

FEBRUARY 2018

THE BLASTING & PAINTING INDUSTRY BULLETIN



# PRIMED



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## Fix your unskilled workforce problem

**Comprehensive training to ensure your team are experts in safety and productivity**

BlastOne has developed a unique Performance<sup>3</sup> Training as well as partnered with SSPC and NACE to elevate your team's productivity.

2018 Training programs offered:

1. NEW! Performance<sup>3</sup> Blast and Coating Essentials
2. SSPC C6, C7 & C12 Training and Certification
3. SSPC Train-the-Painter Training Program
4. NACE CIP Levels 1 & 2 Coating Inspector Training

Armed with additional training from long-term industry experts, your workforce will be able to ensure your jobs are done profitably and on time.

## TESTIMONIAL

### DALRYMPLE BAY COAL TERMINAL, SITE MANAGER

*"One of the most informative courses I've done. Everyone in that room came away with new knowledge."*

# Expert training to ensure superior performance from your team

Formal training can often slip between the cracks when working under tight job deadlines.

But training shouldn't be just a baton hand-off from the previous blaster or painter on their last day on the job.

BlastOne is determined to make quality training accessible to workers in the field, and raise the level of performance industry-wide.



NEW DEDICATED TRAINING CENTER AT BLASTONE HQ IN COLUMBUS OHIO

## NEW Performance<sup>3</sup> Blast and Coating Essentials

Coming in April 2018

The Performance<sup>3</sup> Blast and Coating Essentials training program is specifically designed to train your team to the industry standards and raise their current skill to the next level.

Some of the course outcomes are:

- Learn the most effective blasting methods
- Read a paint data sheet, mix paint and spray according to the specifications
- Spray the correct film thickness and different spraying techniques
- Troubleshoot and perform maintenance on blast and paint equipment
- Understand climatic conditions, adhesion, WFT, DFT and how to control dust levels
- And much more, in only 3 days



ONSITE TRAINING USES YOUR JOBSITE AND EQUIPMENT TO ENSURE YOUR TRAINING WORKS FOR YOU

## FREE TRAINING!

### First 10 clients to sign up for training

- Register online – [www.blastone.com/training](http://www.blastone.com/training)
- Limit one employee per company

**DATE: APRIL 16TH-18TH**

**LOCATION: COLUMBUS, OH**

**Further details will be sent upon registration**



# Win more job bids with SSPC and NACE industry certifications



Top-notch training at BlastOne's new facility in Columbus



## SSPC ACCREDITATION ASSURES THE PRACTICAL QUALITY OF ABRASIVE BLASTING AND PAINTING

It gives tradesmen the recognized qualification they need to endorse their skills.

This globally recognized comprehensive qualification was developed to improve and verify the proficiency of abrasive blasters and paint applicators within the protective coatings industry.

The painting and blasting trade now can proudly boast its own global recognition.

### UPCOMING COURSES IN COLUMBUS

#### SSPC C7 ABRASIVE BLASTING CERTIFICATION

Designed to certify contractor personnel in surface preparation principles and techniques

**Duration:** 2 days **Prerequisites:** 800 documented hours blasting

**When:** March 19th-21st 2018, November 5th-7th 2018

#### SSPC C12 SPRAY APPLICATION CERTIFICATION

Designed to certify contractor personnel in spray painting application and techniques

**Duration:** 2 Days **Prerequisites:** 800 documented hours spraying

**When:** March 22nd-24th 2018, November 8th-10th 2018

#### SSPC C6 SURFACE PREPARATION AND PAINT APPLICATION

For power tool cleaning and brush and roll paint applicators

**Duration:** 2 days **Prerequisites:** 150 hours experience

**When:** October 17th-18th 2018



## NACE COATING INSPECTOR PROGRAM

For over 30 years, NACE has been training Coating Inspectors around the world, and it continues to provide training and curriculum that produces top-notch inspectors for the industry.

CIP introduces the basics of corrosion control, paint inspection, and project management to any relevant workers in the field: inspectors, applications, blasters, manufacturers, owner's representatives, specifiers, and technical salesmen.

### UPCOMING COURSES IN COLUMBUS

#### NACE CIP 1 COATING INSPECTOR

Specifically designed for coating inspector trainees

**Duration:** 6 days **Prerequisites:** No prerequisites for this course

**When:** May 6th-11th 2018

#### NACE CIP 2 COATING INSPECTOR

CIP Level 1 inspectors seeking CIP Level 2 knowledge or certification

**Duration:** 6 days **Prerequisites:** Successful completion of CIP Level 1 training

**When:** May 13th-18th 2018



## TRAIN THE PAINTER PROGRAM

SSPC Train-the-Painter is an innovative and unique coating applicator training program written and developed by industry experts.

The training material gives a comprehensive look at all aspects of surface preparation and coating application.

