

HP T400 Simplex Color Inkjet Web Press: Basic Operator



This is a lecture-style and hands-on course introducing the fundamentals of the HP T400 Simplex Color Inkjet web press. 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.



Course Title: HP T400 Simplex Color Inkjet Web Press: Basic Operator

HP Product Number: H4K25

Category: Graphics/IHPS

Course Length: 10 Days

Delivery Language: English

To Order: Graphics Arts AMS Training at amsgraphicstraining@hp.com or 877-415-3222

Audience

- Press Operators
- Maintenance Technicians
- Engineers
- Others requiring operational knowledge of press operation

Prerequisites

- Candidates should possess the qualities described in the HP IHPS Operator Candidate Selection Criteria guide
- Have a background in printing technology (traditional press operation, prepress, graphic design) and basic computer skills help students excel and are preferred, but are not necessary
- Please insure that your operator knows which press and options you have for the class they are attending

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 the functions of components 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

Trained HP Color Inkjet Press Technicians will positively influence press reliability by:

- Reduce press down time by quickly and accurately diagnosing problems and finding solutions
- Enhance the longevity of press components by performing preventive maintenance tasks
- Improve overall performance and print quality

Next Steps

- H4K26 - HP Simplex 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

Module 10: Ink Delivery

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

Module 11: Printhead Handling

- Major components and functions
- Appropriate handling procedures
- Cleaning and storage

Module 12: Printhead Replacement

- Remove and replace
- Service routine

Module 13: Printhead Diagnostics

- Common printhead issues
- Locating faulty printheads from diagnostics
- Labeling faulty printheads for return

Module 14: In-line Process Control

- Accessing and using data from the In-Line Process Controller

Module 15: Support Services

- Accessing HP support services

Module 16: Preventive Maintenance

- Scheduled operator maintenance procedures
- Preventive maintenance system log
- Preventative maintenance reminders
- Accessing the scheduled maintenance and log pages

Module 17: Load and Configure a Print Job

- Job Submission Tool functionality
- Loading and configuring a job for printing
- Using the Job Reprint option
- Using the Variable Printing Speed Option

Module 18: Recap and Conclusion

- Self-Evaluation Checklists
- Learning Check
- Course Evaluation

For more information:

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