

Coastline Metal Finishing is ISO Certified and NADCAP Accredited.

ISO - DNV Management System Certificate: Cert –06810-2004-AQ-HOU-RAB

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.

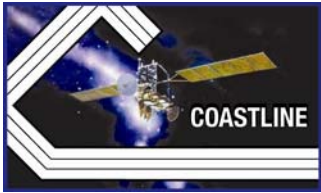
While developing a strong reputation in many industries, one of the key elements is the knowledge and experience of the Coastline Metal Finishing staff. Many of our employees have been with the company since it's inception and many key personnel have over 30 years of experience in the finishing industry.

Coastline Metal Finishing offers a variety of plating finishes which include; Electroless Nickel, Bright and Sulfamate Nickel, Copper, Gold, Silver, Tin plate 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.

Thank you.



Process List

Anodize Type II (Rohs Compliant without Dichromate Seal)
Anodize Type III (Rohs Compliant without Dichromate Seal)
Anodize TFE
Chemical Film
Clear Chemical Film (Rohs Compliant)
Brush Plating
Copper Plate
Electroless Nickel (High, Mid, Low Phosphorus) (Rohs Compliant)
Sulfamate Nickel
Bright Nickel
Boron Electroless Nickel (Commercial Grade Only)
Passivation
Gold Plate (Rohs Compliant)
Silver Plate (Rohs Compliant)
Tin Bright (Rohs Compliant)
Tin Matte
Tin Lead-Reflow
Tin Plate-Reflow

Processes performed to Military specifications and Customer specifications.

Paint Services outsourced to Coastline High Performance Coatings.
Non-destructive Testing outsourced to Stork Material Testing & Inspection.
These services performed only in combination with above processes.



Contact Information

Name	Position	Phone	Email
Joe Padilla	President	(714) 895-9099 ext. 23	coastline@clmf.com
Ron Covey	Vice President	(714) 895-9099 ext. 36	coastline@clmf.com
Allen Fowler	2 nd Vice President	(714) 895-9099 ext. 30	allenf@clmf.com

Customer Support

Sosene Schuster	Estimating/Order Status	(714) 895-9099 ext. 27	sosenes@clmf.com
Eduardo Padilla	Shipping/Receiving	(714) 895-9099 ext. 28	edpadilla@clmf.com

Sales Department

Brent Hoops	Sales Manager	(714) 809-3101	brenth@clmf.com
Fred Daichendt	Sales Representative (Arizona)	(602) 867-1680	fred_imr@Q.com

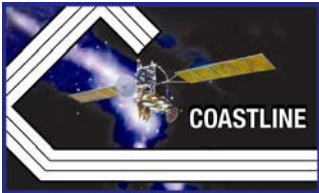
Quality Department

Juan Cadenas	Q. A. Manager	(714) 895-9099 ext.29	juanc@clmf.com
Joe Loughry	Planning	(714) 895-9099 ext. 22	jloughry@clmf.com

Office

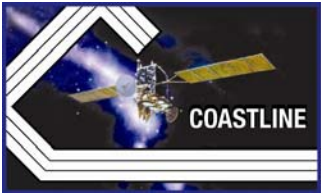
Veronica Sanchez	Office Manager	(714) 895-9099 ext.24	veronicas@clmf.com
Irma Garcia Del Rio	Asst. Office Manager	(714) 895-9099 ext. 26	Irmagr@clmf.com

Please contact the Shipping Department with questions regarding pick up and delivery.



Process	Type	
Minimum Charge		
Anodize & Chemical Film		
Sulfuric Anodize	Type II	\$75.00
Sulfuric Anodize	Type II Dyed	\$75.00
Hard Anodize	Type III	\$100.00
Hard Anodize	Type III Dyed	\$100.00
Hard Anodize	Teflon Seal	\$150.00
Chemical Film	Chromate	\$65.00
Chemical Film	Clear	\$65.00
Chemical Film	RoHS compliant	\$125.00
Electroless Nickel (Please see Bake charges below)		
Electroless Nickel	Low, Mid, High phosphate	\$100.00
Nickel	Bright	\$100.00
Nickel	Semi Bright	\$125.00
Nickel	Sulfamate	\$125.00
Electroless Nickel	Boron	\$150.00
Gold & Silver & Copper		
Gold	Type I, II, III	\$275.00
Silver Plate	Type I, II	\$175.00
Copper Plate		\$100.00
Immersion Gold		\$275.00
Tin Plate		
Tin Plate	Matte	\$100.00
Tin Plate	Bright	\$100.00
Tin Lead	60/40	\$125.00
Tin Reflow	90/10	\$150.00
Tin Lead	60/40	\$125.00
Tin Lead Reflow	90/10	\$150.00
Passivation		
Passivation	No Testing	\$85.00
Passivation	Copper sulfate testing	\$105.00
Passivation	24 Hour High Humidity testing	\$125.00
Misc. Process		
Masking		\$65.00
Clean		\$85.00
Clean & Etch		\$175.00
Glass Bead & Sand Blasting		\$45.00
Stress Relieve Bake		\$75.00
Identify		\$65.00
Processing witness fee		\$500.00
Brush Plating		Contact Estimating

