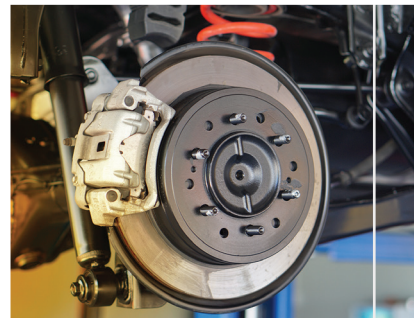


# NASF PROGRAMS, INITIATIVES, AND PARTNERS



# Learn – Participate – Thrive!

## What would you like to achieve?

NASF has many ways for you to meet new customers, expand your supplier base, find (or train) new employees, learn or perfect a skill, or explore a new finishing specialty. All while building your identity as a leader within the industry's most respected professional association.

Committees are an excellent way to become involved with NASF, while helping you stay current on emerging issues. Listed here are the leaders of NASF committees.

### NASF Board of Directors

#### **President**

Steve Brown, BroCo Products, Inc.

#### **Vice President**

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#### **Secretary/Treasurer**

Waasy Boddison, American Plating Power

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Bill Nebiolo, REM Surface Engineering

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Mike Ware, The Boeing Company

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# Thank You to Our Partners!



## NASF Alliance Partners



**American Plating Power**, together with their partners, design and manufacture industrial power supplies—providing state of the art power supplies globally to electro chemical industries.



**Coventia** develops and supplies specialty chemicals for surface finishing in over 40 countries and 4 continents. Both captive and job shops capitalize on our innovative technology, responsive service and numerous OEM product approvals.



**Dynapower** has grown to become a global leader in the design and manufacture of custom AC and DC power supplies and custom transformers. We provide system solutions ranging in power from 10 kilowatts to 50 megawatts.



**Process Technology**, a global environmentally sustainable solutions provider headquartered in Willoughby, OH (Est. 1978), designs and manufactures world-class Industrial Heaters, Power Supplies (DC, Pulse, and Reverse), and Process Controls for the Semiconductor, Surface Finishing, Cleaning Technologies, Flat Panel Display, Photovoltaic, Aerospace, Automotive, and Medical Industries.



**MacDermid Enthone Industrial Solutions**, a business of Element Solutions Inc., designs and manufactures environmentally and economically sustainable chemical solutions. We integrate state-of-the-art chemical processes, and film solutions, with equipment to optimize the application and durability of both, metal and plastic surfaces. Our global presence and OEM approved quality programs drive our customers to attain universal consistency at the highest standards. MacDermid Enthone is the unrivalled partner of your surface finishing business.



## NASF Premier Partners



**Atotech** is a global leader in surface-finishing solutions. Through a comprehensive systems- and-solutions approach, the company delivers chemistry, equipment, and service to support diverse industries such as consumer electronics, especially mobile devices and computers; global automotive; communication infrastructure; and many other industrial end-markets.



**Corrotec Incorporated** is celebrating 40 years in business; “custom built” equipment for the surface finishing industry. Corrotec’s team of engineers, fabricators and skilled trades have earned a reputation as an industry leader by demonstrating knowledgeable designs, rugged manufacturing and superb installations of high quality finishing systems.



Do you wish tank linings would last longer? Are you frustrated with replacing “bag” liners? Only **GOAD** offers Patented (8,133,345) N-FUZE® lining technology, no weld failures—guaranteed, solid, stronger & fewer welds, double-protected corners, superior high performance Koroseal, 2-3 times service life; DuoBear® (Double Barrier) “Box” Liners; AnKorWeld® Liner-ings; Patented TANKey® Monitoring/Leak Detection and so much more!



**KCH Engineered Systems** provides air pollution control solutions to metal finishers serving aerospace, automotive, and industrial applications. Their corrosion-resistant wet scrubbers, gas scrubbers, chrome scrubbers, blowers, ductwork and mist eliminators are among the most durable and efficient on the market and are specially designed to meet or exceed client emissions requirements. KCH products are custom designed and fabricated in its Forest City, NC engineering and manufacturing facilities to ensure the maximum possible consistency and quality control. This year, KCH will be featuring their POLYSTRONG™ and POLYLAST™ materials, which offer ultra-durable construction for pollution control systems.



