

TRAINING

PowerElectronic



Improve troubleshooting skills to maximize uptime

PowerElectronic training provides classes focused to your specific needs, reducing your training investment and making your electricians more effective in a shorter amount of time.

Today's printing presses are more technologically advanced than ever before, requiring your electrical staff to increase their knowledge of advanced electronic components, PLC/Drive systems, and networking.

This program will increase your electrical technician's ability to effectively troubleshoot faults and maintain the health of your equipment.

How it works

Trainees will gain an understanding of the electronic components in your press, learning their functionality and how to quickly and effectively troubleshoot faults.

Increased knowledge of your PLC and drive system will positively impact their troubleshooting skills but also the overall health of the printing system. Trainees will learn how to monitor the drive system and look for conditions and faults that effect product quality and press run ability. If left undetected, faults such as these could result in unplanned component failures and press downtime.

Today's press systems use complex communications networks to send information and signals from one component to another. With an understanding of the network architecture, your electricians will diagnose press faults faster, increasing your press uptime.

Trainees will have the opportunity to gain hands-on troubleshooting experience by troubleshooting simulated press faults in manroland's state-of-art training center. This controlled setting will allow your Electricians to practice their new knowledge and skills and become comfortable with applying them in the production environment.



Introductory Seminar

Introduction to the manroland system architecture. Trainees learn system components, functionality and communication networking.

Certification Seminar

Structured content that develops the trainee over multiple sessions. Trainees build theoretical and practical knowledge resulting in increased troubleshooting skills.

Custom Seminar

Content is created specifically to your needs. Courses can be delivered in our state-of-the-art training center or at your facility.

Seminar Focus Areas

PLC & Drives

- Overview of electrical drawings and service documentation
- Functional description of safety equipment
- Overview of the communication bus systems
- Instructions on function, operation and diagnostics of the communication controller
- Main drives
- Auxiliary drives (ink fountain roller, dampening fountain roller)

PECOM

- Function, operation, diagnostics of components
- Instructions on calibration functions and test programs
- Control of ink fountain roller, dampening fountain roller
- Testing of folder functions
- Central encoder
- Test programs
- Practical exercises
- PPM

Benefits

- Increased press uptime
- Improved ability to troubleshoot press faults
- Improved ability to work remotely with manroland's TelePresence service

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