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



Process

Minimum Charge

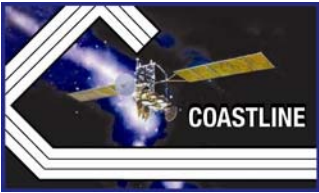
Bake Charge

Bake for Hydrogen Embrittlement	\$75.00 – 3 hours	\$125.00 -24 hours
Post Plating Bake over 3 Hours	\$75.00 – 3 hours	\$125.00 -24 hours
Post plating Bake with Nitrogen (30 Minutes – 4 Hours)	\$125.00	

Additional Testing charges

Solderability testing (includes Steam Age)	\$75.00
Purity Testing (Tin Plate ASTM B 545)	\$75.00

* 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
Boeing D-14426
Boeing Satellite Division
Ducommun Technologies
Eaton Aerospace
General Atomics
Aeronautical Systems
General Dynamics
Goodrich Aerospace
Aerostructure
Flight Space Systems
Honeywell
Kaiser Electro Precision
Lockheed Martin
Aeronautical Division
Denver Division
New Orleans Division
L3 Electron Technologies
L3 Cincinnati Electronics
L3 Narda West
Moog Aerospace
Torrance Division
Northrop
Space Technology
Parker Aerospace Group
Irvine
Salt Lake City
Raytheon All Divisions

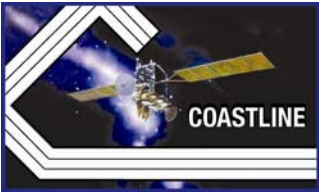
Customer Approvals

BAE Systems
Babcock
Certified Fabricators
Composite Optics
Programmed Composite
Daico
Dow-Key Microwave
Ico Industries
ITT Aerospace
Lark Engineering
Leach International
Light Works Optics
Metalagraphics
Micro Mode
Micro- Semi
Modern Industries
OCA Applied Optics
PB Fastener
Remec Microwave
Teledyne Electronics
Teledyne Relays
Vacco
YS Controls
Zycor Technologies



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	(30"X60"X36"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	(30"X60"X36"D)	ASTM-B-545	Class A-F	Matte-Bright Flow-Bright
Tin Lead	(28"X24"X30"D)	Mil-P-81728		Bright
	(30"X60"X36"D)	AMS-P-81728		Bright
	(30"X60"X36"D)	Mil-P-81728		Matte
		AMS-P-81728		Matte
		Mil-P-81728		Re-Flow
		AMS-P-81728		Re-Flow
Brush Plating (Dalic)		Mil-Std-865		
Passivation	(24"X48"X36"D)	QQ-P-365	Type II, VI, VII, VIII	Testing Required
		AMS-QQ-P-35	Type II, VI, VII, VIII	Testing Required
		ASTM-A-967		
Copper	(60"X30"X34"D)	Mil-C-14550	Class 1-4	
		AMS-2418		
Electroless Nickel				
Mid Phosphorus		Mil-C-26074	Class 1-4	Grades A,B,&C
	(30"X90"X48"D)	AMS-2404		
Low -Phosphorous	(30"X90"X33"D)	AMS-2405		(Low Phosphorus)
High -Phosphorus	(39"X36"X33"D)	ASTM-B-607	Type 1-2	
		ASTM-B-656	Class 1-5	(Nickel Phosphorus)
Bright Nickel	(24"X30"X32"D)	QQ-N-290		
Sulfamate Nickel	(30"X53"X34"D)	QQ-N-290A	Class 1	Grade A - E
		AMS-2424	Class 2	Low Stress



Anodizing/Plating	Tank Sizes	Specification	Type/Class	Grade
Semi Bright Nickel	(30"X53"X34"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	(12"X41"X34"D)	Mil-G-45204	Type I	Grade A (or as specified)
	(18"x12"x18"D)		Type II	Grade C (or as specified)
	(18"X12"X18"D)		Type III	Grade A
Silver	(33"X60"X34"D)	QQ-S-365	Type I	Grade A & B
		AMS-2410	Type II	Grade A & B
		AMS-2411		
		AMS-2412		