

Coastline Metal Finishing is AS9100D Certified and NADCAP Accredited.

ISO 9001:2015 incorporating the Requirements of AS9100D Certificate 14035ASR006

Nadcap Accredited AS7108 for Chemical Processing

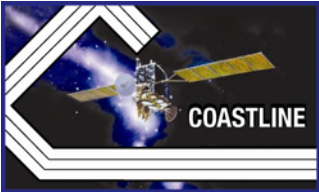
Thank you for considering Coastline Metal Finishing for your processing needs. Coastline Metal Finishing has been in business since 1987 serving the Aerospace, Automotive, Microwave, Satellite, Electronics and Medical industries. The company has developed a reputation within these industries for meeting the leading edge in Plating, Anodizing and Masking requirements for precision-machined parts.

While developing a strong reputation in many industries, one of the key elements is the knowledge and experience of the Coastline Metal Finishing staff. Many of our employees have been with the company since it's inception and many key personnel have over 30 years of experience in the finishing industry.

Coastline Metal Finishing offers a variety of plating finishes which include; Electroless Nickel, Semi-Bright, Bright and Sulfamate Nickel, Copper, Gold, Silver, Tin plate, Tin Lead and Passivation. For multiple processes we have a dedicated staff for masking requirements. We also have the capabilities and quick response to meet the single process, rack and run orders.

The Anodize & Chemical Film department can support both small and large production orders. We offer Anodize in the Type II, Sulfuric, or Type III Hard Anodize process. We also have the Teflon Coating available in the Type III Hard Anodize process. We have large tanks with overhead hoist equipment that can accommodate parts up to ten feet in length. We also have a variety of colored dyes to enhance the appearance of parts.

Coastline Metal Finishing has many RoHS compliant Processes. They are identified on the process list page. Please feel free to contact any of our staff members for any questions that you might have about our services.



Anodize & Chemical Film Process List

Anodize Type II, Type II B, Class 1, Class 2 (RoHS Compliant)

Anodize Type III Class 1, Class 2 (RoHS Compliant)

Anodize TFE Type 1 (RoHS Compliant)

Chemical Film Type 1, Class 1A, Class 3

Clear Chemical film Type 1, Class 1A, Class 3

Clear Chemical Film Type II (RoHS Compliant)

Precious Metals Plating Process List

Gold Plate Type, I,II,III (RoHS Compliant)

Matte Silver Plate (RoHS Compliant)

Semi Bright Silver Plate (RoHS Compliant)

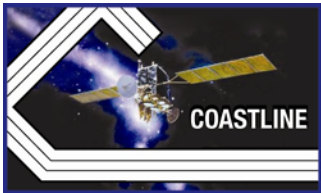
Immersion Gold (RoHS Compliant)

General Plating Process List

Electroless Nickel (High, Mid, Low Phosphorus) (RoHS Compliant)

Matte Sulfamate Nickel (RoHS Compliant)

Bright Nickel (RoHS Compliant)



General Plating Process List

Semi- Bright Sulfamate Nickel (RoHS Compliant)

Copper Plate (RoHS Compliant)

Tin Bright (RoHS Compliant)

Tin Matte (RoHS Compliant)

Tin Lead 60/40

Tin Lead Reflow 60/40

Tin Plate 90/10

Tin Plate-Reflow 90/10

Tin Plate 90/5

Tin Plate-Reflow 90//10

Brush Plating

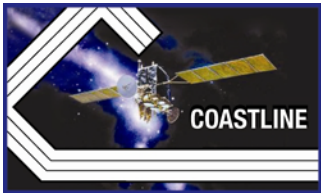
Passivation & Cleaning

Passivation Type II, VI, VII, VIII

Ultra Sonic Cleaning

Aluminum Etch & Clean

Titanium Etch & Clean



METAL FINISHING CORPORATION

Supporting Processes

Glass Bead & Sand Blast

Masking

Stress Relieve Bake

Ink Identification

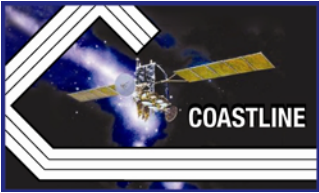
Laser Marking

Please contact our Quality Department with any questions regarding specifications.

Paint Services outsourced to Coast Plating.

Non-Destructive Testing outsourced to Coast Plating.

These services performed only in combination with above processes.