# NASF Executive Partners



**American CRS Equipment** offers the largest range of high-power, modular, switchmode supplies available in the industry. With units designed to meet the demanding needs of the general metal finishing, automotive, aerospace, nanotechnology, industrial waste treatment and printed circuit board customers, American CRS Equipment is proud to combine customer-specific power conversion and control interface technology with optimal "solutions, support and service."



**Haviland Products Company** offers a complete line of surface finishing chemistry, from nickel, zinc and chrome plating to anodizing and passivates—we have the technologies you're looking for. If we don't have what you're looking for, we can custom formulate it. The Surface Finishing division restarted in 1982 with a single plating process and a promise: Provide the best products possible.



**The Nickel Institute** is a nonprofit organization that represents the interests of 25 companies which together produce more than 75% of the world's annual nickel output. We promote on behalf of our members the production, use and re-use (through recycling) of nickel in a socially and environmentally responsible manner.



Built on a foundation of quality and service for over thirty years, **Palm Commodities International, LLC** is a premier international supplier of high quality specialty chemicals and metals to the surface finishing, battery, catalyst, and electronics industries.



**SIDASA Engineering** is one of the world's leading integrated surface treatment companies. Our success is driven by more than 58 years experience and our team operates responsibly, executes with excellence, applies innovative technologies and captures new opportunities for profitable growth. We develop machines to satisfy your needs in many fields of the surface treatment industry. We research for design, manufacturing and commissioning of fully automated plants.



**Univertical** has been serving the worldwide plating industry since 1938 with the highest quality, highest purity and best customer service. Our high-purity anodes, high-purity chemicals, and cyanides are in use all around the globe. You will find our products in 33 states and 18 countries.

# Thank You to Our Supporters!

## **NASF 1000 Contributors** 2019-2020 Contributors

ABCO Products  
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Accurate Precision Plating, LLC  
Acme Surface Dynamics, Inc.  
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Alco Cad-Nickel Plating Corporation  
Allied Plating Supplies, Inc.  
Anaplex Corporation  
Anoplate Corporation  
ASKO Processing, Inc.  
Automation Plating Corp.  
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BroCo Products, Inc.  
Bronson Plating Company  
Cal-Aurum Industries  
California Electroplating  
Chicago Metal Finishers' Institute  
Chrome Tech of Wisconsin, Inc.  
Columbia Chemical Corp.  
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South Holland Metal Finishing  
Superior Connector Plating  
Surface Finish Technologies  
Surface Technology Association  
SWD, Inc.  
Texas Precision Plating  
Triple Cities Metal Finishing  
TrueLogic Company  
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Philadelphia Association of Metal Finishers

Ritchey Metal Company  
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TrueLogic Company  
Viking Chemical Company

# NASF Public Policy

Promoting and advancing a sustainable future for the surface finishing industry.

The NASF supports an active government affairs program on a broad range of federal, state, and global policy issues. The association's advocacy activities directly impact decisions affecting finishing and produce direct savings and avoided regulatory costs to member companies, thereby bringing significant value to NASF members. A few examples of the association's initiatives are summarized below:



## COVID Stimulus and Relief

NASF has been active in discussions with federal agencies and decision makers on developments on COVID stimulus and relief efforts, including providing critical information to members and webinars on the Paycheck Protection Program (PPP), workplace safety and exposure issues and federal enforcement policies.

## USEPA Effluent Guidelines

EPA concluded after multi-year discussions that more stringent metals wastewater limits were not warranted for the metal finishing and electroplating industry. NASF's metals loading wastewater study and significant engagement with federal EPA water officials were critical in achieving this result.

## California Proposition 65

NASF has prepared guidance for members on complying with California Proposition 65 for metals, and worked closely with its strategic partner, the Nickel Institute, to ensure that nickel metal and insoluble nickel compounds in products do not require warning labels for consumers and the public for developmental and reproductive toxicity.

## Public Policy Priority Issue Papers

The association provides a series of one-page summaries for priority legislative, regulatory and policy issues affecting the surface finishing industry. Through these and other updates and publications, NASF members gain valuable information on the regulatory or compliance issues for their operations.

## USEPA Chromium Electroplating Air Emissions Standards

EPA promulgated a new chromium electroplating and anodizing rule that imposed more stringent emissions limits and surface tension levels and phased out the use of PFOS-based fume suppressants. NASF filed a legal challenge claiming that EPA has misapplied statutory requirements and failed to provide credible technical support for the new standard. The challenge of EPA's rule was critical for all types of surface finishing activities as the agency has attempted to expand its authority under the Clean Air Act.



