



ELANTAS University

ELANTAS PDG, Inc.

St. Louis, MO USA

ABOUT ELANTAS UNIVERSITY

ELANTAS PDG, Inc. is committed to providing the best customer technical support in the electrical industry. As part of this program, we are proud to announce new modules available for ELANTAS University lab training.

ELANTAS University lab training is a unique opportunity to see state of the art equipment and materials demonstrated on your own parts or test parts, at no cost to you. Each program is customized to your needs and is geared towards 2-4 people per session. The hands-on lab experience and related technical demonstrations are ideal for engineers (new or established with new responsibilities), technicians, and materials personnel. Typical sessions are 1-2 days with lunches and dinner provided.

If you are interested, please contact our Technical Service Representative or your Area Sales Manager.

If you are interested in training that is not listed, please inquire, as we are constantly updating our training to better serve our customers.

ELANTAS UNIVERSITY LAB TRAINING MODULES

Resin Application

1/2 day—2 days

Explore the use of various resins using application techniques such as trickle, roll-thru, and dip, in combination with curing methods. Examine the curing methods of UV, induction, resistance, and convection and receive hands-on experience with each. Work with chemistries that can include unsaturated polyester resins with VT or acrylate, waterbornes, epoxies, and epoxy emulsions. See the impact on electrical and mechanical properties demonstrated. Learn how to troubleshoot the final product by observing the impact of good and bad techniques.

Meter Mix Potting and Casting

1/2 day—1 day

Explore the process of potting and casting electrical components using meter mix equipment. Examine techniques such as proper vacuum, mixing, static mix tubes, temperature, mix ratio impact, and other important factors for successful application. Observe potting under vacuum. Learn how to troubleshoot the final product by observing the impact of good and bad techniques.

Environmental and Safety

1 hour—2 hours

Learn how to understand and read a Safety Data Sheet (SDS). Review proper safety equipment and handling of hazardous material. Discuss the transportation and storage of hazardous material. Examine the requirements of TSCA, RoHS, and REACH.



Tank Sampling and Maintenance Program

2 hours

Discover how to maintain a VPI or dip tank through an understanding of key parameters. Follow the process of how adjustments are determined and the impact they have on the tank. Discuss unsaturated polyester, waterborne, and epoxy tanks.

ELAN-Film™ HT-180 Flexible Electrical Insulation

1 hour—2 hours

Observe a demonstration of the physical properties of ground insulation. Explore the uses for insulation and how ELAN-Film™ HT-180 compares to other materials in the marketplace. Learn about the technology behind ELAN-Film™ HT-180 flexible electrical insulation.

Conformal Coating

1/2 day—1 day

Observe the use of Asymtek coater with various spray heads to apply conformal coatings to PCB substrates. Work with chemistries that include polyurethane, acrylics, epoxy, melt resin, and UV curable. Examine the curing methods of UV, thermal, and air dry depending on the chemistry utilized. Explore coating methods such as spray, dam and fill, and dip coating.

Vacuum Pressure Impregnation (VPI)

1/2 day—1 day

Observe the drastic effects of variables such as temperature, pressure, dwell time, and vacuum on the VPI process. Work with epoxy, polyester, and copolymer systems. Examine the benefits of using dry vacuum or wet vacuum.

UL Systems

1 hour—2 hours

Review the UL process and how it applies to systems you currently use as well as creating new systems. Discuss UL1446 and UL94 as it pertains to electrical testing. Observe a demonstration of the motorette, chemical compatibility, and flame testing.

ELANTAS PDG, Inc.

Today, ELANTAS PDG, Inc. is recognized as the premier global supplier of specialty polymers for the electrical and electronic industries. ELANTAS PDG, Inc. is a member of ALTANA's ELANTAS Electrical Insulation Division based in Wesel, Germany.

With the support of ALTANA and by working with other ALTANA divisions, we offer a unique global approach to research, manufacturing, and service that translates into more creative solutions, dependable supply, and consistently high quality.

Many ELANTAS PDG, Inc. products are recognized as components of electrical insulation systems in accordance with UL 1446. ELANTAS PDG, Inc. is registered to ISO 9001:2000 and ISO/TS 16949:2002– Second Edition.

ELANTAS PDG, Inc.

5200 North Second Street
St. Louis, MO 63147 USA

Tel 314.621.5700

Fax 314.436.1030

info.elantas.pdg@altana.com

www.elantas.com



A member of  **ALTANA**