

SURTRONICS, INC.

Industrial Electroplating
and Anodizing

Established 1965

A Brief History



Angela Stanley CEO/President

- We are very proud to be a second generation family business that has provided quality plating for over forty years.
- Terry Smith and Bill Wade founded the company in 1965.
- In 2007, Angela Smith Stanley acquired the Wade family stock and Surtronic became a solely woman owned business.

1st Location, Glenwood Avenue

(Former Laundromat)

1965-1969



2nd Location, Hargett Street

1969-1973



4001 Beryl Rd, Raleigh, NC 27636

1973- Present



Surtronics' Valued Employees



1 Location, 43 Employees, Average Employee Tenure = 16 years

Surtronics Organization Chart

4/16/12

Angela Stanley
President/CEO

Lee Bradshaw
General Manager

Mike Breslin
Quality Manager

Elizabeth Vander Gast
Accounting/ Health and
Benefits

Cliff Grissom
Safety/Purchasing/Personnel

Tai Perry
Account Rep

Mike Breslin
Sr. Account Manager

Ray Lane
Sr. Account Manager

Tai Perry
Quality

Mike Nesterak
QC Inspection

Pedro Garcia
Inspection/Receiving

Michael Nesterak
Shipping

Jacob Farmer
Lab Coordinator

Steve Capozzi
Sr. Maintenance

Kevin Adams
Maintenance

Camilio McKoy
Jose Rodriguez
Maintenance

James Blue
Environmental
Coordinator

Jason Miller
QC Inspection

Jason Miller
QC Inspection

Rick Derrenbacher
Production Manager

Tom Dillard
Lab Tech

Maintenance

- Dept. 10 Gold/Ni
- Dept. 20 Silver
- Dept. 21 Silver
- Dept. 30 Rk Silver
- Dept. 40 Electroless Ni
- Dept. 50 S. Bl. Ni/Tin
- Dept. 60 Rk. Tin
- Dept. 61 Chromate
- Dept. 70/71 Bl. Cadmium
- Dept. 80 L. Bl Zinc
- Dept. 90 Rk. Zinc
- Dept. 91 S. Bl. Zinc
- Dept. 100 Ni/Cr/Cu
- Dept. 101 P. Electro
- Dept. 110 M. Anodize
- Dept. 111 A. Anod
- Dept. 113 A. Anod
- Dept. 130 Bl. Ni/Tin
- Dept. 170 Act Plastic

- Jason Tomberlin
Mike Breslin
- Randy Merritt
Camilio McKoy
- Jon Eric Von Roekel
Jason Tomberlin
- Alfredo Garcia
Rodney Price
- Randy Merritt
- Calvin Blackwell
Scott Roller
Lucilla Finley
- John Mooney
Darryl Kelsburger
- John Mooney
Darryl Kelsberger
Joan Krier
Carmen Leonides
Jose Rodriguez
Maria Lopez
- Jason Tomberlin
Randy Merritt
- Rodney Price
Alfredo Garcia
- Joe Fuller
- Ryan Johnson
- Fred Merchison
- Tracy Armstrong
Tony Jones
Allen Daniels
- Marcus Purcell
- Adonia Katikiri
Camilio McKoy
- Alfredo Garcia
- Roger Miller
Line Leader
- Ana Cornejo
Elfega Mendoza
Gloribel Garcia
- Jacob Farmer

Surtronics Mission Statement:

SURTRONICS, INC.

ELECTROPLATING & ANODIZING



◆ *Mission Statement* ◆

As Valued Employees of Surtronics, We Must:

- ◆ Support our Manufacturing Customers
- ◆ Add Value to our Customers' Products in an Ecologically Responsible and Safe Way
- ◆ Stay on the Leading Edge of Technology
- ◆ Be Competitive, Efficient, and Profitable

How our Shop Works



Receiving Dock



Receiving Clerk
counting parts

- Parts are delivered to Surtronics' Receiving Bay.
- The Parts are then opened, visually inspected, and counted.
- The paperwork is taken to the front office where the job card is generated.