# Promoting Sustainable Industry Practices

## PFAS Sampling and Analysis

NASF has developed a comprehensive sampling and analysis plan to assist members who are sampling for PFAS. In addition, NASF and its California chapters developed a model work plan to minimize the burden on facilities that are subject to the mandatory PFAS sampling order for a direct savings of over a half of million dollars to the states finishing community.

## CERCLA Financial Responsibility

The NASF GR efforts persuaded EPA to avoid expensive and unnecessary financial assurance requirements to address potential CERCLA liability for the metal finishing industry, as it has recently for hard-rock mining, petroleum, and utility industries.

## Stormwater Permits

EPA recently issued new multi-sector general permit (MSGP) for stormwater discharges from industrial sources such as surface finishing operations. NASF is currently working with EPA, the White House and allied industry coalitions to develop a more reasonable MSGP template for industry.

## Pollution Prevention Practices

NASF teamed with the National Center for Manufacturing Sciences (NCMS) on implementing a grant from EPA Region V to identify and evaluate pollution prevention (P2) practices in the surface finishing industry. The results of this effort are posted on the NASF STERC website, which includes a list of innovative P2 practices, several P2 case studies, and an update to the industry's P2 Manual, including a rinsing manual and drip calculator.

## USEPA Chemical Risk Evaluation

NASF has been active in EPA's efforts to implement new 2016 statutory requirements for chemical risk evaluation, including the development of a revised metal risk framework and participating on a small business impact panel to protect members' interests as the agency reviews specific health and environmental hazards from solvents and other chemicals.

## European Union REACH

NASF has continued to monitor developments in the EU on REACH and provide members with guidance and assistance in understanding compliance and customer requests regarding the requirements of REACH and other EU restrictions.

## State Air Toxics Initiatives

NASF has assisted finishing companies across the nation by providing critical technical and policy information on state air toxics regulations, including California, Michigan and Oregon.





## Surface Technology Environmental Resource Center:

NASF and the AESF Foundation have partnered with the National Center for Manufacturing Sciences (NCMS) and the U.S. Environmental Protection Agency (EPA) to support the Surface Technology Environmental Resource Center (STERC). This website provides relevant technical and compliance information for the surface finishing industry. NASF members have free access to the site's technical library.

## Washington Forum:

This annual "fly in" event is an opportunity to discuss industry issues and improve working relationships with lawmakers and federal regulatory officials. Members gain timely, strategic insights on that important trends and decisions for the industry and share their views directly with decision makers and industry allies.



The Government Advisory Committee (GAC) oversees the coordination of the association's advocacy efforts that affect the finishing industry, including interaction with global, federal, state, and local legislative and regulatory officials and other policy-makers and interested stakeholders.

## Government Advisory Committee

**Rick Delawder (Chair)**, SWD, Inc.

**Jim Arnold**, Arnold Law Practice

**Becky Bennett**

**LaVaughn Daniel**, Danco

**Brett Larick**, Columbia Chemical

**John Lindstedt**, Advanced Plating Technologies

**Ray Lucas**, Valley Chrome Plating

**Rich Lynch**, MacDermid Enthone

**Mitch Marsh**, Finishing Services, Inc.

**J Kelly Mowry**, Gull Industries

**Collin Peters**, Atotech

**Tony Revier**, Uyemura International

**Ambrose Schaffer**, Coventya

**Milt Stevenson**, Anoplate Corporation

**Bill Wiggins**, Automation Plating



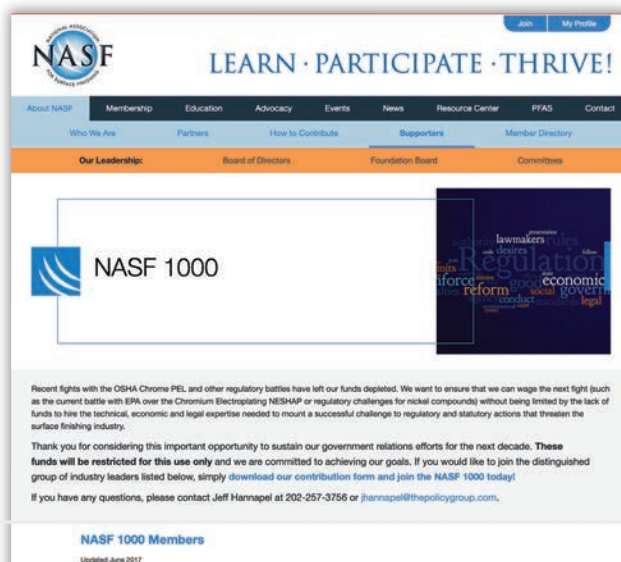
## NASF 1000:

