

# HP Indigo 7xxx Digital Press; Service and Enrichment



**Course Title:** HP Indigo 7xxx Digital Press;  
Service and Enrichment

**HP Product Number:** HK301

**Category:** Graphics/Indigo

**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



## Audience

HP Internal and HP authorized channel partners/distributors

## Prerequisites

- HP Indigo 7xxx Digital Press; Service and Repair – HG417
- Please dress appropriately for the training sessions the training/pressrooms are cold.
  - Closed-toe shoes (safety shoes are recommended)
  - Long sleeve cotton shirt (Level 2 and higher)
  - Long cotton pants (all Levels)

## Course Outline

The course includes the following modules:

| Topics Covered   | HG417 | HK301 | HK296 | HH260 | HK297 | U8516 | HK382 | Series 4 |
|--|-------|-------|-------|-------|-------|-------|-------|----------|
| Adjustments and Calibrations                               |       |       |       | Y     | Y     |       |       |          |
| Align and Level Rewinder/Unwinder to Press                 |       |       |       | Y     |       | Y     | Y     |          |
| Auto Alert Agent (AAA) Smart Inspection                    |       | Y     |       |       |       |       |       |          |
| Backup   |       |       |       | Y     |       | Y     | Y     |          |
| Basic Component Replacement                                | Y     |       | Y     |       |       |       |       |          |
| Basic Configuration  | Y     |       | Y     |       |       |       |       |          |
| Bearing Removal and Replacement                            | Y     |       | Y     |       |       |       |       |          |
| Belts Tension with Ultrasonic Meter Adjustment             |       |       |       | Y     | Y     | Y     |       |          |
| BID Troubleshooting, Adjustments and Repairs               | Y     | Y     | Y     |       |       | Y     | Y     |          |
| Blanket  | Y     |       | Y     |       |       |       | Y     |          |
| Calibrating and Printing                                   |       | Y     |       | Y     |       | Y     |       |          |
| Charge Roller  | Y     |       | Y     |       |       |       |       |          |
| Chiller Overview   | Y     |       | Y     |       |       | Y     |       |          |
| Cleaning Station   | Y     |       | Y     |       |       |       |       |          |
| Color  |       | Y     |       | Y     |       | Y     |       | Y        |
| Computer and System Software                               |       |       |       | Y     | Y     | Y     | Y     |          |
| Consumables  | Y     |       | Y     |       |       |       |       | Y        |
| Cooling and Ventilation Systems                            | Y     | Y     | Y     |       |       | Y     |       |          |
| Cylinders  | Y     |       |       |       |       | Y     | Y     |          |
| DFS Installation   |       |       |       |       | Y     |       |       |          |
| Digital Front End (DFE)/SmartStream Server                 | Y     | Y     |       |       |       |       |       | Y        |
| Digitax Replacement, Troubleshooting and Programming       |       |       |       |       |       |       | Y     |          |
| Direct Drive Replacement (with Harmonic Torque Adjustment) |       |       |       |       |       |       | Y     |          |
| Duplex System  | Y     | Y     | Y     |       |       |       |       |          |
| Economizer   |       | Y     |       |       |       |       |       |          |
| Electrical and Electronics                                 | Y     | Y     | Y     | Y     | Y     | Y     | Y     | Y        |
| Electro-Static Discharge (ESD) Protection                  | Y     | Y     | Y     | Y     | Y     | Y     | Y     | Y        |
| Encoder  |       |       |       | Y     |       | Y     | Y     |          |
| Exit System  | Y     |       | Y     | Y     | Y     | Y     |       |          |
| External Heating System                                    | Y     |       | Y     |       |       |       |       |          |
| Feed System  | Y     | Y     | Y     | Y     | Y     | Y     | Y     | Y        |
| Finetune   |       |       |       | Y     |       | Y     |       |          |
| Fluids   |       |       |       | Y     |       | Y     | Y     |          |
| Focus  |       |       |       | Y     |       | Y     |       |          |
| Gap and Board Calibration                                  |       |       |       | Y     |       | Y     |       |          |
| Gears and Drive System                                     |       |       |       |       |       |       |       | Y        |
| Hard Disks and Raids                                       |       |       |       |       |       |       | Y     |          |
| HP Indigo Digital Press Overview                           | Y     | Y     | Y     | Y     | Y     | Y     | Y     | Y        |

