

SECTION 3 – *Operating Printer*

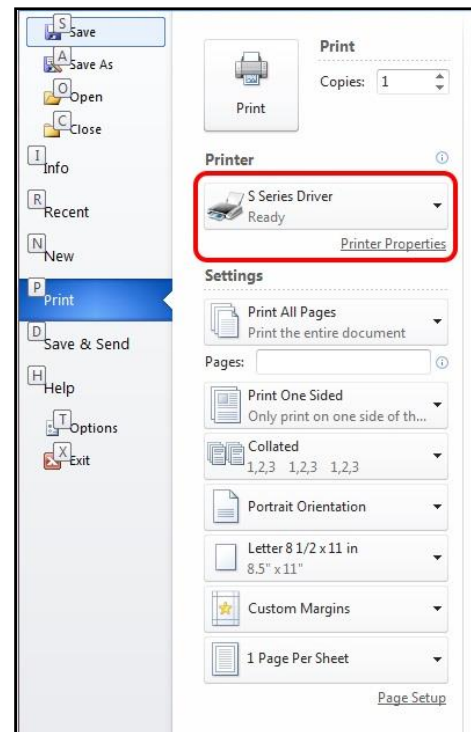
Once Printer Driver is installed and Printhead is primed, you are ready to start printing. Set up your job and send it to Printer. Printer will start and print.

Set the **Printer Driver** installed in Section 2 as default driver. It is then accessible through your applications (*such as Microsoft Word*). Other types of applications and database management software will work in a similar manner when using this Driver.

Printer Driver Properties

Printer Driver works the same as any other Printer Driver for Windows. It does have some enhancements to help maximize the Printer's ability to print variable addressed pieces quickly and efficiently.

Windows 8, 8.1, and 10: Once job is set up, click **File**, then **Print**. Window at right opens. Make sure **S Series Driver** is the selected Printer. Clicking **Printer Properties** opens “**General**” Tab window.



General Tab

General tab lets you select:

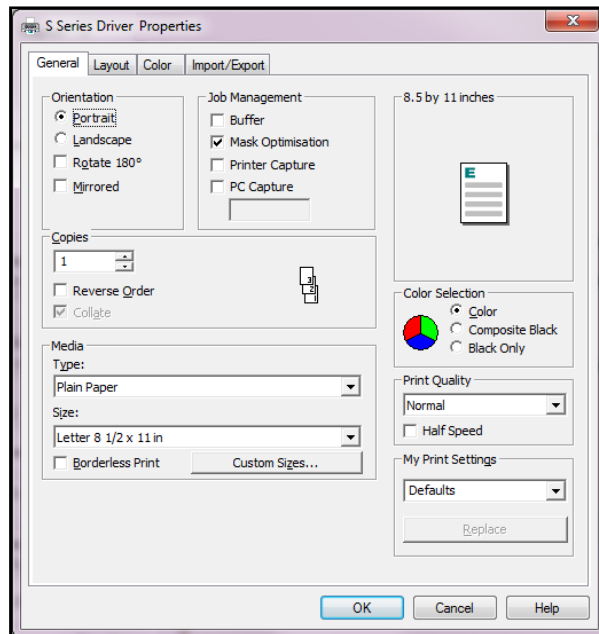
- **Orientation** – Portrait (*default*), Landscape, Rotate 180° and Mirrored.
- **Job Management** – **Buffer** loads entire print job before printing starts.
Mask Optimization (*checked is default*) optimizes images for printing in most applications.

NOTE: Some applications (*like FlexMail*) may display image boundaries when printed; unchecking **Mask Optimization** box eliminates these lines. (*Remember to check box when changing applications.*)

Printer Capture – When selected, the Printer stores the print job in the Printer Job Library after the job is printed.

PC Capture – When selected, saves a Print File (*.prn) on the PC (C:\Windows\Temp) for later use. (*Unchecked is default.*)

NOTE: Use the box below the selection to name the file, otherwise the Printer assigns the current date and a numerical name.