Contact Information

Main Phone 714-895-9099

Name	Position	Email
Juan Cadenas	General Manager	Juan.Cadenas@Valencest.com
Allen Fowler	Facilities Manager	Allen.Fowler@Valencest.com
Brent Hoops	Account Manager	Brent.Hoops@Valencest.com

Pricing Department

Sosene Schuster	Quotes/ Pricing	Sosene.Schuster@Valencest.com
Irma Scott	Customer Service	Irma.Scott@Valencest.com
Eva Martinez	Customer Service	Eva.Martinez@Valencest.com

Quality Department

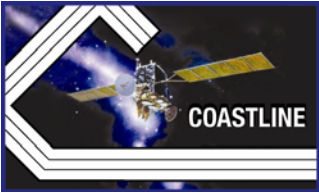
Diana Crane	QA Manager	Diana.Crane@Valencest.com
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Pick up and Delivery

Anthony Madrid	Shipping Department	Anthony.Madrid@Valencest.com
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Office

Mary Headworth	Assistant Office Manager	Mary.Headworth@Valencest.com
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Process

Type

Minimum Charge

Anodize & Chemical Film

Sulfuric Anodize	Type II	\$125.00
Sulfuric Anodize	Type II Dyed	\$150.00
Hard Anodize	Type III	\$150.00
Hard Anodize	Type III Dyed	\$175.00
Hard Anodize	Teflon Seal	\$200.00
Hard Anodize	Dyed Teflon Seal	\$225.00
Chemical Film	Type I Chromate	\$125.00
Chemical Film	Type I Clear	\$125.00
Chemical Film	Type II Clear RoHS compliant	\$150.00

Electroless Nickel (Please see Bake charges below)

Electroless Nickel	Low, Mid, phosphate	\$100.00
	Includes Hardness Bake	\$200.00
Electroless Nickel	High Phosphate	\$150.00
	Includes Hardness Bake	\$200.00
Nickel	Bright	\$150.00
Nickel	Semi Bright	\$150.00
Nickel	Sulfamate	\$150.00

Gold & Silver & Copper (Please see Bake charges below)

Gold	Type I, II, III	\$325.00
Silver Plate	Type I, II	\$225.00
Copper Plate		\$125.00
Immersion Gold		\$325.00

Tin Plate (Please see Bake charges below)

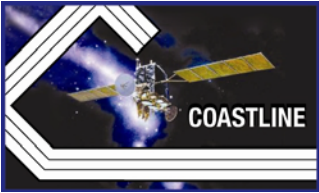
Tin Plate	Matte	\$125.00
Tin Plate	Bright	\$125.00
Tin Lead	60/40	\$150.00
Tin Lead Reflow	60/40	\$175.00
Tin Lead	90/10-95/5	\$150.00
Tin Lead Reflow	90/10-95/5	\$175.00

Passivation

Passivation	Testing Included	\$125.00
If Hydrogen Embrittlement required	See Bake Charges Below	

Misc. Process

Masking		\$75.00
Ultrasonic Clean		\$125.00
Clean & Etch		\$175.00
Titanium Etch		\$225.00
Glass Bead & Sand Blasting		\$100.00
Stress Relieve Bake		\$75.00
Identify		\$85.00
Laser Marking		\$100.00
Bag & Tag		\$75.00
Process Witness Fee		\$500.00 \$500.00
Brush Plating		Contact Estimating



Process

Minimum Charge

Misc. Process-Continued

Stripping Chemical Film & Anodize	\$75.00
Stripping Plating	\$100.00
Minimum Rack Price	.50 ea

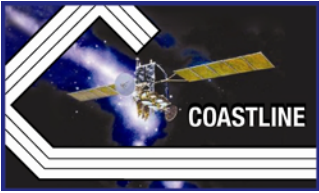
Bake Charge

Bake for Hydrogen Embrittlement	\$100.00 – 3 hours	\$150.00 -24 hours
Post Plating Bake over 3 Hours	\$100.00 – 3 hours	\$150.00 -24 hours
Post plating Bake with Nitrogen (30 Minutes – 4 Hours)	\$175.00	

Additional Testing charges

Solderability testing	\$75.00
Steam Age Additional	\$75.00
Purity Testin (Tin Plate ASTM B 545)	\$75.00
Anodize Seal Test	\$100.00

* Please note. There is a 10% Hazardous Waste Sur-Charge This applies to all lot charges and unit prices.