### UPCOMING COURSES IN COLUMBUS

#### TRAIN-THE-PAINTER – PROTECTIVE COATINGS APPLICATOR

Designed to train a new applicator the right way to blast and paint from the outset

**Duration:** 5 days **Prerequisites:** No prerequisites for this course

**When:** April 2nd-6th 2018

**LIMITED SEATS AVAILABLE**  
**Call to schedule today!**

# NEVER STOP LEARNING

## Compressor size - what you should know

### Overstating the air a compressor can supply is the biggest trap

If an air compressor is undersized for a blasting project it can result in loss of profits for the contractor. This is why selecting the correct compressor size is so important.

#### A GOOD AIR COMPRESSOR IS AN ESSENTIAL PART OF YOUR BLASTING SYSTEM

You need to consider a number of factors when selecting a compressor, such as how much air is required per blast nozzle, breathing air for blasters, air tools, air dryers etc. For example, if you are blasting with a #6 or #7 nozzle you will need at least 400 cfm at 125 psi.

**Remember: 1 psi pressure drop = 1.5% efficiency loss.**

A bigger compressor might cost more to rent and use more diesel but the increase in blasting efficiency far exceeds the extra cost.

*See page 424 of the BlastOne catalog for a nozzle consumption chart.*



TYPICAL BLASTING COMPRESSOR

## Eye safety is clear with genuine inner lenses

### Protect your workers and you'll be protecting yourself

The inner lens is the only part that is designed for safety. The outer lens and the tear-off lens are designed to protect the inner lens from abrasion but not for operator safety. With no inner lens your eyes and face could be in danger.

#### THE INNER LENS OF A BLAST HELMET IS YOUR LAST LINE OF DEFENSE!

The inner lens should be able to withstand airborne debris striking the lens. To test the Nova™ Series helmet inner lens, a 1/4" ball bearing was fired at the lens at a speed of 330km per hour (200mph)! After being subjected to this impact, the Nova™ Series inner crystal lens did not puncture.

In recent years many blasters have decided not to use an inner lens because it takes as long as 3 minutes to install on most helmets. To combat this, BlastOne released the RPB Nova 3 blast helmet. The Nova 3 inner lens can be changed in just 30 seconds.

#### IT'S SO EASY! INNER LENSES CAN BE INSTALLED AND CHANGED IN TWO STEPS

##### "30 Second Swap" Nova 3 Inner Lens System

The patented Nova 3 inner lens system reduces downtime to a minimum. The procedure is quick, clean and easy – even while wearing blasting gloves.



**A** Simply unclip the lens frame and remove it from the helmet.



**B** Remove the old lens and replace it with a new lens. Clip the frame back into place!



## How can you spray tough epoxy coatings easier in cooler weather?

### The plural component sprayer is your answer

Ultra High Build (UHB) coatings are typically Amine epoxies, have a 2:1, 3:1, or 4:1 mix ratio, are 95% to 100% volume solids, have a pot life of 20-45 minutes at 25°C, and are applied to a coating thickness gauge (DFT) of 500 - 3000 microns.

These coatings are often applied as tank linings, on marine structures, structural steel, and as various other protective coatings with a long (10+ years) service life requirement.

Ultimately, the best solution for spraying UHB coatings is a plural component sprayer.

### FOUR KEY ADVANTAGES OF A PLURAL COMPONENT SPRAYER:

1. No pot life problems
2. Product heating for reduced viscosity
3. Reduction in material waste
4. Elimination of off-ratio mixing



**GRACO XP70 PLURAL-COMPONENT SPRAYER**

High-pressure performance for two-part high-solids coatings

## PRIMED INSIGHTS

### TIPS AND TRAINING FROM BLASTONE

Did you like the tips above? BlastOne is always striving to help you increase your job site performance and gain an edge over the competition.

The team at BlastOne want to share their industry tips with you through weekly Primed Insight emails.

These handy video tips identify common questions and insights for the blasting and painting industry.

From how to install whipchecks correctly to testing for dust contamination, we've got the know-how!

**Subscribe to the weekly Primed Insight emails at**  
[www.blastone.com/insights](http://www.blastone.com/insights)



# SSPC 2018 – New Orleans, LA

A brief look at major takeaways from the January exhibit

## INDUSTRY UPDATE

One of the main focuses at the show was around robotics. Fewer workers want to stand at the end of a blast nozzle these days, which has driven interest in robotic solutions. With more robotic technologies being showcased each year, this sector in the industry promises to a focal point for continual innovation in years to come.

Technical presentations and general discussions at the show focused primarily on creating a quality surface profile, which will extend coating life.

## NEW PRODUCTS

As always, one of the biggest highlights in these shows is to see the latest product developments. Below are a few of the show stoppers from the floor of the Morial Convention Center.

Many of these already in distribution, while others remain in active development. We welcome queries for additional information on any of these products.

### The Tornado has XL'd

BlastOne showcased the new Tornado XL, a sandblasting machine that boasts twin spinning nozzles. This machinery can be mounted on a cart, boom lift, or track. It's ideal for blasting tank floors and other large flat surfaces. It can be broken down to fit through a 24" diameter manway.