- **Copies** – Enter the number of copies to be printed. **NOTE: Default setting (Reverse Order unchecked)** prints job starting with first page. Printing starts as soon as first page loads.
Reverse Order allows job to start printing from last page. Since entire job has to load into Printer before printing starts, large jobs may take longer to load.
Collate: When printing multiple copies of multi-page documents, checking the box allows all pages of the document to be printed in proper order before printing the next copy.
- **Media** – Choose a type of media or different size media than document was originally designed for.
Type: Chart at right lists media profiles associated with type of media chosen.
Sizes: 21 sizes are available. Document is automatically resized to fit new media.
- **Custom Size** lets you create and save a **Custom Size** to suit your needs. **NOTE: Do not exceed maximum paper size for Printer.**
- **Color Selection** – Set Printing for Color, Composite Black (*uses all colors to print Black*), or Black Only (*uses only Black ink*).
- **Print Quality** – Select **Normal** or **Best**. **Normal** is 1600 x 800 dpi. **Best** setting is 1600 x 1600 dpi, for use when high quality images are required. **“Speed”** allows you to adjust the Printer speed for the media being used (*i.e., slow the printing speed for higher quality on glossy stock*).
- **My Print Settings** – Access your saved custom print settings for various jobs.

MEDIA PROFILE	MEDIA TYPE
Plain Paper	Plain Paper Bright White Paper
Matte Paper	Presentation Paper Postcards Matte Brochure Matte Labels Matte Other Inkjet Paper Matte
Premium Matte Coated Paper	Premium Inkjet Paper Premium Photo Paper Matte
Glossy Paper	Photo Paper Semi-gloss Photo Paper Glossy Labels Glossy Postcards Glossy Brochure Glossy
Premium Glossy Paper	Premium Photo Paper Glossy

Layout Tab

Layout allows you change how document prints without changing original document.

- **Resizing** – Specify **Original Size** or **Custom**.

Resize: Resizes original as a % of normal size. Printer prints document in size you selected regardless of paper size selected.

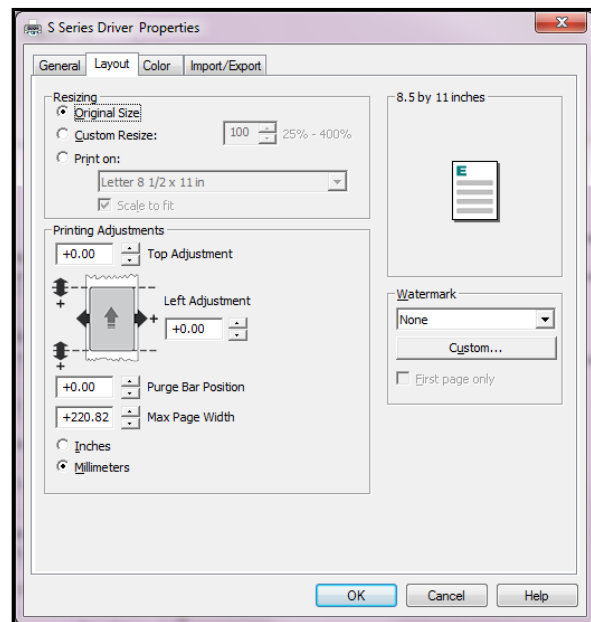
Print on: Specify particular size of paper to print on regardless of size of original document. Checking “**Scale to Fit**” automatically resizes document to fit on new page size.

- **Printing Adjustments** – Make minor positioning changes to print area in relation to media if needed. Also set measurements to be in **Inches**, **Millimeters** or **Pixels**.

NOTE: Printing Adjustments only works when Print Area is less than full print width (less than 8.77"/222.8 mm wide). See “Using Layout Tab Printing Adjustments” on next page.

- **Watermark** – Prints a light background watermark in paper while printing original document. When selected, “**First page only**” option prints watermark on first page, but not subsequent pages, unchecking prints watermark on all pages.

Custom button lets you create a new watermark or edit an existing watermark, including font selection, color, size and printing angle.



