

Data sheet

# HP Preventive Maintenance Support Service



For HP Scitex FB10000 and 15000 Presses



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## Overview

HP Preventive Maintenance service is a comprehensive support solution that helps you maintain your HP Scitex Press for maximum productivity and utilization and sustained top print quality.

This document describes and outlines the guidance for a Preventive Maintenance Visit for an HP Scitex FB10000 Industrial Press or HP Scitex 15000 Corrugated Press.

## General equipment testing before starting

The starting point of the onsite preventive maintenance visit is two tests, performed by the HP Customer Engineer.

The first test includes printing of test files that allow the HP engineer to analyze the press' nozzle status and capture the overall condition of the printheads. The second test includes the printing of a reference file that allows the HP Engineer to detect system issues.

### Required personnel

One HP Certified Customer Engineer

### Required time

One day onsite

### Required tools

Standard tools, bridge height jig, vacuum sensor, tension meter

### Frequency of procedure

Twice a year, depending on printing volumes and shifts

**Preventive Maintenance Services** are a complementary onsite services, and customer operators are required to perform all routine maintenance to properly maintain the press.

During a Preventive Maintenance Visit, HP requires that the press be fully available to perform all tasks and that the customer to make available an operator to assist the onsite activities.

## Kit description & contents

### HP Scitex FB10000 Industrial Press & HP Scitex 15000 Corrugated Press Preventive Maintenance Kit (CS034A / CX190-01730)

| Part number | Description                                 | Qt |
|-------------|---|----|
| CV059-10169 | CSR\CMB SELF THREAD PLUG WASTETANK 100EA    | 4  |
| CV315-01040 | CMB\CMSR FILTER, WATER, 1", 5QM/HOUR        | 2  |
| CV315-01042 | CMB\CMSR FILTER, UV INK, 100UM, D-70, H-46  | 4  |
| CV585-10445 | CMB CLEAN ROOM WIPE 9X9, 150UNITS (QTY=4)   | 2  |
| CW141-03220 | CMB\CMSR BIG FILTER BSU                     | 1  |
| CW143-12260 | CMB\CMSR WASTE BATH FIRST FILTER            | 1  |
| CW143-20530 | CMB\CMSR UNIVERSAL AIR FILTER (QTY=2)       | 2  |
| CW154-02210 | CMB FILTER LAMPHEAD - LAMPHEAD SP           | 6  |
| CW154-02550 | CMB\CMSR UV CABINET BOTTOM FILTER SPARE     | 6  |
| CW154-02680 | CMB CSR UV LAMP - PTFE QR-LAMPHEAD SP       | 1  |
| CW197-00180 | CMB CSR NIPLLE (QTY=5)                      | 2  |
| CW906-60401 | CMB\CMSR CLEAN FILTER CPC CONNECTOR (QTY=3) | 4  |
| CW980-00175 | CMB PAPER WIPERS LENS CLEAN 260EA (QTY=4)   | 1  |
| CW980-00985 | CMB\CMSR MAIN PNEOMATIC PANEL FILTERS       | 1  |
| CX190-02140 | CMB SPIT MEDIA 10 SHEETS                    | 5  |

### Procedure guidelines and activities<sup>1</sup>

The preventive maintenance procedure will be performed in full accordance with the manual for the press. Once all the Preventive Maintenance routines have been completed, the HP Customer Engineer will update the press owner and create a Preventive Maintenance report specifying all the tasks performed, including working notes and the next visit scheduled.

