

# LIGHT<sup>®</sup>

**ADVANCED MANUFACTURING TRAINING**  
BY ADVANCED MANUFACTURERS

**LEARNING INSTITUTE FOR THE  
GROWTH OF HIGH  
TECHNOLOGY<sup>®</sup>**

In the  
Carl E. Jones Learning Center

[WWW.LIGHT-TRAINING.COM](http://WWW.LIGHT-TRAINING.COM)



**PENN UNITED**  
TECHNOLOGIES INC.

## VISION

To develop L.I.G.H.T. to be a lasting entrepreneurial training and consulting organization that strives to achieve the highest standards and be a model by which employees, customers, suppliers, other businesses, and the community measure excellence.

## STAFF

We can provide "the best" training because of our team of outstanding instructors and subject matter experts who are daily on the shop floor, remaining current on the best methods of application in Advanced Manufacturing. You can find their biographies on our website [www.light-training.com](http://www.light-training.com). Let us put their knowledge to work for you!

L.I.G.H.T. staff members play a very active role in their communities through participation on boards and committees such as the National Tooling and Machining Association (N.T.M.A) and the National Institute for Metalworking Skills (N.I.M.S.) Expert Panel.

## FACILITIES



The Learning Institute for the Growth of High Technology (L.I.G.H.T.) is a 17,000 square foot manufacturing training center located at the main campus of Penn United Technologies in Western Pennsylvania. L.I.G.H.T.'s primary focus is to assess, design and develop manufacturing training programs to meet the needs of our customers and employees. Inside the Learning Institute are three classrooms and four labs equipped with the most up-to-date manufacturing machinery and state-of-the-art equipment. We also have a cutting edge computer lab offering the most current version of SolidWorks and MasterCam software.

## SERVICES

Penn United Technologies and L.I.G.H.T. are dedicated to providing world-class Advanced Manufacturing Training for internal and external customers. We recognize that to produce world-class products, manufacturers must focus on the continuous training of their workforce. Whether it is teaching a four-hour class or a 200-hour course, preparing a visual aid or a manual, the same quality effort goes into the development and delivery of each job.

We offer basic and advanced manufacturing training with a selection of 37 courses and a growing selection of metalworking seminars and workshops. We provide customized training tailored to specific customer requirements. We also provide consultation assistance on a wide range of services spanning from metalworking to quality & lean manufacturing, to safety and more. Our programs give customers the knowledge and skills to achieve optimal results in precision metal manufacturing. We offer training at our location or we can come to you!

## COURSES & SEMINARS\*

- Abrasives and Grinding Wheels
- Carbide Grinding
- CNC Programming
- Customizable Apprenticeship Programs
- Design for Manufacturing
- Die Maintenance
- Introduction to Machining
- Jig Grinding
- Lean Manufacturing
- Machining for Engineers
- Maintain Progressive Stamping Dies
- Manual and/or CNC Grinding
- Manual and/or CNC Machining
- Milling Applications
- Quality and Measurement
- Safety Audits
- Progressive Stamping Technology
- Surface Grinding Applications
- Turning Applications

\*Check our website for course descriptions

[www.light-training.com](http://www.light-training.com)

## BUREAU OF APPRENTICESHIP TRAINING APPROVED (BAT)

Toolmaker	~	5 years
Precision Machinist	~	4 years
Press Technician	~	3 years
Quality Assurance Technician	~	3 years

## INTERNAL PROGRAMS

Plating Technician	~	3 years
Carbide Finish Grinder	~	4 years
Carbide Performer	~	3 years



Kresta L. Saluga - 2009 LIGHT Graduate  
Journeyman, Precision Tool and Die Grinder

*"The Light Center, at Penn United Technologies, has truly been instrumental in our success as a tool shop at Westinghouse. Their instruction to Tool Makers on tools, tips, techniques and the like have measurably improved our shop productivity. Thank You!"*

*~ Wendell Joyner -  
Westinghouse Electric Company*

## **SIGNIFICANT ACHIEVEMENTS**

We at L.I.G.H.T. are dedicated to attain an equal balance between classroom knowledge and hands-on application to ensure our qualified technicians meet the demands of our customers. In addition to standard instruction and proficiency measurements, L.I.G.H.T. incorporates National Institute for Metalworking Skills (NIMS) projects and Manufacturing Skill Standards Council Certification (MSSC) giving them nationally recognized portable credentials. L.I.G.H.T. also qualifies Quality Assurance apprentices using A.S.Q.'s Certified Quality Technician program.

- 1998: Apprenticeship training programs approved by Bureau of Apprentice Training
- 1999: L.I.G.H.T. ribbon cutting
- 2000: First 50 apprentices graduate
- 2003: L.I.G.H.T. incorporates N.I.M.S. into training curriculum
- 2004: L.I.G.H.T. receives the Clips and Clamps Industries Educational Institutional Award from the P.M.A.
- 2005: L.I.G.H.T. registers its first competency-based apprenticeship program
- 2005: L.I.G.H.T. hosts its first N.T.M.A. National Apprentice Competition
- 2006: L.I.G.H.T. apprentice earns 1st place in Regional and National N.T.M.A. CNC apprentice competition
- 2006: L.I.G.H.T. graduates the nation's first N.I.M.S. Certified Machinist
- 2006: L.I.G.H.T. achieves 100 N.I.M.S. credentials
- 2007: L.I.G.H.T. graduates the nation's first N.I.M.S. Certified Stamping Journeyman
- 2007: L.I.G.H.T. hosts the Regional and National N.T.M.A. Apprentice Competition
- 2007: L.I.G.H.T.- Building 9 was rededicated the Carl E. Jones Learning Center in memory of Penn United Technologies, Inc. Co-Founder, President and CEO.
- 2008: L.I.G.H.T. receives the A.R. Hedberg Training and Education Award from the P.M.A.
- 2010: Partnership with MSSC and Butler Community College and launch of Certified Production Technician Certification System
- 2010: Partnership Established with Tooling U adding Web-based Training



### Contact Us:

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ISO 9001:2008 Certified  
FDA Registered

