



## Certified Training

### TRAINING IS ESSENTIAL

The SIFCO Process® is an advanced electroplating technology. A formal, structured study of the process and equipment to be used is essential for success. SIFCO ASC has created a series of training programs designed to meet specific customer needs. Effective training provides the knowledge and instills the confidence required by all operators. The prospective operator should be able to thoroughly carry out instructions, complete simple formulas and have the desire to learn new techniques. Experience in evaluating electroplate deposits' quality and adhesion are a plus.

Hands-on experience under the guidance of a SIFCO ASC certified instructor will prove to be invaluable when returning to the workplace. The operator will be able to recognize the signals of potential problems and learn the necessary actions to correct them. In each training class, operators will have the opportunity to discuss company specific applications and exchange information with fellow classmates.

All students who successfully complete the SIFCO Process® training programs are awarded a SIFCO Process® Certificate of Demonstration, an electronic version of the comprehensive, illustrated SIFCO Process® Instruction Manual, all training materials used and a 6 inch scale.

### WHO SHOULD ATTEND

SIFCO Process® training is beneficial for operators, engineers, machinists, mechanics, welders and supervisory staff. Technicians and machinists typically have the attributes for becoming a successful SIFCO Process® operator. Supervisors taking the course will develop a working knowledge of the process and will be able to manage operators and assist as necessary. Additionally, engineers will benefit from the technical aspects of the course.

### TRAINING CENTERS

- ▶ Training programs are offered throughout the year at our Headquarters in Independence, Ohio, USA.
- ▶ SIFCO ASC Certified Trainers are also available for on-site training programs.

REV 3/19

### SIFCO ASC IS YOUR SOURCE FOR MANUFACTURER CERTIFIED TRAINING

#### AVAILABLE PROGRAMS

- ▶ Basic Training
- ▶ Cadmium/Zinc-Nickel Certification Training
- ▶ CD Cadmium/Zinc-Nickel Recertification
- ▶ Recertification Training
- ▶ Qualification Training
- ▶ On-site Training



#### US Headquarters

5708 E Schaaf Road  
Independence, Ohio 44131, USA

- T +1 800 765 4131
- +1 216 524 0099
- F +1 216 524 6331
- E [info@sifcoasc.com](mailto:info@sifcoasc.com)

# Certified Training

## BASIC TRAINING COURSE

A two to four day course providing comprehensive instruction in the use of the SIFCO Process® for operators requiring certification in accordance with military and commercial specifications. The course consists of 8 to 12 hours classroom work introducing basic plating theory and practice and includes:

- ▶ Safety considerations
- ▶ Electrochemical aspects of electroplating
- ▶ Plating anode design
- ▶ Plating calculations
- ▶ Surface preparation of base materials
- ▶ Operation of a power pack
- ▶ Use of solutions including selection, application and post-usage care
- ▶ Job set-up and cost estimation

The remainder of the course is devoted to hands-on plating experience, focusing on plating technique and specific customer applications. Completion of this course meets the vendor training requirements of AMS 2451, MIL-STD-2197 (SH), and MIL-STD-865.

## CADMIUM/ZINC-NICKEL CERTIFICATION COURSE

The two day session is specifically targeted toward plating cadmium for OEM and O&R applications. It is designed to evaluate, through written, oral, and practical examinations, the operator's ability to produce satisfactory plating using the SIFCO Process® for cadmium plating onto steel, stainless steel and NiAlBrz base metal. This program meets the annual operator requirements of AMS 2451 and MIL-STD-865.

## CD CADMIUM/ZINC-NICKEL RECERTIFICATION

This is an Instructional computer based CD program to re-certify previously trained operators for plating SIFCO Process® Cadmium LHE® 5070, No-Bake 2023, or Zinc-Nickel LHE® 4018/5970 solutions onto parts and components manufactured from high strength steel, stainless steel or NiAlBrz and where hydrogen embrittlement is a concern.

## RECERTIFICATION COURSE

A one to two day program designed to re-evaluate, through written, oral, and practical examinations, the operator's ability to produce satisfactory plating using the SIFCO Process®. This program meets the annual operator recertification requirements of AMS 2451 and MIL-STD-865.

## ON-SITE TRAINING

On-site training by SIFCO ASC personnel is available throughout the year. A lead time of 3 weeks is required for scheduling any of our training programs or specialized consultations.

## CONTACT US

For more information, please contact the Training Manager at 800.765.4131 or inquire through [info@sifcoasc.com](mailto:info@sifcoasc.com).

## QUALITY IS ASSURED

When you use the SIFCO Process® you can be assured of quality at every step. Great care is taken in the manufacture of products used in the SIFCO Process®. From the receipt of raw materials to the packaging of final products, a comprehensive quality assurance program is utilized. SIFCO ASC products meet the quality standards of:

- ▶ MIL-I-45208A
- ▶ ISO 9001:2015/AS9100D

## SPECIFICATIONS MET

- ▶ AMS 2451
- ▶ MIL-STD 865
- ▶ MIL-STD 2197 (SH)
- ▶ BAC 5854, BAC 5664, BAC 5849
- ▶ SS 8443, SS8481
- ▶ PCS 2141
- ▶ LGPS 1102, LGPS 1107
- ▶ DPS 9.89
- ▶ and more

## US Headquarters

5708 E Schaaf Road  
Independence, Ohio 44131, USA

- T +1 800 765 4131
- +1 216 524 0099
- F +1 216 524 6331
- E [info@sifcoasc.com](mailto:info@sifcoasc.com)