205-1)
  - Woodward
- Goodrich
- Hamilton Sundstrand
- Williams International

## Passivate Approvals

- AMS 2700, AMS-QQ-P-35
  - Boeing HP4-8
  - Gulfstream (GAMPS 4103)
  - Hamilton Sundstrand (PN14.10)
  - Honeywell (GPS3000-1)
  - Parker Hannifin

## Chemical Conversion Coating Approvals

- MIL-DTL-5541
  - Boeing (BAC 5719) (HP4-57)
  - Honeywell (GPS3200-1)
  - Hamilton Sundstrand
  - Williams International
  - ASTM B-449 CL3
- MIL-C-5541
  - Boeing
  - Goodrich
  - Hamilton Sundstrand
  - Honeywell

## Gas Tungsten Arc Welding Approvals

- AWS D17.1/D17.1.M
  - Hamilton Sundstrand (PN05.15)
  - Honeywell
  - Parker Hannifin
- MIL-STD-2219
  - Boeing (PS22250, PS22201, PS22240)
  - Hamilton Sundstrand
  - Honeywell
- Williams International P2560
- Gulfstream (GAMPS 2302)

## NDT Approvals

- ASTM E 1417 and ASTM E 1444
  - Boeing (HP6-13, HP6-5, PS21201, PS21202)
  - Gulfstream
  - Hamilton Sundstrand (PN16.04)
  - Honeywell (HGS1010, HGS1009)
  - Parker Hannifin

## Wet Paint (pending approval)

- Primer
- Topcoat

## Dry Film Lube

- Approved to GPS3211-1AB (pending)
- Type I and Type II