**NASF launched the NASF 1000 campaign to provide long-term support for the finishing industry's public policy advocacy activities.**

As part of the association's "Surface Technology Initiative," the NASF 1000 is committed to keeping the industry environmentally and economically sustainable. NASF's advocacy efforts in recent years have saved our heavily regulated industry more than \$2 billion.

The NASF 1000 is a group of leaders who each make an annual contribution toward our goal of \$500,000 to restore the industry's Government Affairs Fund. NASF 1000 funds are dedicated exclusively to protecting the industry from unnecessary regulatory burdens; informing lawmakers and regulators on the challenges facing the surface finishing industry; and promoting the environmental, health and safety performance of NASF members.

**None of this is possible without robust support. Please consider an investment in the future of our industry by becoming a member of the NASF 1000.**





## NASF Keeps You Moving Forward!

### **NASF.org**

Our new website is your source for important news, upcoming world-class industry training, professional events, and regulatory information.

### **Surface Technology Environmental Resource Center**

Previously known as the National Metal Finishing Resource Center, STERC is an online resource that provides useful environmental compliance information, both historical and current - to the finishing industry.

### **AIAG Partnership**

Launched in 2017, our partnership with the Automotive Industry Action Group allows NASF members to receive complimentary membership to a key automotive industry organization that attracts automakers from around the globe.

### **PFAS Resource Center**

An online resource for everything you need to know about what PFAS is, regulatory news, and technical information for finishers, government officials and the public. See how NASF has addressed this important issue by visiting [nasf.org/pfas](http://nasf.org/pfas)!

### **The NASF Membership Directory**

Make in-depth searches online to find leading NASF job shop and supplier members. Search by products or jobs you need.

### **NASF/AESF Foundation Training**

NASF and its education arm, the AESF Foundation, offer thoughtfully developed technical courses that explore and explain the important “basics” of metal finishing as well as the latest and most impactful developments in every specialty within the field. Receive discounted member tuition to world-class training offered annually: Home Study, Classroom, Web-Based and Custom courses.

# Memberships

## Discover the Value of NASF Membership

Your membership generates a solid return on investment and supports essential programs to advance surface engineering and technology, nationally and worldwide.

NASF members who want to get the most out of membership get involved and stay involved with leaders in business and industry. Membership categories are described on the facing page.

### Advantages and Opportunities:

**PROFESSIONAL EVENTS:** Take advantage of opportunities to connect with companies and industry professionals throughout the finishing supply chain to address common issues at NASF professional events.

**ADVOCACY:** Be part of an established and highly-regarded voice promoting the finishing industry's interests on domestic and international regulation and legislation.

**TRAINING & EDUCATION:** Obtain extensive knowledge of finishing processes and receive training through NASF's education arm, the AESF Foundation, which provides in-person, web-based and customized courses for surface finishing operations of all sizes.

**RESEARCH:** Access crucial compliance information (for NASF members only) from the Surface Technology Environmental Resource Center (STERC.org), the world's most comprehensive environmental, technical and pollution prevention resource, funded in part by the EPA.

**COMMUNICATION:** Reference an extensive library of industry resources, including print and online publications, the NASF website, the NASF Bulletin, the NASF Economic Outlook, periodic webinars and news publications.

**PARTNERSHIPS:** Receive complimentary membership in AIAG - the Automotive Industry Action Group - through your NASF membership. Members benefit from a broad network of automotive industry professionals and access to important industry news.

