

CENTURION PREVENTATIVE MAINTENANCE COURSE Online Training Course

Course ID: SP138-SP143



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 Vitronics Centurion 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 Vitronics Centurion reflow oven. 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:

- Centurion Safety Information & Guidelines (SP131)
- Centurion Machine Overview (SP132)
- Centurion Basic Operations Course (SP133, SP134, SP135, SP136)

A basic understanding of reflow soldering and how to operate the Centurion oven is required to perform preventative maintenance on the machine, as you will be using the diagnostics menu to control the machine.

Time Requirements: 2-2.5 hours **Assessments:** Quizzes **Language:** English/Spanish

Learning Objectives:

Module 1: Preventative Maintenance Overview



- Categorize preventative maintenance tasks under inspection, cleaning, part replacement, lubrication, and oil refill
- Understand that Centurion ovens require calendar-based maintenance
- Know how to access the maintenance function of the Centurion software
- Acknowledge that identifying a potential issue during the cleaning process requires the issue to be addressed
- Understand the importance of having components such as gaskets, seals, tubing, and others on hand before performing maintenance

Module 2: Semi-Monthly Preventative Maintenance



- Clean input/output board sensors
- Clean and check the conveyor and conveyor width
- Clean bottom and top heaters
- Clean the tunnel sealing, check chain lubrication level and clean cooling zone heat exchangers
- Clean keyboard and monitor, clean N2 curtains and clean N2 baffle box
- Clean blower top/bottom cooling zones

Module 3: Monthly Preventative Maintenance



- Check the exhaust filter box

Module 4: Quarterly Preventative Maintenance

- Clean venturi air exhaust
- Check slot exhaust without cathox
- Clean width adjustment and drive shafts

Module 5: Semi-Annual Preventative Maintenance

- Check gearbox width adjustment
- Check chain lubrication and conveyor drive chain
- Check the conveyor tension
- Check in/out feed fume capture and exhaust rate customer exhaust
- Check pipe work
- Check hood fans and fans electrical box

Module 6: Annual Preventative Maintenance

- Clean cooling system

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