How our Shop Works

- The paperwork is attached to the parts and the job is delivered to the respective department's staging area.
- The job is placed in queue. Everyday our Production Manager monitors what jobs will be plated while planning for possible expedited jobs.

06/10/2011 12:35:45
ASAP-INTREX

Surtronics, Inc. Job Order

Job No. 899129
Job Received: 08/18/11
Qty Ordered: 257211
Page: 1
Dept: 090

Customer PO No. 13004400
Job No. 13004400
PLN No. TP
INCL. DEPT. Y
45004383 TP

Specs: 11040 A00
Plating Code: Lower Upper Total Agcs. DAB/PLK. Mf. Spec.
ZN YELLOW 0.000150 0.000000

Form F-12: First QC Checklist (REV 6, 03/01/2010, MOD)
Appearance and Specifications: (All visual inspection performed to Table 1 AQL level 1.0)
Let Run: Sample Size: _____
Where Labels Required: YES NO
Correct Finish Type: YES NO N/A Verify Type: _____ (check customer paperwork and job card)
Correct Chromate Color: YES NO N/A
Verify Color: _____
Distribution of Finish: YES NO
Check for WRITER SPOCS, STAINS, ETCHING, HIGH MARKS, SURFING (if Yes, circle at that spot)
Correct Compensate Thickness or Spec? YES NO N/A Circle at Any Readings and record min and max thickness MIN MAX N/A
Address (Please Test)? YES NO N/A
Bent Test YES NO N/A
Blow Test YES NO N/A
Barb Test YES NO N/A
Tact Test YES NO N/A Are Base Certifications enclosed? YES NO N/A
In agreement signed by operator? YES NO N/A
Aged Base 1 Yes YES NO N/A
Spec/Plat/Fin Names above have been met: YES NO N/A
Are units required? YES NO Write file serial: _____
FAIL: Please apply RED sticker, write up internal report in computer, and give J2E Call back to Production or, if parts are to be scrapped, to QC Manager.

Job Card

JOB_NO	QNT_REC	QNT_SHIPD	DATE_RECVD	DATE_REQD	PARTNO	SHIPCOMP	DEPT	JOB5
595022	10,000.00	0.00	09-Aug-2011	16-Aug-2011	7919-91145	Deringer - Ney Inc	010	
591660	539,200.00	60,000.00	07-Jun-2011	14-Jun-2011	9-00-0001-1 REV. A	Autosplince/ BLS Inc.	010	
595072	223,040.00	60,000.00	07-Jun-2011	14-Jun-2011	9-524041610LL	Autosplince/ BLS Inc.	010	
594622	6,100.00	0.00	01-Aug-2011	08-Aug-2011	10-70138 REV B	Deringer - Ney Inc	010	2
594802	300,000.00	0.00	04-Aug-2011	11-Aug-2011	10-71398 A	Deringer - Ney Inc	010	
594829	2,500.00	0.00	04-Aug-2011	11-Aug-2011	9887-1272-1	Shallico, Inc.	010	
594830	25,000.00	0.00	04-Aug-2011	11-Aug-2011	9887-306-2	Shallico, Inc.	010	
594848	220,000.00	0.00	04-Aug-2011	11-Aug-2011	51-80062 REV D	Deringer - Ney Inc	010	
594844	12,000.00	0.00	04-Aug-2011	11-Aug-2011	QT05012-009 REV. C	QUALITY THERMISTOR	010	
594903	1,000.00	0.00	05-Aug-2011	12-Aug-2011	9-1617291-7/A797-2	TYCO ELECTRONICS	010	
594950	4,000.00	0.00	08-Aug-2011	15-Aug-2011	23-4859-35 REV P 3	EATON IND. MFG GMBH	010	
595041	206,000.00	0.00	09-Aug-2011	16-Aug-2011	10-71398 A	Deringer - Ney Inc	010	
595049	1,000.00	0.00	09-Aug-2011	16-Aug-2011	08020-1-EI	Electro Switch Corp	010	
595048	110.00	0.00	09-Aug-2011	16-Aug-2011	86-30-0532	Electro Switch Corp	010	
595019	520.00	0.00	09-Aug-2011	16-Aug-2011	091032-2	MOOG COMPONENTS GROUP	010	13
594413	134,000.00	0.00	27-Jul-2011	03-Aug-2011	130-38137	Deringer - Ney Inc	020	
594396	5,732.00	0.00	27-Jul-2011	03-Aug-2011	P82889-11	Electro Switch Corp	020	
583062	10,000.00	0.00	29-Jul-2011	05-Aug-2011	W-FU-22 REV. Z	Electro Switch Corp	020	
594527	12,000.00	0.00	29-Jul-2011	05-Aug-2011	02-100-07-06	Stamp-Tech Precision	020	
583072	30,000.00	0.00	29-Jul-2011	05-Aug-2011	W-RK-108	Electro Switch Corp	020	
594620	5,034.00	0.00	01-Aug-2011	08-Aug-2011	030926-001	MOOG COMPONENTS GROUP	020	
594608	998.00	0.00	01-Aug-2011	08-Aug-2011	LOT-INDOFAST	Infonast	020	7
594696	16,226.00	0.00	02-Aug-2011	09-Aug-2011	C525006-11	Electro Switch Corp	020	