**VOLUNTEER AND LEADERSHIP DEVELOPMENT:** Serve on a committee while you advance professionally.

## Frequently Asked Questions

### Q. What does membership cost?

A. *Cost for each membership type is found on [nasf.org/join/membership-types](http://nasf.org/join/membership-types)*

### Q. When does my membership renew?

A. *Memberships can be renewed at any time during your membership year prior to the expiration date.*

### Q. What category of membership would I fall under?

A. *To determine the type of membership that would suit you best, view the next page.*

### Q. How do I join?

A. *Joining is fast and easy; activate your membership online at [nasf.org/join/membership-types](http://nasf.org/join/membership-types)*

### Q. How do I connect with a local Chapter?

A. *Full contact information for all local Chapters is located here: [join/nasf-chapters/](http://join/nasf-chapters/)*





## NASF Membership Categories

### Corporate:

#### Job Shop

This membership category applies to businesses whose primary operations are in surface finishing. Job Shops with a Chapter in their area must become members through their local organization. Job Shops without a local Chapter can become at-large members by applying online.

#### Suppliers, Consultants and Distributors

This membership category applies to companies engaged in the manufacture, sale and/or development of equipment, materials or processes used in surface finishing. Supplier dues are based on annual sales revenue directly associated with surface finishing.

#### Associates, Captives and OEM

This membership category applies to businesses such as captive shops or OEMs that operate a surface finishing operation within their corporation that is not their sole source of revenue. Associates may also include corporations that do not perform finishing operations, but use a variety of finishes on products they supply to customers.

*\*All corporate memberships apply to all employees that the company designates on the Employee Roster Form.*

### Individual:

This membership category applies to individuals who are employed by companies that are primarily industrial users of surface finishing or who are eligible for academic, student, teacher, retiree or honorary memberships.

Individuals eligible for this category generally provide intellectual capital or technical expertise related to the surface finishing industry nationally and internationally. Anyone employed by a business that is eligible to be a Job Shop or supplier member is not eligible for individual membership.

*NASF members receive discounts on education courses. **Register 5 or more employees and get a 10% discount!***



# NASF Chapters

## CALIFORNIA

- Metal Finishing Association of Northern California Inc. (MFANC)
- Metal Finishing Association of Southern California Inc. (MFASC)

## CONNECTICUT

- Connecticut Chapter
- New England Chapter of NASF (NENASF)

## DELAWARE

Philadelphia Association of Metal Finishers

## FLORIDA

Florida Finishers Corp.

## IDAHO

Pacific Northwest Chapter of NASF

## ILLINOIS

Chicago Midwest Chapter of NASF (CMCNASF)

## INDIANA

Indiana Chapter

## MAINE

New England Chapter of NASF (NENASF)

## MARYLAND

Philadelphia Association of Metal Finishers

## MASSACHUSETTS

New England Chapter of NASF (NENASF)

## MICHIGAN

Michigan Chapter of NASF (MINASF)

## MINNESOTA

Minnesota Association of Metal Finishers (MNAMEF)

## MISSOURI

St. Louis Midwest Chapter of NASF

## NEW HAMPSHIRE

New England Chapter of NASF (NENASF)

## NEW JERSEY

- Masters' Association of Metal Finishers, Chapter of NASF
- Philadelphia Association of Metal Finishers

## NEW YORK

Masters' Association of Metal Finishers, Chapter of NASF

## OHIO

Ohio Association of Metal Finishers (OAMF)

## OREGON

Pacific Northwest Chapter of NASF

## PENNSYLVANIA

- Masters' Association of Metal Finishers, Chapter of NASF
- Philadelphia Association of Metal Finishers

## RHODE ISLAND

New England Chapter of NASF (NENASF)

## SOUTH CAROLINA

Palmetto Southeast Chapter (PSNASF)

## TEXAS

Texas Association of Metal Finishers (TAMF)

## VERMONT

New England Chapter of NASF (NENASF)

## VIRGINIA

Philadelphia Association of Metal Finishers

## WASHINGTON

Pacific Northwest Chapter of NASF

## WASHINGTON D.C.

Philadelphia Association of Metal Finishers

## WISCONSIN

Wisconsin Chapter of NASF



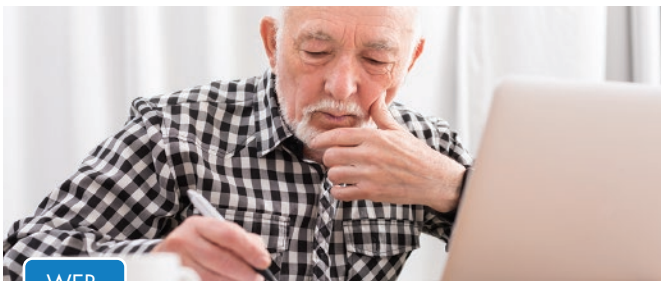
# AESF Foundation

## A Non-profit Organization Serving as NASF's Training Arm

The Foundation's three core areas are education, research and scholarship. AESF Foundation was formed in 2006 and offers several distinct learning platforms: Classroom Courses, Web-Based Courses, Home Study Courses and Custom Courses, which are tailored to the individual needs of public and private entities.

