

# HP IHPS T260 Inkjet Web Press: Service and Support



This is a lecture style and hands on course that combines the one-week operator training with the two weeks focused on repair, maintenance and troubleshooting of the HP Color Inkjet web Press.



**Course Title:** HP IHPS T260 Inkjet Web Press;  
Service and Support

**HP Product Number:** H4K18

**Category:** Graphics/IHPS

**Course Length:** 15 Days

**Delivery Language:** English

**To Order:** Graphics Arts AMS Training at  
[amsgraphicstraining@hp.com](mailto:amsgraphicstraining@hp.com) or 877-415-3222

## Audience

- Field Service Engineers

## Prerequisites

- Student must bring laptop with them to class
- Background in printing technology (traditional press operation, prepress, graphic design)
- Basic computer skills
- Electrical safety training
- Experience working with high voltage equipment (480V)
- Experience putting high voltage equipment into a safe state and checking the state of the machine using a meter.
- Experience working in electrical enclosures
- Understanding of voltage, amperage, resistance and safety
- Ability to use a multi-meter
- Experience with electrical schematics and symbols
- Computer literacy: Installing programs on a computer
- Computer networking basics
- Plumbing skills
- Understanding of pneumatics and pneumatic symbols and drawings
- Must complete Lockout/Tagout (SAH0452) course in Grow@hp
- Must complete ARC Flash Hazard Webinar ID: 00678508 in Grow@hp

## Course Objectives

By the end of this class you will be able to:

- Complete scheduled maintenance procedures
- Describe the functions of components unique to the inkjet system such as ink storage and delivery, ink characteristics, the use of bonding agents, and print heads
- Describe when and how to access additional support
- List safety issues associated with the press in general and specific procedures
- List the names, locations, and functions of all major components of the press
- Perform advanced troubleshooting on the press
- Perform basic operational tasks such as startup/shutdown, loading/unloading paper rolls, webbing and tensioning the press, priming and replacing print heads
- Perform basic troubleshooting on the press and describe when and how to access additional support
- Perform maintenance and repair tasks
- Troubleshoot system-wide issues
- Use the operational software
- Achieving optimum print quality by understanding the machine's capabilities
- Enhance the longevity of press components by performing preventive maintenance tasks
- Improve overall performance and print quality
- Machine stability and dependability by performing routine maintenance, on schedule and according to prescribed procedures
- Productivity while minimizing waste and maximizing consumable life by monitoring the printing process, recognizing output problems and implementing the appropriate actions
- Reduce press down time by quickly and accurately diagnosing problems and finding solutions

## Course Outline

The course includes the following modules:

### Week 1 Operator Course

#### **Module 1: Welcome**

- Class Logistics
- Course Materials
- Course Overview

#### **Module 2: Safety Overview**

- E-stop locations and proper use
- General Safety Guidelines
- Personal protective equipment
- Press access
- Safe cleaning practices
- Visual checks for leaks
- Material Safety Data Sheets
- Ergonomic hazards
- Electrical hazards

#### **Module 3: Printheads and Inks**

- Printheads
- Inks
- Bonding Agent

#### **Module 4: Operational Overview**

- Major Components
- Paper Path
- Computer Systems
- Operator Controls

#### **Module 5: Operator Controls**

- Control Panel Locations
- Navigation
- Major Functions

#### **Module 6: Tensioning**

- Load Cells
- Operator Controls
- Automatic Tension Adjustment

#### **Module 7: Basic Startup**

- Pre-startup safety checks
- Mechanical hazards
- Startup Procedures
- Calibration Procedures

### **Module 8: Basic Shutdown**

- Shutdown Procedures
- Powering Down

### **Module 9: Winders**

- Loading/Unloading HP Winders
- Loading/Unloading Hunkeler Winders

### **Module 10: Ink Delivery**

- Personal Protective Equipment
- Special Precautions for Bonding Agent
- Electrical hazards
- Handling Leaks
- System Overview
- Changing Ink Containers

### **Module 11: Printheads**

- Printhead Health
- Printhead Handling
- Removal and Replacement
- Press access
- Servicing

### **Module 12: Troubleshooting**

- Support Services
- Printhead Diagnostics
- In-Line process controllers
- Checking Printhead Weight

### **Module 13: Maintenance**

- Preventive Maintenance Schedule
- Procedures

### **Module 14: Loading and Configuring a Print Job**

- Job Management Software Overview
- Color Profiles
- Job Configuration
- Control Marks

### **Module 15: HP T350 (Optional Module)**

- HP T300/T350 Comparison
- T350 Operation

### **Module 16: Recap and Conclusion**

- Operator Control Panel Review
- Self-Evaluation Checklists

## **Course Outline**

Course Evaluation

### **Week 2-3**

#### **Module 1: Introduction**

#### **Module 2: Safety**

- Locate E-Stops
- How to place press in a safe state
- Describe hazards and how to avoid injuries

#### **Module 3: System Overview**

- Identify electronic PCA boards and functions
- Describe data flows
- Describe major DFE components and functions

#### **Module 4: Networks**

- Describe network components and the functions
- Access and use network host tables
- Troubleshoot network connectivity issues

#### **Module 5: Fiber Optics**

- Identify types of fiber optic cables used on the press
- Test and Clean FO connectors

#### **Module 6: TOF**

- Troubleshoot Top of Frame system

#### **Module 7: Print Encoder**

#### **Module 8: Troubleshooting Tools**

- Navigate electrical drawings
- Locate & use indicator lights in troubleshooting faults
- Print & interpret print diagnostics
- Use system diagnostic utilities

#### **Module 9: DFE**

- List components of the DFE and describe their functions

#### **Module 10: Paper Path**

- Perform a load cell calibration
- Adjust pneumatic settings on EMT winders

#### **Module 11: Arch Hardware**

- Describe the major components of Print Engine Station (PES)
- Describe the adjustments and maintenance tasks at the PES
- Perform a pen to paper adjustment

**For more information:**

**Contact :**

877-415-3222

**Email address**

[amsgraphicstraining@hp.com](mailto:amsgraphicstraining@hp.com)

**Module 12: Firmware**

- Access and upgrade SerDes board firmware
- Access and upgrade Gauntlet board firmware trainer

**Module 13: Servicing**

- List and describe basic printbar servicing commands
- Program a SVS service board
- Troubleshoot Printbar issues

**Module 14: Logistics**

**Module 15: Dryers**

- List and describe common repair procedures

**Module 16: Winders**

- Describe major components and functions
- Common adjustment procedures

**Module 17: Spare Parts**

**Module 18: Ink Delivery System**

- Recommended PPE an associated hazards
- Describe ink delivery path
- Flow sensor adjustment

**Module 19: In Line Controller**

- Identify major components and functions
- Access and interpret alignment data
- Access and interpret controller data
- Shutdown and restart applications and computers in the in line controller system

**Module 20: Conclusion**

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