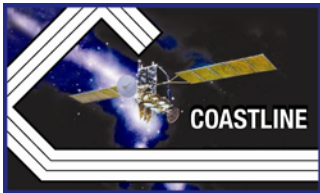


METAL FINISHING CORPORATION

Customer Approvals

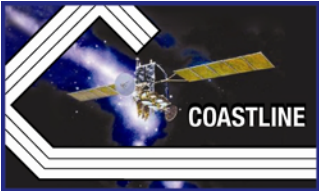
Adams Rite Aerospace
BAE Systems
Boeing D-14426
Cobham
Dow-Key Microwave
Ducommun Technologies
Eaton Aerospace
General Atomics
General Dynamics
Goodrich Aerospace
Honeywell
Light Works Optics
Lockheed Martin
L3 -Various Divisions
Moog Aerospace
Micro- Semi
Northrop Grumman
Orbital ATK
Parker Aerospace Group
Raytheon- All Divisions
Spacex
Teledyne Electronics
Teledyne Relays

Reference only, please verify actual process approvals with our Quality Department



Coastline Metal Finishing Facilities Capabilities

Anodizing/Plating	Tank Sizes	Specification	Type/Class	Grade
Sulfuric Anodize	(11'X11'X5'D)	Mil-A-8625	Type II, IIB Class 2-Dyed	
		AMS 2471		
Hard Anodize	(11'X11'X 5'D)	Mil-A-8625	Type III Class 2-Dyed	
		AMS2468		
		AMS2469		
TFE Hard Anodize	(36"X36"X34" D)	MIL-A-8625	Type I	
		MIL-A-63576		
Sealing:				
Hot Deionized Water	(60"X120"X60" D)			
Sodium Dichromate	(60"X120"X60" D)			
Nickel Acetate	(60"X120"X60" D)			
Chemical Film	(11'X11'X5'D)	Mil-C-5541	Class 1A	Clear or Gold
		Mil-C-5541	Class 3	Clear or Gold
		AMS-C-5541	Class 1A	Clear or Gold
		AMS-C-5541	Class 3	Clear or Gold
Tin Bright	(53"X29"X32" D)	Mil-T-10727	Type I	Bright
		ASTM-B-545	Class A - F	
Tin, Flow-Bright		Mil-T-10727	Type I	Flow-Bright
		ASTM-B-545	Class A-B	Flow-Bright
Tin	(20"X30"X24" D)	AMS2408		
Tin	(31"X19"X23" D)	ASTM-B-545	Class A-F	Matte-Bright Flow-Bright
Tin Lead (60/40)	(26"X23"X32" D)	Mil-P-81728		Bright
Tin Lead (95/5)	(26"X18"X23" D)	AMS-P-81728		Bright
		Mil-P-81728		Matte
		AMS-P-81728		Matte
		Mil-P-81728		Re-Flow
		AMS-P-81728		Re-Flow
Passivation	(72"X23"X34" D)	QQ-P-365	Type II	Testing Required
	(23.5"X17.5"X22" D)	AMS-QQ-P-35	Type VI,	Testing Required
	(23.5"X17.5"X22" D)	ASTM-A-967	Type VIII	Testing Required
Copper	(59" X29" X33" D)	Mil-C-14550	Class 1-4	
		AMS-2418		
Electroless Nickel				
Mid Phosphorus	(72.5' X32.5' X44" D)	Mil-C-26074	Class 1-4	Grades A,B,&C
		AMS-2404		
Low -Phosphorous	(90"X30"X33" D)	AMS-2405		(Low Phosphorus)
High -Phosphorus	(39"X39"X33" D)	ASTM-B-607	Type 1-2	
		ASTM-B-656	Class 1-5	(Nickel Phosphorus)
Bright Nickel	(25"X29"X34" D)	QQ-N-290		
Sulfamate Nickel	(53"X30"X35" D)	QQ-N-290A	Class 1	Grade A - E
		AMS-2424	Class 2	Low Stress



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Anodizing/Plating	Tank Sizes	Specification	Type/Class	Grade
Semi Bright Nickel	(50"X27.5"X31"D)	AMS-2403		General Purpose
		AMS-2423		Hard (Chloride)
		ASTM-689		
Nickel Boron	(18"X18"X18"D)	AMS-2433	Class 1-4	Grade A-D
Gold	(24"X16"X18"D)	Mil-G-45204	Type III	Grade A (or as specified)
	(41"x12.5"x33"D)		Type I, Type II	Grade C (or as specified)
	(18"X12"X16"D)		Type I, Type II	Grade D
Silver	(60"X30"X34"D)	QQ-S-365	Type I	Grade A & B
		AMS-2410	Type II	Grade A & B
		AMS-2411		
		AMS-2412		
Brush Plating (Dalic)		Mil-Std-865		