



**WORKFORCE AND COMMUNITY SERVICES**

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

**OWENS**  
COMMUNITY COLLEGE

**A workshop for...**

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

WORKFORCE AND COMMUNITY SERVICES

# SPRAY FINISHING TECHNOLOGY WORKSHOPS 2017

Space is limited  
**Enroll Now!**

**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?



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# SPRAY FINISHING TECHNOLOGY WORKSHOPS 2017

March 1-3 • May 10-12 • Sept. 13-15 • Nov. 1-3



**Learn about a broad spectrum of spray finishing equipment and techniques applicable to many levels of experience!**

## Classroom Highlights

- Suction, Gravity & Pressure Feed Systems
- HVLP
- Airless
- Low & High Pressure Pumps
- Electrostatics
- Surface Preparation
- Finish Defects
- Air Filtration
- Paint Preparation
- Trends in Coating Products
- Safety & Environment
- Troubleshooting
- Maintenance

## Spray Lab Highlights

- Paint Preparation
- Suction, Gravity & Pressure Spraying
- Airless Spraying
- HVLP Spraying
- Gun Maintenance
- Equipment Demonstrations

**Presented by:**

Binks Devilbiss



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# 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



**Register Now!**

Content of this workshop is subject to change without notice.

# 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:** The workshop is held at Finishing Brands, A Carlisle Company, Toledo, Ohio, easily reached by air to Toledo or Detroit, or by car via the Ohio Turnpike or Interstate 75. 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](mailto:jaime_wineland@owens.edu)

## Registration form for Spray Finishing Technology Workshops 2017

March 1-3       May 10-12       September 13-15       November 1-3

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](mailto:jaime_wineland@owens.edu)

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