



## 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:** Lodging is available to workshop participants at the Holiday Inn Express. The rate for rooms is \$119 per day plus tax. Call (419) 214-4700. 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. 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

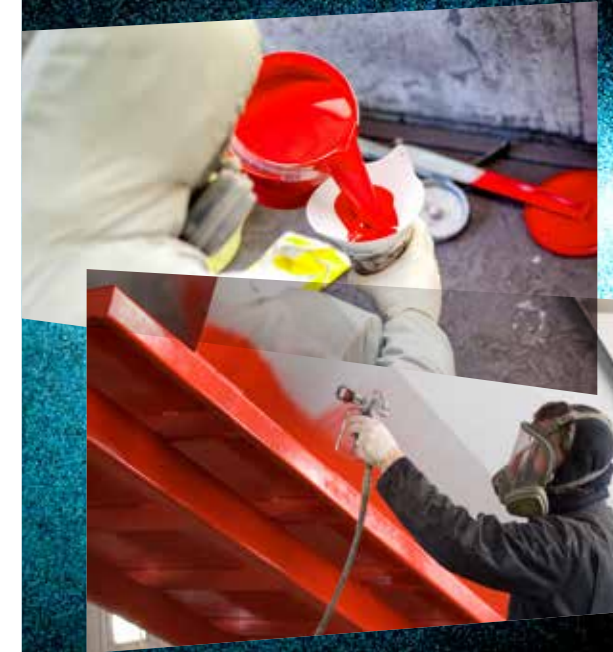
P.O. Box 10,000  
Toledo, OH 43699-1947



OWENS  
COMMUNITY COLLEGE

2022 SPRAY FINISHING  
TECHNOLOGY WORKSHOPS

# Spray Finishing Technology Workshops 2022



March 2-4

May 4-6

September 7-9

November 2-4

Space is limited  
**ENROLL NOW!**

PRESENTED BY:



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
- SDS

#### 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 2022

- |                                    |  |
|------------------------------------|--|
| <input type="checkbox"/> March 2-4 | <input type="checkbox"/> September 7-9 |
| <input type="checkbox"/> May 4-6   | <input type="checkbox"/> November 2-4  |

Name \_\_\_\_\_

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](mailto:jaime_wineland@owens.edu)