Work In Progress Spreadsheet

How our Shop Works



Parts are rack or barrel plated.

- Depending on the size of the part the job is either racked or placed in a barrel.
- Through a series of cleaning, rinsing, and acid pickling the parts are processed to the customer's specification.



How our Shop Works



Operator checking for plating thickness.



Quality Inspector checking for visual defects.

- Next the job will be plated according to the customer's specification.
- Upon completion of plating the parts will be inspected for any possible defects.

How our Shop Works



Operator completing
a Rework
Authorization Form

Surtronics, Inc. 5.1.5 Form F-05: Quality Procedure Manual
Internal Rework Authorization
(REV 3: 02/07/11 MDR)

Form F-05: Internal Rework Authorization Form

Date: _____
Department: _____
Job Number: _____
Process Type: _____
Quantity Reworked: _____
All [] Partial []

Reason for Rework: _____

Authorization: _____

- If the parts do not meet our plating standards the part will be reworked according to procedures set forth in Surtronics Quality Management System.
- A Rework Authorization Form will then be completed and attached to the paperwork

How our Shop Works

ISO 9001:2008 CERTIFIED

Certificate of Compliance

We hereby certify that all articles furnished in the quantities stated, as called for, have been inspected and tested and are in compliance with all applicable drawings, specifications and requirements of the said purchase order.

QTY RECEIVED	Part No. & Description	Qty ORDERED
220	203110 ALLUM BOX ALUMINUM BOX, 203110 TYPE 1, 8000-0005 DEAL	220

Paul A. Burt
Director of Quality Control

Certificate of Compliance



Parts are packaged in the manner in which received.

- Once the parts pass inspection the job will be delivered to Shipping.
- At this time a ISO 9001:2008 Certificate of Compliance is generated and included in the shipment.

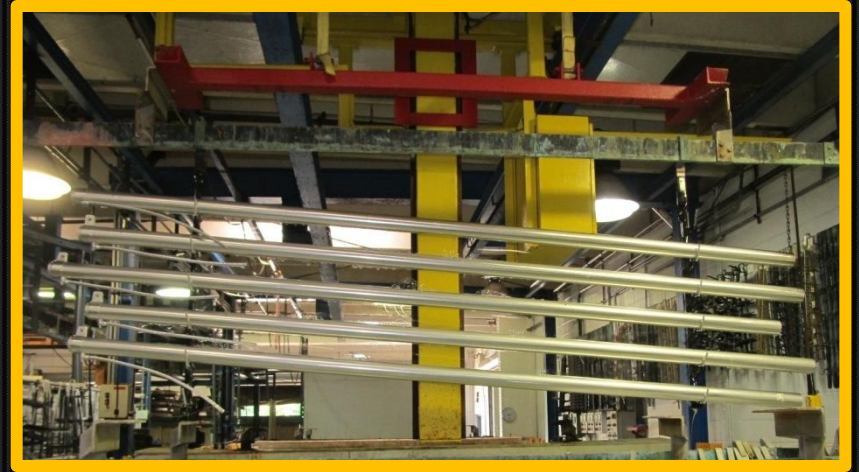
How our Shop Works

- Jobs are shipped out of the shipping dock, via the customer's preferred carrier.
- Invoices are generated when parts are shipped.



