

Data sheet

HP Preventive Maintenance Support Service



For HP Scitex 17000 Corrugated Press



December 2016



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

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 17000 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 Customer engineer to analyze the printer nozzle status and capture the overall condition of the print heads. The second test includes the printing of a reference file that allows the HP Customer Engineer to detect system issues.

Kit description & contents

HP Scitex 17000 Corrugated Press Preventive Maintenance Kit (CS043A / CX190-05372)

Part number	Content	Qty
5851-0149	Gloves – Nitrile, powder-free, large (Qty=100)	2
CV059-10169	Self-Thread Waste Plug	4
CV315-01042	Filter, UV ink,100um, D-70, H-46	4
CV315-01083	Waste Filter (Qty=2)	1
CV585-10445	Clean Room Wipes , 150 Units	2
CW141-03220	Big filter BSU	1
CW143-12260	Waste bath first filter	1
CW143-20530	Universal air filter, FF 2X (Qty=2)	2
CW143-32870	BSU Filter Cut	1
CW154-02210	Filter lamp head – Lamp head SP	6
CW154-02550	UV cabinet bottom filter	6
CW154-02680	UV lamp – PTFE QR – Lamp head SP	1
CW190-04290	Cabinet Air Inlet filter UVED	1
CW190-04381	Cooler Air Filter UVED	1
CW190-06260	Clean Filter with CPC (Qty=4)	4
CW197-00180	Nipple (Qty=5)	2
CW980-00175	Paper wipers lens clean 260 each (Qty=4)	1
CW980-00985	Main pneumatic panel filters	1

Procedure guidelines and activities¹

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 customers and create a preventive maintenance report specifying all the tasks performed, with working notes, and a schedule for the next visit.

¹Disclaimer: Customer's certified operators 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 / Notes
Visual overview of the press	Review report
Print reference files	Full maintenance, heads signature, engineer reference files in Display & Packaging
Check the UV Arc 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)	Both UV systems – Arc & LED
Check the maintenance bath position	

Step 3

Media bridge

(duration: 2 hours)

Activity	Procedure
Bridge height – verify adjustment	<ul style="list-style-type: none"> • Z-axis calibration • No adjustment of the bridge height. • If needed, the HP Customer Engineer will review the reference files.
Rising media detectors & back shutter	Calibrate rising media flaps and sensors
UV Quartz plates – Arc & LED	Check if not damaged
M&S belt tension	Adjust belt tension
External shutter foil	Check the integrity of the foil, if found defected then replace

Step 2

Media handling

(duration: 1 hour and 50 minutes)

Activity	Procedure / Notes
T Igus chain - integrity inspection	Look for any visible damage or wear and tear
Loading accuracy	Loading accuracy procedure
Loading and unloading sequence	<ul style="list-style-type: none"> • Verify the loader and unloader bars lower position • Verify the iron roller lower position • Verify K pickup & Drop off position
X-T position of the Tetris (Tetris graph)	Calibrate the X-T position of the built-in line sensor (Tetris)
Lift sensors – reflectors alignment	Test the media stack detectors – Loader & Unloader lifts
Air pressure on the loader / AL / SA pneumatic panel	Verify the correct values

Step 4

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

Additional parts and activities

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

If time permits, the 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.

Customer Operator Routine Maintenance Tasks

To enable the HP Customer Engineer to perform the Preventive Maintenance Service activities, your press must 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.

Periodicity	Maintenance Description
Weekly	Cleaning the printing table
	Cleaning the 100-micron filter on the waste bath
	Cleaning the Moby connectors
	Cleaning the press roller
	Wiping the print heads
	Checking the VCU bearings and belt
	Cleaning the rising media flaps
	Weekly UV system maintenance
	Inspecting, cleaning, and replacing the corrugated grips
	Weekly UV LED system maintenance
	Weekly bridge maintenance
Monthly	Inspecting the loader and unloader suction cups
	Monthly cleaning the air filters
	Cleaning the cross valves sensors and covers
	Cleaning the NIP sensors
3-Monthly	Cleaning UV LED cabinet air filters
3-Monthly	Cleaning air and water filters in the UV LED cooler
6-Monthly	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
	Lubricating the Z-axis
	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 spring
Lubricating the K-axis (standalone loader)	
Annual	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
	Annual loader area lubrication procedures
Annual	Annual UV LED system maintenance
Counter-based	Lubricating the X-axis linear bearings
	Lubricating the T-axis linear bearings
	Replacing the UV lamp and cleaning the reflectors
As-Needed	Replacing the print heads
	Compensating for missing nozzles
	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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