<sup>1</sup> Customer's operator are required to perform all routine maintenance to properly maintain the press



The preventive maintenance procedure involves the following four steps:

**Step 1**  
**General tasks**

(duration: 1 hour and 50 minutes)

| Activity                              | Procedure   |
|---------------------------------------|---|
| Visual overview of the press          | Review report   |
| Print reference files                 | Full maintenance, heads signature, engineer reference files in POP80 and POP100 |
| Check the UV bulb hours               | Note if the lamp has operated over 1000 hours                                   |
| Check UV lamp pressure                | Adjust the UV blower damper   |
| Check for leakages (water, ink, air)  |   |
| Check spittoon operation and position | Adjust the X position via mechanical settings<br>Adjust the Y position          |
| Verify the maintenance bath position  |   |

**Step 3**  
**Ridge**

(duration: 2 hours)

| Activity                              | Procedure  |
|---------------------------------------|--|
| Bridge height - verify adjustment     | Z-axis calibration<br>No adjustment of the bridge height |
| Rising media detectors & back shutter | Calibrate rising media flaps and sensors                 |
| Micropurge                            | Configure and test the micro-purge assembly              |
| M&S belt tension                      | Adjust belt tension                                      |
| External shutter foil                 | Replace the external shutter foil assembly               |
|                                       | Configure and test the micro-purge assembly              |

**Additional parts and activities**

Additional parts may be used depending on the press machine model, usage and customer request.

If time permits, HP Customer Engineer will immediately attend to any other specific operation that requires attention and include this activity in the summary report. If time and/or resources do not allow an immediate fix, you will be informed that a service case needs to be opened for the identified task. This will enable HP to address the task once the Preventive Maintenance Service activity is complete.

**Step 2**  
**Media handling**

(duration: 1 hour and 50 minutes)

| Activity                                     | Procedure   |
|--|---|
| T Igus chain - integrity inspection          | Look for any visible damage or wear and tear  |
| Loading accuracy                             | Loading accuracy procedure  |
| Loading and unloading sequence               | Verify the loader and unloader bars lower position<br>Verify the iron roller lower position |
| X-T position of the Tetris (Tetris graph)    | Calibrate the X-T position of the built-in line sensor (Tetris)                             |
| Unloader lift sensors - reflectors alignment | Test the media stack detectors  |
| Air pressure on the loader pneumatic panel   | Verify the correct values   |

**Step 3**  
**Media hold down (vacuum)**

(duration: 1 hour and 20 minutes)

| Activity  | Procedure                 |
|---|---------------------------|
| Checking the integrity of the VCU rod-eye         |                           |
| Checking if there is grease on the VCU rod-eye    |                           |
| Noise from VCU                                    | Reduce noise from the VCU |
| Suction test (Pump and Table, including puncture) | Test the vacuum pressure  |

| Frequency   | Task  |
|---|---|
| Daily   | Inspecting the loader and unloader suction cups   |
|   | Replacing the spittoon media                      |
| 2 days  | Wiping the print heads                            |
| Weekly  | Cleaning the printing table                       |
|   | Cleaning the 100-micron filter in the waste bath  |
|   | Cleaning the moby connectors                      |
|   | Cleaning the press roller                         |
|   | Checking the VCU bearings and belt                |
|   | Cleaning the rising media flaps                   |
|   | Weekly UV system maintenance                      |
| Weekly bridge maintenance                         |   |
| Monthly   | Monthly cleaning the air filters                  |
| 6 months  | Checking the safety system                        |
|   | Replacing the UV cabinet air filter               |
|   | Replacing the 5-micron ink filters                |
|   | Replacing the 100-micron waste filters            |
|   | Cleaning the filters on the main pneumatic panel  |
|   | Lubricating the shutter rails                     |
|   | Replacing the UV lamp housing air filters         |
|   | Replacing the unloader suction cups               |
|   | Replacing the REC air filter                      |
|   | Replacing the unified cooler water filter         |
|   | Cleaning the unified cooler air filters           |
|   | Checking the gas springs                          |
|   | Yearly  |
| Replacing the 100-micron filter on the waste bath |   |
| Replacing the BSU air filter                      |   |
| Annual bridge area lubrication procedures         |   |
| Annual loader area lubrication procedures         |   |
| Counter-based                                     | Replacing the UV lamp and cleaning the reflectors |
|   | Lubricating the T-axis linear bearings            |
|   | Lubricating the X-axis linear bearings            |
| As needed   | Cleaning the unloader air jets bar                |
|   | Cleaning the NIP roller                           |
|   | Adding water to the unified cooler                |
|   | Cleaning the unloader lift reflectors             |

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