

WORKSHOP INFORMATION

Description: This three-day intensive workshop familiarizes participants with the equipment, systems and techniques of spray finishing. Topics include surface preparation, equipment types, evaluation and spray applications associated with industrial finishing. The latest technologies are explored. Each student has ample opportunity for hands-on application of coatings with several types of spray tools.

Location: Carlisle Fluid Technologies, Toledo, Ohio. Start-up information, a map, hotel and transportation details will be provided to all participants.

Workshop Fee: \$595 includes all instructional materials, daily lunches and lab supplies.

Lodging: A special lodging package is available to workshop participants at the Holiday Inn Express. The rate for rooms is \$99 per day plus tax. Call (419) 214-4700 and refer to the SFW package plan when making reservations. Reservations must be made at least 14 days prior to the workshop date to receive discounted rate. The hotel is less than 10 minutes from the workshop site.

Hours: 8:30 a.m. to 4 p.m. daily.

Safety: A charcoal cartridge-style respirator and safety glasses must be worn during each hands-on session. Participants may bring a proper respirator or purchase a DeVilbiss MSP-521 on site for \$40 (cash or check only). Safety glasses are also available. In this workshop you will be in brief contact with common finishing materials and solvents. If you have a potential health problem associated with contact with these materials or with wearing a respirator, you should consult with a physician before you register.

Refunding Policy: Companies may substitute participants without penalty. Refunds for cancellation or transfer to a later workshop will be made as follows:

Refund	Cancellation Time
100%	11 or more working days before start date
50%	5 to 10 working days before start date
0%	Less than 5 working days before start date

A minimum enrollment exists. You may wish to purchase refundable airline tickets.

Contact: Jaime Wineland
 Workforce and Community Services, Owens Community College
 P.O. Box 10,000, Toledo, OH 43699-1947
 Phone: (567) 661-7320 or 1-800-GO-OWENS, Ext. 7320
 Fax: (567) 661-7662, E-mail: jaime_wineland@owens.edu



A workshop for...

- Painters, Supervisors, Process Engineers & Managers
- Painting Contractors
- Spray Painting Equipment Maintenance Personnel
- Spray Painting Equipment Distributors
- Coating Products Suppliers

Get answers to these questions...

- How does a spray gun work?
- How do I properly set up a pressurized system?
- How do I solve equipment and finish defect problems?

WORKFORCE AND COMMUNITY SERVICES

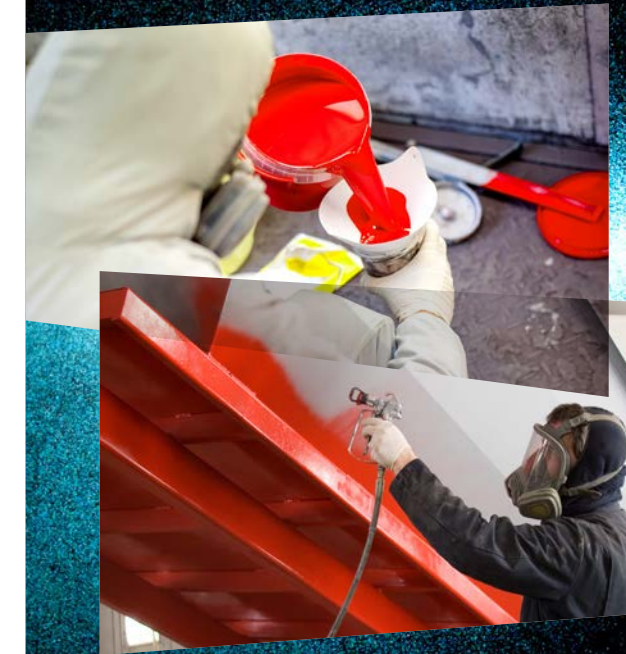
P.O. Box 10,000
 Toledo, OH 43699-1947



OWENS
 COMMUNITY COLLEGE

2021 SPRAY FINISHING
 TECHNOLOGY WORKSHOPS

Spray Finishing Technology Workshops 2021



March 3-5

May 5-7

September 8-10

November 3-5

Space is limited

ENROLL NOW!

Presented by:

Carlisle Fluid Technologies



OWENS
 COMMUNITY COLLEGE



FIRST DAY

IN THE CLASSROOM...

Spray System Components

- Conventional: Suction, Gravity, Pressure Feed
- HVLP: Suction, Gravity, Pressure Feed
- Airless and Air Assisted Airless Systems: Heated, Circulating, Automatic

Conventional System Components

- Compressors
- Spray Booths
- Air Makeup
- Spray Guns
- Hoses and Connections

Safety

- Operator
- Finishing Area
- Procedures
- MSDSs

Surface Preparation

- Substrate Pretreatment: Metal, Wood, Plastics
- Pretreatment Defects

Theory of Atomization

- Air Cap Analysis
- Fluid Tip Analysis

Operator Technique

IN THE SPRAY LAB...

Paint Preparation

- Viscosity
- Coverage

Operation of Conventional Systems

- Suction
- Gravity



SECOND DAY

IN THE CLASSROOM...

Ten Steps to a Quality Finish Systems Analysis

- Airless Tip Analysis
- Pressure Feed
- Pumps
- Heaters
- Circulating Systems
- Automatic Sprayers

Air Dryer Devices

- Centrifugal
- Coalescent
- Desiccant, In-line

Paint Preparation

- Viscosity
- Shear
- Coverage
- Ergonomics

IN THE SPRAY LAB...

Operation of Airless Equipment

Operation of Pressure Feed Equipment

- Spray Guns
- Pressure Pots
- Hose and Tank Cleaners
- Heaters



THIRD DAY

IN THE CLASSROOM...

HVLP System Analysis

- History
- Air Requirements
- Material Savings
- VOC Reduction
- Cup and Tank Requirements
- Spray Gun Evolution

Electrostatic System Analysis

- Equipment
- Application

Surface Defects

- Identification
- Correction

Trends in Coating Materials

- Waterborne
- High Solids
- UV Cured
- Powder

Environmental Impact

- Transfer Efficiencies
- Waste Disposal
- Trends in Equipment Design

Equipment Troubleshooting and Maintenance

Paint Line Calculations

IN THE SPRAY LAB...

Operation of HVLP Equipment

- Suction
- Pressure
- Gravity

Spray Gun Maintenance and Repair

Registration Form for Spray Finishing Technology Workshops 2021

- March 3-5
- May 5-7
- September 8-10
- November 3-5

Name _____

Social Security #* _____

Company Name _____

Birthdate _____

Address _____

City _____

State _____ Zip _____

Daytime Telephone _____

E-Mail _____

Fax _____

Evening Telephone _____

Method of Payment

- Check or money order enclosed (made payable to Owens Community College)
- Company purchase order enclosed P.O. # _____

P.O. Billing Address _____

If paying by credit card, please call Jaime at (567) 661-7320.

Return to:

Owens Community College
c/o Workforce and Community Services
P.O. Box 10,000, Toledo, OH 43699-1947

Or call (567) 661-7320 or 1-800-GO-OWENS, Ext. 7320,
fax (567) 661-7662 or e-mail jaime_wineland@owens.edu

***We ask for your Social Security number to inform you of potential tax credits for continuing education.**