

SPRAY FINISHING TECHNOLOGY WORKSHOPS - 2011 -

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?



OWENS
COMMUNITY COLLEGE



WORKFORCE AND COMMUNITY SERVICES
P.O. Box 10,000
Toledo, OH 43699-1947

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Address service requested

A workshop for...

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

Presented by:
Binks Devilbiss

SPRAY FINISHING TECHNOLOGY WORKSHOPS - 2011 -

March 9-11 • May 18-20 • Sept 7-9 • Nov 9-11

**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

NESHAP-Sub Part HHHHHH

Training and certification for those who need it:

- Paint stripping operations
- Spray application of coatings
- Application of coatings that contain: (Cr), (Pb), (Mn), (Ni), (Cd)



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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 brochure 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 the ITW Ransburg Training Center, 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 Ramada Hotel & Conference Center. The rate for rooms reserved at least 14 days before the workshop start date is \$70 per day plus tax. Call (419) 535-7070 and refer to the spray finishing workshop package plan when making reservations. 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.

Information/Registration: Contact Jaime Wineland, Owens Community College, Workforce and Community Services Division (contact options below).

Contact: The Workforce and Community Services Division at Owens Community College, P.O. Box 10,000, Toledo, OH 43699-1947. Or call (567)661-7320 or 1-800-GO-OWENS, Ext. 7320 or fax (567)661-7662 or e-mail jaime@owens.edu

Registration form for Spray Finishing Technology Workshops 2011

March 9-11 May 18-20 September 7-9 November 9-11

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 _____

Bill my: MasterCard VISA Discover American Express

Credit Card Number _____ V code _____ Exp. Date _____

Return to: The Workforce and Community Services Division at Owens Community College, 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@owens.edu

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