



The L3 PX FAMILY Operator Training Class teaches each student proper and effective use of the PX product line. This interactive, self-paced course teaches the student how to properly use the various features of the L3 PX FAMILY machines. As a result of this training, the student will understand the machine's controls and be able to use the imaging options to correctly identify prohibited items. An on-screen simulation tests each student's knowledge by requiring them to interpret X-ray images from an extensive image library.

## Key Features

- Realistic simulation of machine
- Individualized, self-paced instruction
- Secure records management system
- Detailed training reports
- Flexible design

## Key Benefits

- Cost Effective - Safe and cost effective way to simulate use of the machine.
- Results Oriented - Custom simulation sessions focus on student needs to increase performance.
- Automated Remediation - Custom remedial training based on test performance.
- Efficient - Use the training anytime, anyplace and at the student's own pace.
- Reliable - Standardized training and accurate training data.
- Flexible - Modify the testing and images to meet local requirements.

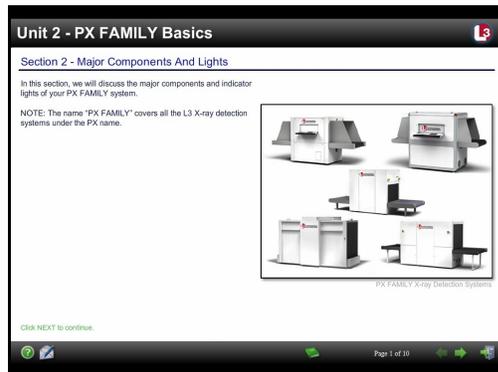
## Course Topics

**X-ray Basics** – Teaches the basic principles of X-rays and the safety precautions that must be observed while operating the machine.

**PX FAMILY Basics** – Teaches the student about the major components and power controls that make up the machine.

**Image Controls** – The student will learn how to use the touchpad, toolbar icons, and threat overlays to interpret an X-ray image.

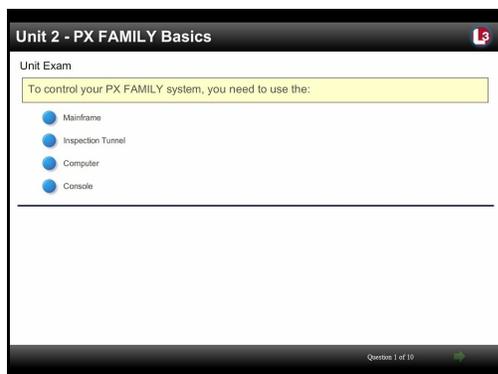
**PX FAMILY Operation** - Teaches the student how to power-up and power-down the system, test the system before scanning items, and resolve basic system problems. The student must demonstrate understanding of the basic scanning steps and procedures.



Operator Course Screen



Lab Exercise Screen



Unit Exam



## Simulation

**X-ray Interpretation Practice** – Each student can practice their X-ray interpretation skills using an on-screen simulation of the system. The X-ray image library in the simulation contains both innocent and threat items. The industry specific image library will expose the student to a variety of threat items. The student will improve their skills by advancing through three levels of difficulty based on image complexity and orientation of the threat.

As each student works through practice sessions, a sophisticated algorithm monitors and tracks actions and decisions made for each image. Upon completion of a practice session, the algorithm determines if the student had difficulty correctly responding to any X-ray images. Based on the student’s performance, subsequent practice sessions are tailored to meet the specific training needs of the student. This leads to more efficient and effective training, which results in higher detection rates and lower false alarm rates.

**Ongoing X-ray Interpretation Training** – The X-ray library contains a large number of threat items. The key to high hit rates and low false alarms rates is to have the skills to effectively recognize real threats. To do this, each student must develop knowledge of what a wide variety of threats look like under X-ray. The more different types of threats a student sees during training, the better prepared he will be to identify these threats in an operational setting. Trainers can also tailor training sessions to focus on specific threats of concern for their organization. The large image library of threats and the adaptive algorithm provide an effective way to continuously increase the detection skills of each student.



Simulation Course Screen

### Courseware Specifications

Applications:

Initial, Recurrent

Delivery Options:

CBT, ILT, WBT

Estimated Seat Time:

Operator Course: 2-4 Hours

Simulator Course: 4-8 Hours\*

Image Libraries:

CBS

Languages:

Arabic, English

\* Ongoing image interpretation practice is highly recommended to ensure screener proficiency.