Shipping Dock

ISO 9001 Certified Metal Finishing Company



ISO 9001-2008 Certified Metal Finishing Company

ISO Certification

We are in the process of Qualifying for AS9100C



Core Competencies

- Quality
- Custom Certifications
- Quick Turnaround
- Precious Metals Au/Ag
- Tin/Tin Alloys
- Anodizing
- Custom Masking
- Added Value

Industries Served

We are proud to serve 75 major and numerous smaller customers in the following industries:

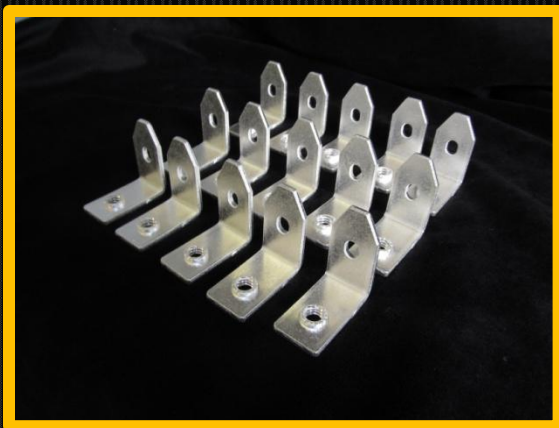
- Aerospace and Defense (Walter Kidde, AAR, Carolina Growler)
- Medical (Teleflex, TransEnterix, Triangle Biomedic)
- R&D (Duke, NC State University, Univ. of North Carolina, Sirchie Fingerprint)
- Power and Energy (Nuclear) (ABB, Siemens, GE)
- Telecommunications and Electronics (Eaton, Tyco, Corning, Electro Switch, Shallco)
- Automotive (Nissan, Toyota, Hyundai, TRW) *(with a volume/capacity of 60- 80,000 units/day)*
- Commercial/Industrial (BSH, John Deere, Flowserve)
- NASCAR (Joe Gibbs, Dale Earnhardt)

We meet all customer, military, automotive, & ASTM specifications.

Base Metals



Plating Finishes Available



Finishes Available

- Anodizing
 - 12' Automated, 6' Automated
 - Type I Chromic
 - Type II Conventional
 - Type III Hard Coat
 - Bright Dip
 - 8 Organic Dyes
- Busbar/Tin
 - 12' Line
 - Bright/Dull
 - Rack/Barrel
- Cadmium
- Chromate Conversion
 - 12' Line
- Chromium
- Cyanide Copper
 - 6 lines
 - Rack/Barrel
- Cupric Oxide
- Electroless Nickel
 - 1 Line
 - Mid PHOS

Finishes Available (cont'd)

- Electro Polish
- Passivation
 - QQ-P-35C
 - Type II, VI, VII
- Gold
 - Cobalt Hard
 - Soft
- Nickel
 - 4 lines
 - Barrel/ Rack
 - Bright and Dull Sulfamate
- Cyanide Silver
 - 2 lines Barrel
- 1 line Rack
- Tin and Tin/Lead
 - 90/10
 - 60/40
- Chloride Zinc
 - Small Barrel/Large Barrel
 - Auto Rack/Manual Rack
 - Black, Olive Drab, Yellow, ROHS Clear, ROHS Yellow
- Other Processes
 - Bead Blasting
 - Heat Treatment
 - Embrittlement Relief

