

574-256-5001 or 1-800-832-5653



**Electronics Inc.**  
**Shot Peening Control**

**Control Products for Shot Peening  
and Blast Cleaning Processes**

[Home](#) | [About Us](#) | [Contact Us](#) | [Distributors](#)

- [Shot Peening](#)
- [Blast Cleaning](#)
- [Almen Products](#)
- [Products](#)
- [Documents](#)
- [Shot Peening Training](#)
  - ▾ [Workshops](#)
  - ▾ [Exams & Certificates](#)
  - ▾ [On-Site Training](#)
  - ▾ [FAA Inspector Training](#)
  - ▾ [PRI Partner in Education](#)
  - ▾ [Instructor Biographies](#)
- [EI News](#)
- [The Shot Peener Library](#)

[Contact Us](#)

## Canada Agenda

**US Shot Peening Workshop**  
**April 28-29, 2010**  
**Toronto, Canada**



## Useful Links

- [General Information](#)
- [Topics / Agenda](#)
- [Registration Form](#)
- [Hotel Information](#)
- [Exhibitor Information](#)
- [The Shot Peening Achievement Exam Program](#)

### Wednesday, April 28th Agenda

Start	End	Dura	Classroom
7:30	8:30	60 min	Check-in and Continental Breakfast
8:30	9:00	30 min	Welcome and <u>Introduction to Shot Peening</u> (Level 1)
9:00	9:40	40 min	<u>Peening Coverage</u> (Level 1)
9:40	10:10	30 min	<u>Basics of Media</u> (Level 1)
		20 min	Morning Break
10:30	11:10	40 min	<u>Intensity Basics</u> (Level 1)
11:10	11:40	30 min	<u>Saturation Curve Practice</u> (Level 1)
11:40	12:30	50 min	Shot Peen Applications with Emphasis on Gearing
		45 min	LUNCH
1:15	2:00	45 min	<u>Wheel Blast Machine Design</u> and Maintenance
2:00	2:45	45 min	Automated Air Blast and Process Control
		10 min	Afternoon Break 1
2:55	3:35	40 min	<u>Roto-Flapper Peening Fundamentals</u>
3:35	3:50	15 min	Level 1 Exam Preview
		10 min	Afternoon Break 2
4:00	5:00	60 min	Level 1 Exam
5:00	6:00	60 min	<u>Roto-Flap Peening Practical</u>

Although we've made every attempt to provide an accurate schedule, times and courses are subject to change in case of circumstances beyond our control. [Click for a list of EI Education Division Instructors](#)

### Thursday, April 29th Agenda

Start	End	Dura	Classroom
7:30	8:30	60 min	Continental Breakfast
8:30	9:00	30 min	Level 1 Exam Review
9:00	9:45	45 min	<u>Media Maintenance and Inspection</u> (Level 2)
9:45	10:35	50 min	<u>Peening Coverage and Masking</u> (Level 2)
		15 min	Morning Break
10:50	11:40	50 min	<u>Advanced Intensity</u> (Level 2)
11:40	12:20	40 min	<u>Advanced Saturation Curve Practice</u> (Level 2)
		45 min	LUNCH
1:05	1:55	50 min	Challenging Peening Applications
1:55	2:45	50 min	Residual Stress Measurement
		10 min	Afternoon Break 2
3:00	3:30	30 min	Level 2 Exam Preview
3:30	5:00	90 min	Level 2 Exam & Roto-Flapper Peening Exam
5:00	5:30	30 min	Level 2 Exam Review (may start earlier if all exams are in)

Although we've made every attempt to provide an accurate schedule, times and courses are subject to change in case of circumstances beyond our control. [Click for a list of EI Education Division Instructors](#)

### Course Descriptions

Course	Description
Advanced Intensity (Level 2)	What factors affect intensity? What must you do to achieve and maintain consistent intensity? How do you perform intensity confirmations (daily or weekly checks)? (Includes Nadcap Audit Preparation)

Peening Applications and Benifits	This supplemental course explores the effects of peening of various materials and explains how some products are enhanced with the process.
Basic Intensity (Level 1)	The basics of what Intensity is in the peening process and why it is important to maintain. This topic will also cover the primary method of measuring intensity levels in standard and unique applications.
Basics of Media (Level 1)	Description of types and applications of media. Reference to new media specs and in-use media specs.
Introduction to Shot Peening (Level 1)	The basics to shot peening. Origins are discussed and terms are defined.
Media Maintenance and Inspection (Level 2)	Specifications, inspection methods and maintenance of media are covered. (Includes Nadcap Audit Preparation)
Peening Coverage (Level 1)	This class will discuss the basics of what coverage is and why it is important to monitor. Too little or too much coverage can either minimize the peening benefit or damage the part.
Peening Coverage with Masking (Level 2)	Learn the relationship between coverage and fatigue life. How much coverage is enough? This process allows data collection which can be archived for Nadcap review. Some applications call for areas of the part to have no coverage so masking is needed. (Includes Nadcap Audit Preparation)
Roto-Flapper Peening	<p>Fundamentals: This class describes how peening can be applied on repaired parts with flapper equipment used with rotary tools.</p> <p>Practical: This hands-on session is for those taking the Flapper Peening Exam where students must demonstrate proper flapper peening techniques outlined in the lecture.</p>
Saturation Curve Practice (Level 1 and Level 2)	This interactive class helps students generate their own saturation curves. At the end of this session each student should be able to accurately determine the intensity level of a peening application.

Wheel Blast Machine Design  
and Maintenance

This class examines the design of a basic wheel blast machine and common adjustments to obtain desired results for a blast cleaning or peening process. This session also discusses common wear issues and preventative maintenance of wheel blast machines.

©2010 Electronics Incorporated - 56790 Magnetic Drive - Mishawaka, Indiana 46545  
Phone: 574-256-5001 / 800-832-5653 - Fax: 574-256-5222

[Sitemap](#) • Site Credits: [Ecreativeworks](#)