

# HP Preventive Maintenance Support Service



For HP Scitex 9000 Industrial Press



## Required personnel

HP certified customer engineer

## Required time

One day onsite

## Required tools

HP will provide standard tools, bridge height jig, vacuum sensor and tension meter.

Customer need to provide recommended grease.

## Frequency of procedure

Twice a year, depending on printing volumes and shifts.

Preventive Maintenance Service visits are a complementary onsite service, where the HP Certified Engineer will evaluate the overall condition of the unit. To maximize the benefit of this visit, the press should have all routine maintenance up to date based on operator manual.

## Overview

HP Preventive Maintenance service is a comprehensive support solution that allows you to maintain, optimize and anticipate possible unexpected issues on 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 9000 Industrial 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 customer engineer to analyze the printer nozzle status and capture the overall condition of the printheads. The second test includes the printing of a reference file that allows HP customer engineer to detect system issues.

During a Preventive Maintenance visit HP requires that the press must be fully available to perform all tasks and customers need to make available an operator to assist the onsite activities.

## Kit description & contents

### HP Scitex 9000 Industrial Press Preventive Maintenance Kit CS047A / CX190-06250

Item Number	Item Description	Qty
5851-0149	CMB GLOVES,NITRILE, POWDER FREE,L 100PCS	2
CV059-10169	CMB/CSR SELF THREAD PLUG WASTETANK 100EA	4
CV315-01042	CMB/CSR FILTER,UV INK,100UM,,D-70,H-46	4
CV315-01083	CMB/CSR FILTER 130MICRON (QTY-2)	1
CV585-10445	CMB CLEAN ROOM WIPE 9X9,150UNITS(QTY-4)	2
CW141-03220	CMB/CSR BIG FILTER BSU	1
CW143-12260	CMB/CSR WASTE BATH FIRST FILTER	1
CW143-20530	CMB/CSR UNIVERSAL AIR FILTER(QTY-2)	2
CW143-32870	CMB/CSR BSU FILTER CUT	1
CW154-02210	CMB FILTER LAMPHEAD - LAMPHEAD SP	6
CW154-02550	CMB/CSR UV CABINET BOTTOM FILTER SPARE	6
CW154-02680	CMB CSR UV LAMP - PTFE QR-LAMPHEAD SP	1
CW906-60401	CMB/CSR CLEAN FILTER CPC CONNECTOR QTY-3	4
CW980-00175	CMB PAPER WIPERS LENS CLEAN 260EA(QTY-4)	1
CW980-00985	CMB\CSR MAIN PNEOMATIC PANEL FILTERS	1

All above parts list are mandatory to perform the Preventive Maintenance.



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

### Step 1. General tasks ,duration: 1 hour and 40 minutes

Activity	Procedure / Notes
<b>Visual overview of the press</b>	Review report
<b>Print reference files</b>	Full maintenance, heads signature, engineer
<b>Check the UV bulb hours</b>	Note if the lamp has operated over 1000 hours
<b>Check UV lamp pressure</b>	Adjust the UV blower damper
<b>Check for leakages (water, ink, air)</b>	
<b>Verify the maintenance bath position</b>	

### Step 2. Media handling ,duration: 1 hour and 15 minutes

Activity	Procedure / Notes
<b>Loading accuracy</b>	Loading accuracy procedure
<b>X-T position of the Tetris (Tetris graph)</b>	Calibrate the X-T position of the built-in line sensor (Tetris)

### Step 3. Bridge (duration: 1 hour and 50 minutes)

Activity	Procedure / Notes
<b>Bridge height – verify adjustment</b>	Z-axis calibration
<b>Rising media detectors &amp; back shutter</b>	Calibrate rising media flaps and sensors
<b>M&amp;S belt tension</b>	Adjusting belt tension
<b>M&amp;S belt tension</b>	Adjusting belt tension

### Step 4. Media hold down (vacuum) ,duration: 1 hour and 20 minutes

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

## Additional activities

Additional activities may be performed, depending on the press machine model and usage.

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.

<sup>1</sup> Preventive Maintenance process doesn't replace the regular Customers operator maintenance routines that are required to properly maintain the press.



## Customer Operator Routine Maintenance Tasks

To enable the HP Customer Engineer to perform the Preventive Maintenance Service activities, and maximize the benefits of this Preventive Maintenance visit, your press must have all press operator tasks up to date, and be maintained according to the schedule in the press operator manual, as below. All these tasks are also found in the HP Scitex Print Care maintenance wizard.

Frequency	Task
<b>2 days</b>	Wiping the print heads
<b>Weekly</b>	Cleaning the printing table
	Cleaning the 100-micron filter in the waste bath
	Cleaning the moby connectors
	Checking the VCU bearings and belt
	Cleaning the rising media flaps
	Weekly UV system maintenance
	Weekly bridge maintenance
<b>Monthly</b>	Monthly cleaning the air filters
<b>6 months</b>	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
	Lubrication the Tetris axis
	Replacing the REC air filter
	Replacing the unified cooler water filter
	Cleaning the unified cooler air filters
	Checking the gas springs
<b>Yearly</b>	Replacing the filters on the main pneumatic panel
	Replacing the 100-micron filter on the waste bath
	Replacing the BSU air filter
	Annual bridge area lubrication procedures
<b>Counter-based</b>	Replacing the UV lamp and cleaning the reflectors
	Lubricating the X-axis linear bearings
	Adding water to the unified cooler

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