Finish Specification Cross Reference Chart

Specification Cross Reference Chart							
Common Name	Other Common Synonym(s)	MIL-or-QQ	AMS	ASTM	MIL-STD 171 Finish No.	MIL-F-14072 Finish No.	Other
Anodize,Chromic non-dyed	Clear Chromic Acid Anodize	MIL-A-8625 Type I Class I Type IB	AMS-2470 AMS-2468/2469 AMS-2471 AMS-2472	ASTM-B-580 Type G	7.1.1; 7.1.3	E511, Type I	
Anodize,Chromic dyed	Dyed Chromic Acid Anodize	MIL-A-8625 Type I or IB, Class 2		ASTM-B-580 Type G	7.1.2	E522, Type I	
Anodize, Sulfuric, non-dyed	Clear Sulfuric Acid Anodize	MIL-A-8625 Type II, Class 1	AMS - 2471	ASTM-B-580 Type B Thru F	7.2.1	E511, Type II	
Anodize Sulfuric, dyed	Dyed Sulfuric Anodize	MIL-A-8625 Type II, Class 2	AMS-2472	ASTM-B-580 Type B Thru F	7.2.2	E511, Type II	
Black Oxide		MIL-C-13924	AMS-2485				
Cadmium		QQ-P-416	AMS-2400				
Chromium		QQ-C-320	AMS-2406 Hard	ASTM-B-456			
Chromate	Chemical Film; Iridite; Alodine	MIL-C-5541 Class IA	AMS-2473 AMS-2474	ASTM-B-449	7.3.1	E513	
Copper		MIL-C-14550	AMS-2418	ASTM-B-734 ASTM-B-281			
Electroless Nickel	Nickel Phosphorous; Autocatalytic Nickel; Chemical Nickel	MIL-C-26074 (cancelled, but still used-See AMS & ASTM)	AMS-2404 AMS-2405	ASTM-B-733 ASTM-B-656	1.4.3 Thru 1.4.3.4	M265, Grade A; M357, Grade B	NACE-T-6A-54; ISO 4527 MIS 23483
Electropolish				ASTM-B-254			
Gold		MIL-G-45204	AMS-2422 AMS-2425	ASTM-B-488	MIL-STD-865		Brush Plating Rockwell 580-0143
Hardcoat, non-Dyed		MIL-A-8625 Type III, Class 1	AMS-2468 AMS-2469	ASTM-B-580 Type A	7.5.1	E514	
Hardcoat, Dyed	Black Hardcoat Black Hard Anodize	MIL-A-8625 Type III, Class 2		ASTM-B-580 Type A	7.5.2	E514	
Hardcoat/Teflon	Hardlube, Nituff, Tufram, Polylube	MIL-A-8625, Type III, Class I or Class 2 with Teflon MIL-A-63576, Type I	AMS-2482				SM-B-657374
Nickel, Bright		QQ-N-290	AMS-2403	ASTM-B-689			
Nickel, Sulfamate		MIL-P-27418 QQ-N-290	AMS-2403 AMS-2424	ASTM-B-689			
Passivate	Clear Passivate	MIL-STD-753 QQ-P-35, Types II-VI-VII-VIII		ASTM A380 Codes F Thru M; ASTM-A-967 ASTM-B-449	5.4.1	E300	MIS-13219 MIS-20134C
Silver		QQ-S-365	AMS-2410 AMS-2411 AMS-2412	ASTM-B-700			
Tin, Bright		MIL-T-10727	AMS-2408	ASTM-B-545			Rockwell 580-0605
Tin, Dull		MIL-T-10727	AMS-2408	ASTM-B-545			Rockwell 580-0151 Rockwell 580-0225
Tin, Lead Alloy (90/100)		MIL-P-81728					
Zinc			AMS-2402	ASTM-B-633			
Zincate				ASTM-B-253			
Other Specially Engineered Finishes & Services							
Salt Spray				ASTM-B-117			
Quality System							ISO 9001:2008 AS9100C
X-Ray				ASTM-B-568			

