

# HP IHPS T4xx Inkjet Web Press; Basic Operator



The course covers the basic operational procedures including safety and basic troubleshooting. This is a highly interactive course where participants will experience the operation of the press.



## Audience

- Press operators
- Maintenance technicians
- Engineers

## Prerequisites

- Background in printing technology (traditional press operation, prepress, graphic design) and basic computer skills desired
- Ensure that your operator knows your press and options
- Candidates should possess the qualities described in the HP Inkjet Web Press Operator Candidate Selection Criteria

**Course Title:** HP IHPS T4xx Inkjet Web Press;  
Basic Operator

**HP Product Number:** HK392

**Category:** Graphics/IHPS

**Course Length:** 5 Days

**Delivery Language:** English

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

## Course Objectives

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

- List the names, locations, and functions of all major components of the press
- Describe functions unique to the inkjet system such as ink storage and delivery, ink characteristics, the use of bonding agents, and printheads
- Perform basic operational tasks such as startup/shutdown, loading/unloading paper rolls, webbing and tensioning the press, priming and replacing printheads
- Use the operational software
- Complete scheduled maintenance procedures
- Perform basic troubleshooting on the press and describe when and how to access additional support
- List safety issues associated with the press in general and specific procedures
- Achieving optimum print quality by understanding the machines capabilities
- 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
- Achieving optimum print quality by understanding the machine's capabilities

## Next Steps

HK393 - HP IHPS T4xx Inkjet Web Press; Train to Maintain

## Course Outline

The course includes the following modules:

### **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: Recap and Conclusion**

- Operator Control Panel Review
- Self-Evaluation Checklists
- Course Evaluation

**For more information:**

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877-415-3222

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