



PRODIGY PREVENTATIVE MAINTENANCE COURSE Online Training Course

Course ID: SP163-167E

ITW EAE Learning

Our eLearning courses are specifically designed to provide engaging and interactive learning opportunities for operators, technicians, engineers and/or managers to be introduced to or build upon the knowledge and skills needed to successfully operate, maintain, program, or troubleshoot their CAM Prodigy equipment. Online courses are designed to cover beginning and intermediate competencies and should be mastered before considering more advanced, in person training. Courses require a reliable internet connection and can be viewed at your own pace on your phone, tablet, or pc laptop.

Course Overview:

This is a must-take course for any technician responsible for preventative maintenance on a Camalot Prodigy machine. A separate module is dedicated to each recommended maintenance time interval and covers step-by-step instructions on how to complete each of the recommended maintenance tasks, helpful tips, and the required tools and spare parts to have on hand.

Prerequisites:

- Prodigy Safety Information & Guidelines (SP129).
- Dispensing Basics (SP127) OR a basic understanding of dispensing.
- Machine Overview (SP128) OR an understanding of the Prodigy dispenser.

A basic understanding of dispensing and how to operate the Prodigy dispenser is required to perform preventative maintenance on the machine, as you will be using the diagnostics menu to control the machine.

Time Requirements: 2-3 hours

Assessments: Quizzes

Language: English

Learning Objectives:**Module 1: Preventative Maintenance Overview**

- The main parts of a Prodigy dispenser related to preventative maintenance.
- The difference between calendar maintenance and cycle-dependent maintenance.
- The importance of inspection, cleaning, parts replacement, and lubrication.
- Performing maintenance includes the task for the specific interval as well as more frequent intervals.
- The importance of planning for preventative maintenance (tools, materials, and parts required).

Module 2: Daily Preventative Maintenance

- Cleaning the Needle Cleaner Assembly.
- Cleaning the Purge Station (or Optional Weight Scale).
- Cleaning the Pre-Dispense Station.
- Cleaning the Needle Detector (Option).
- General Interior and Exterior Cleaning.

Module 3: Weekly & Monthly Preventative Maintenance

- Inspect Hood Gas Springs (Weekly).
- Inspect the Air Regulator and Filter (Monthly).
- Inspect and clean the Gantry X & Y Axis Linear Rails (Monthly).

Module 4: Semi-Annual Preventative Maintenance



- Inspection of the main air filter bowls
- Inspection of the interlock switch
- Testing the E-stop and power buttons
- Testing the light tower and audible alarm
- Running Windows updates and anti-virus scans

Module 5: Annual Preventative Maintenance



- Inspection and cleaning of the print head carriage
- Inspection and cleaning of the squeegee Z assembly
- Inspection and cleaning of the vision X linear rail

For more information and pricing, please contact ITW EAE at training@itweae.com.