Surtronics has expanded in size and complexity



Automated Anodizing Type I, II, & III



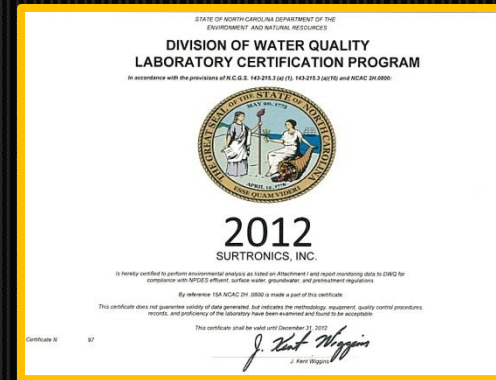
In house, State Certified Testing Lab



AutoTech 36x42 Salt Spray Cabinet,
Testing per ASTM B117 Spec



Perkin Elmer AA400 Waste
Water Sample

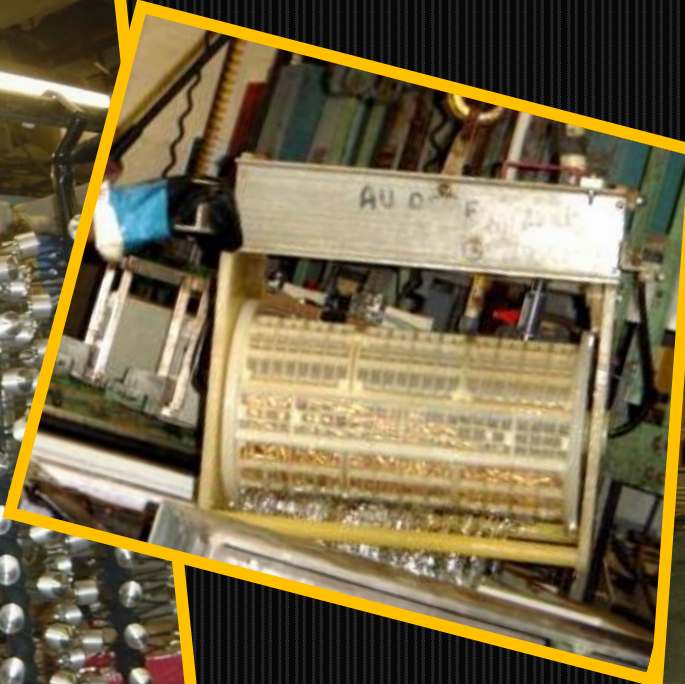


Surtronics Inc's Water Quality Certificate



(2) Fischer Xray XDL-B-XYZPT8 System S

Flexible processing equipment to match your job.



We have an extensive Waste Treatment Department that exceeds governing regulations.



Visit Us on...

- The Web at www.surtronics.com

- Like us on



- Add us to your network



Surtronics, Inc.
Industrial Electroplating & Anodizing

Home
Finishes Available
Troubleshooting & FAQs
Quality & Tech Support
Request A Quote
Trade Show Info
About Us
Contact Us
Terms & Conditions

Surtronics, Inc. was established in 1965 and is now a second generation Woman Owned Business. We provide precious metal plating to the electronics industry and commercial plating and chemical metal finishing to all types of industrial customers. We are specialists in precision plating and anodizing with modern facilities operating under stringent quality control procedures and certified ISO 9001-2008. **We are in the process of qualifying for NADCAP certification.**

We are also on several customers' Nuclear Approved Vendor Lists (NAVL) as a finisher, and we comply with Regulation 10CFR Part 21.

Clear Zinc



facebook

Surtronics, Inc. is on Facebook.
To connect with Surtronics, Inc., sign up for Facebook today.
Sign Up Log In

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Manufacturing
4001 Berry Road, Raleigh, NC.
1 919-854-8027
Open until 5:00 pm.

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**You Start It and We'll Finish It !
Right and On Time
When you partner with
Surtronics You will have the
Advantage of:**

- ✓ Service to your Specifications
- ✓ The economy of a single source for all your finishing needs.
- ✓ Quality from beginning to end, the first time.
- ✓ World class customer support.