### The Automated RoboBox

BlastOne is pleased to announce we have perfected the art of follow-the-surface blasting with the RoboBox. Ideal for blasting large vertical surfaces like tank exteriors, ship hulls, and much more. The unit also features a built-in vacuum recovery system that keeps the workspace clean and safe for other work happening in the area.



### The King has returned...

Graco has released a new model of pneumatic airless sprayers. The model features improved icing performance, higher exhaust capacity, and a streamlined design to ensure easy maintenance and repair. It's built to endure the most demanding environments, and applies the toughest coatings with ease.



### Introducing the Bulk Amphiblast

Schmidt released a MegaBlaster bulk pot with wet blasting capability. This simple, practical piece of equipment provides contractors with the flexibility to dry blast, wet blast, wash down, or blast air out of any nozzle.



# Pipe fabricator converts extreme safety liability to thriving blasting hub



## BACKGROUND

CB&I's blast booths were in a state of disrepair that proved problematic to worker safety and production. The doors to the blast booths didn't operate properly and their exhaust system was choking the airflow, putting enormous strain on their dust collector equipment.

## OBJECTIVE

CB&I wanted to find a way to strategically upgrade their existing facilities to address safety concerns and regulations, improve air ventilation, and increase production—without having to tear down and completely replace their existing booths.

## SOLUTION

BlastOne designed and implemented a plan to upgrade CB&I's current facilities in a way that would comply with safety standards, improve working conditions, and increase the facilities' durability.

The upgrades to the facilities included:

- Newly installed doors to keep blasting environment isolated
- Exhaust plenums designed to increase airflow in the booth
- BlastWhite sheeting to extend their facility life by another 5-10 years
- Reduced debris collection in light fixtures to improve visibility

## RESULTS

CB&I is extremely pleased by the results of the project.

**The upgrade saved them over \$500,000** by not having to completely replace their blast booths.

Their dust collection improvement changed the visibility in the booth. The upgrades solved their safety concerns and produced a significant boost to blasting throughput.



BLASTONE'S PROPRIETARY AIR INLET PLENUMS DRASTICALLY INCREASED AIRFLOW CAPACITY IN THE BOOTH AND REDUCED MOTOR STRAIN ON THEIR DUST COLLECTOR



THE NEWLY-INSTALLED BLAST WHITE SHEETING HELPED IMPROVE VISIBILITY WITHIN THE BOOTH WHILE ALSO INCREASING THE OVERALL LIFE OF THE BOOTH

# Do you know BlastOne stocks all this and much, much more?

## IBIX POT EASYBLAST 6

Make your blasting job easier with this highly portable sand blasting system made from aluminum and weighs only 27lbs (12kg).

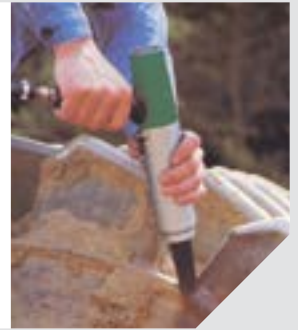
See page 257 of the new BlastOne catalog for details



## NEEDLE SCALERS

Used for fast cleaning and descaling of heavy encrustation and surface buildup. Multiple cleaning needles follow surface contour. Air powered required is 6 cfm (optional electric version also available).

See page 256 of the new BlastOne catalog for more information



## ROTOR BLAST

Internal pipe blasting tool with very large, twin nozzle spinning blast heads. Suitable for pipes 30"-60" (750 mm - 1500 mm) ID.

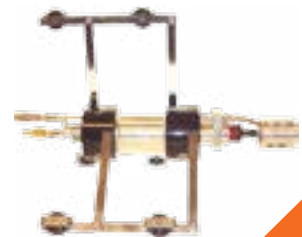
See page 250 of the new BlastOne catalog for more information



## ROTOR SPRAY III

This internal pipe coating unit is suitable for heavy industrial coatings for pipes 12"-35" (300 mm - 875 mm) and is 3600 psi rated.

See page 253 of the new BlastOne catalog for more information



LOOK!

## DEFELSKO GAUGES

DeFelsko is the world leader in instruments for industrial coating applicators. Their new range allows you to just switch out the probes - not the brains - saving you \$1000s/gauge.

See page 310 of the new BlastOne catalog for information



## BV 100 BLAST AND VAC HEAD

The BV 100 Blast and Vac head is the largest workhead available. It is typically used for blasting flat surfaces and the wheels help the applicator to hold on the surface.

See page 265 of the new BlastOne catalog



## BLAST SUIT

Designed to enhance worker comfort and protect the worker from abrasive rebound. Breathable material keeps the operator consistently cool and heavy duty nylon protects the front of the body and arms.

See page 240 of the new BlastOne catalog



## WHIPCHECK SAFETY CABLE

Designed to keep your workers safe by preventing a hose from 'whipping' around if a connection point becomes detached.

See page 139 of the new BlastOne catalog



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