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| HP Indigo Print Care   | Y     | Y     | Y     | Y     | Y     |       |       | Y        |
| Image Transfer   |       |       |       | Y     |       | Y     | Y     |          |
| Imaging Agent Direct Add                                     |       | Y     |       |       |       |       |       |          |
| Imaging Oil System   | Y     | Y     | Y     |       | Y     | Y     |       | Y        |
| IMP Cylinder/Drum  | Y     |       | Y     |       |       |       |       | Y        |
| Impression Engage Mechanism                                  |       | Y     |       |       |       |       |       |          |
| In Line Densitometer (ILD)                                   |       | Y     |       | Y     | Y     | Y     |       |          |
| In Line Primer (ILP)   |       |       | Y     | Y     | Y     |       |       |          |
| In Line Scanner (ILS)  | Y     | Y     |       |       |       |       |       |          |
| Ink  | Y     | Y     | Y     | Y     | Y     | Y     | Y     | Y        |
| Installation   |       |       |       |       |       | Y     | Y     |          |
| Interface to Print Engine                                    |       |       |       | Y     | Y     | Y     |       |          |
| Interlock  |       |       |       | Y     | Y     | Y     |       |          |
| Intermediate Transfer Medium (ITM)                           | Y     | Y     | Y     | Y     | Y     | Y     | Y     | Y        |
| Internal Buffer System (IBS) Removal and Replacement         |       |       | Y     | Y     | Y     |       |       |          |
| Internal Paper Transport                                     | Y     |       | Y     |       |       |       |       | Y        |
| IR Sensors   | Y     |       | Y     |       |       |       |       |          |
| Lenze Controller Replacement and Troubleshooting             |       |       |       | Y     |       | Y     |       |          |
| Leveling of Press  |       |       |       | Y     | Y     | Y     | Y     |          |
| Maintenance and Troubleshooting                              | Y     | Y     | Y     | Y     | Y     | Y     | Y     | Y        |
| Mechanical   |       |       |       | Y     | Y     | Y     | Y     |          |
| MIC3 Board and Controls                                      |       | Y     |       |       |       |       |       |          |
| MMI and Wizards  |       |       |       | Y     | Y     | Y     | Y     |          |
| Photo Imaging Plate (PIP)                                    | Y     |       | Y     |       |       |       | Y     | Y        |
| Physical Architecture  | Y     |       | Y     |       |       |       |       |          |
| PLC Programing, Replacement, Maintenance and Troubleshooting |       |       |       | Y     |       | Y     | Y     |          |
| Pneumatic  |       |       |       | Y     | Y     | Y     | Y     |          |
| Power Distribution   | Y     |       | Y     |       |       |       |       |          |
| Press and Electrical Safety                                  | Y     | Y     | Y     | Y     | Y     | Y     | Y     | Y        |
| Press Temperature Control                                    | Y     |       | Y     |       |       |       |       |          |
| Print Engine Electronics                                     |       |       |       | Y     | Y     | Y     | Y     |          |
| Printing Process   | Y     | Y     | Y     | Y     | Y     | Y     | Y     | Y        |
| Programmable Logic Control (PLC) Basics                      |       |       |       | Y     |       | Y     |       |          |
| Programming Unidrives  |       |       |       | Y     | Y     | Y     |       |          |
| PSTB Bracket   | Y     |       |       |       |       |       |       |          |
| Raised Print   |       | Y     |       |       |       |       |       |          |
| Recycling System   | Y     | Y     | Y     |       |       |       |       |          |
| Reinsertion Removal and Replacement                          |       |       | Y     |       |       |       |       |          |
| Rewinder Diagrams and Troubleshooting                        |       |       |       | Y     | Y     | Y     |       |          |
| Scaling and Image Placement                                  |       |       |       | Y     | Y     |       |       |          |
| Smart Care   |       | Y     |       |       |       |       |       |          |
| Software   |       | Y     |       |       |       | Y     | Y     | Y        |

**For more information:**

**Contact:**  
877-415-3222

**Email address**  
[amsgraphicstraining@hp.com](mailto:amsgraphicstraining@hp.com)

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| Stacker  |       |       |       |       |       |       |       | Y        |
| Substrate  |       | Y     |       | Y     |       | Y     | Y     |          |
| System Overview  | Y     | Y     | Y     | Y     | Y     | Y     | Y     | Y        |
| Temperature control system                                     |       |       |       |       |       |       |       | Y        |
| Textured Effects   |       | Y     |       |       |       |       |       |          |
| Theory , Service and Maintenance                               | Y     | Y     | Y     | Y     | Y     | Y     | Y     | Y        |
| Touch Screens  | Y     |       | Y     | Y     | Y     | Y     | Y     |          |
| Transfer Adjust and Calibration                                |       |       |       | Y     | Y     | Y     | Y     |          |
| Transfer Failures  |       | Y     |       |       |       |       |       |          |
| Unidrive Replacement, Maintenance and Troubleshooting          |       |       |       | Y     | Y     | Y     |       |          |
| Utility Cabinet  | Y     | Y     | Y     |       |       |       |       |          |
| Vacuum Box Removal, Replacement and Maintenance                |       |       |       |       |       | Y     |       |          |
| Vetaphone Corona Unit Theory , Maintenance and Troubleshooting |       |       |       |       | Y     |       |       |          |
| Water Compressed Air/ Imaging Oil Add Manifolds                |       |       |       |       |       |       | Y     |          |
| Water Heater Assembly  |       |       |       |       |       |       | Y     |          |
| Watermark  |       | Y     |       |       |       |       |       |          |
| Web Guide Replacement and Troubleshooting                      |       |       |       | Y     | Y     | Y     | Y     |          |
| Web Handling System (WHS)                                      |       |       | Y     | Y     | Y     | Y     | Y     |          |
| Web Threading  |       |       |       | Y     | Y     | Y     |       |          |
| White Ink  |       |       |       | Y     |       | Y     |       |          |
| Wiring Diagrams  | Y     | Y     | Y     | Y     | Y     | Y     | Y     | Y        |
| Writing Head   | Y     | Y     | Y     | Y     |       | Y     |       | Y        |

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