AESF is the gold standard in finishing industry education and the exclusive grantor of industry certifications from basic CEF (Certified Electroplater Finisher) to MSF (Master Surface Finisher).

### Choose from 4 Study Platforms:



WEB-BASED

#### Web-Based Courses:

- Foundation courses in a series of web-based sessions
- Live, online interaction with NASF/AESF Foundation instructors and other industry experts
- Sessions take place on pre-determined Tuesdays & Wednesdays between 12:00 PM and 2:00 PM EST
- Session recordings are available to students for 30-days after the original posting date



HOME STUDY

#### Home Study Courses:

- Begin a Home Study anytime and at your own pace
- Hard copy materials include lessons and homework
- Technical Education Director responds to questions about material, grades, homework and offers suggestions to improve work
- Proctored exams at your location are also available



CLASS ROOM

#### Classroom Courses:

- Live interaction with instructor in a classroom setting
- Instruction takes place over 2-4 days (add 1 day for optional exam)
- Taught in select locations throughout the U.S.



#### Custom Courses:

- Design your course to meet your company's needs
- Mix and match 110 available course modules
- No travel required; we come to you
- Host a course at a time of your choosing

*For additional information regarding NASF/AESF Foundation training and education, visit [NASF.org/education](https://NASF.org/education) or contact Matt Martz, Education and Membership Director at [mmartz@nasf.org](mailto:mmartz@nasf.org).*

# Custom Courses

– from Design to Delivery!

## Foundation Custom Courses are the single most effective way to:

- **On-board** new employees quickly and efficiently
- **Train existing** workers in new skills or specialties, and
- **Update** employee knowledge in operations areas such as pollution prevention and energy conservation.

They are a high-value opportunity for those who want to earn CEF, CAF, or MSF certification – the “gold standards” for finishing industry education worldwide.

## We've Made “Custom” . . . Convenient!

Foundation Custom Courses are developed to suit the sponsoring company or government entity and its objectives. You specify the location, the dates, and the attendees, and we do the rest. Our instructors are all experts in their field, with substantial experience in communications and training – and great enthusiasm for their subject specialties!

Courses are 2-4 days in length and are crafted from a broad menu of subjects. Each module takes 45 minutes to 1.5 hours to complete; one day is typically 5-6 modules. Companies create their agenda by selecting lessons from the 12 Foundation Courses.

Discover the efficient, convenient, and reasonable cost option of AESF/NASF Custom Courses.

Whether your “student” population is 3 or 300, it is a proven, effective way to improve the knowledge, confidence and productivity of workers at all levels of expertise. Contact Matthew Martz at (202) 527-0252 or [mmartz@nasf.org](mailto:mmartz@nasf.org).



# Become Certified

Students can achieve multiple levels of certification through the education foundation. Starting with the Certified Aerospace Finisher (CAF) and Certified Electroplater-Finisher (CEF) exams, students can progress to Master Surface Finisher (MSF) by passing five of the additional exams listed below. As they pass exams, students will have a number assigned to their title to signify their progress.

## Certified Aerospace Finisher (CAF)

Complete Parts 1 & 2 of the Airline & Aerospace Finishing course and pass the CAF Exam

## Certified Electroplater-Finisher (CEF)

Complete Parts 1 & 2 of the Electroplating and Surface Finishing course and pass the CEF Exam

## Master Surface Finisher (MSF)

Individuals pursuing their MSF designation will complete a total of six exams:

### Primary: (Choose 1)

Airline & Aerospace Finishing (CAF)  
Electroplating & Surface Finishing (CEF)

### Core: (Choose 3)

Aluminum Finishing  
Chromium Plating for Engineering Purposes  
Electroforming  
Electroless Deposition  
Precious Metals Plating  
Zinc & Zinc Alloy Plating

### Secondary: (Choose 2)

Corrosion & Salt Spray  
Environmental Stewardship: Pollution Prevention  
Environmental Stewardship: Wastewater Treatment