Using Layout Tab Printing Adjustments

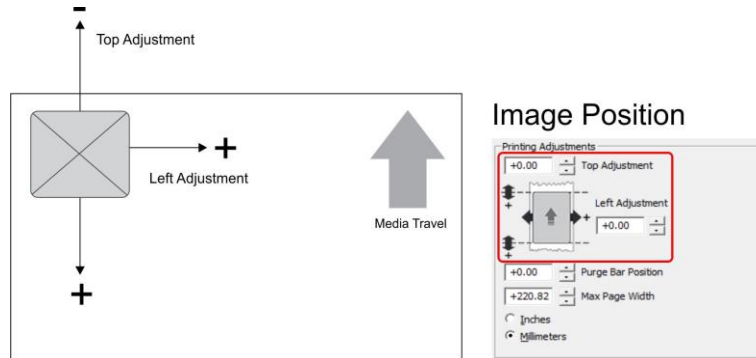
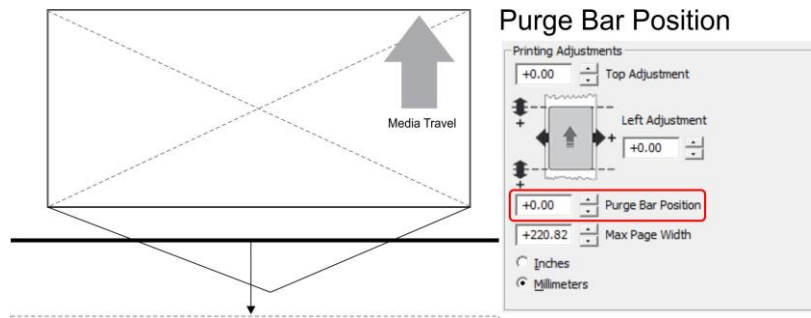


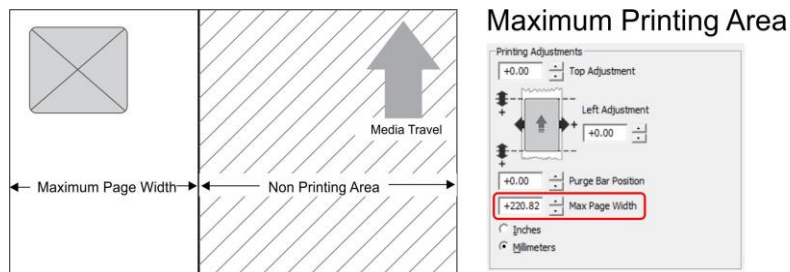
Image Position – Top Adjustment moves image up or down (-5mm up to +200mm down) from top left corner of media used. (0.1mm increments)

Left Adjustment moves image area away (-3mm left to +200mm right) from left edge of media.



Purge Bar Position* – In operation, Printhead spits a small amount of ink in gap between pieces to keep nozzles refreshed. For irregular-shaped pieces (like an envelope flap), Sensor may “read” lower end as the edge and spray on the tip of the flap instead of actual gap between pieces. This feature allows you to manually set gap (in 0.1mm increments) to account for extra length needed to reach actual gap.

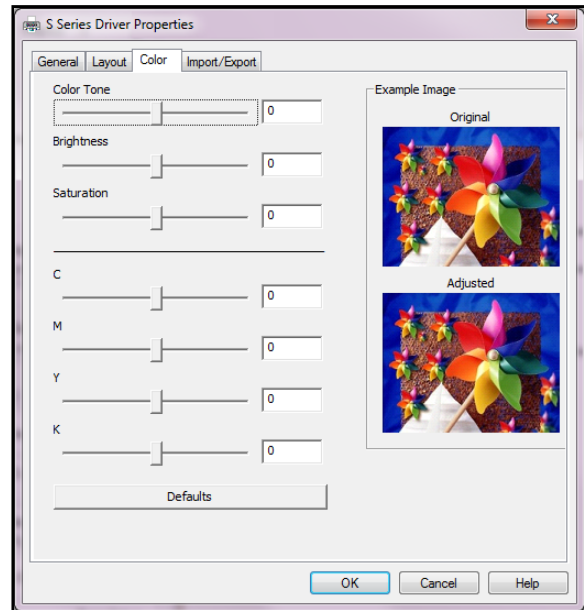
* See also “Purge Bar Position” in Printer Toolbox section.



Max Page Width – Sets width of actual print area. (0.1mm increments) This shuts off nozzles in non-printing area (not used for printing) and saves ink. **NOTE: Can be no larger than maximum print width for Printer (8.77"/222.8 mm).**

Color Tab

Color is used to adjust the color output of the Printer. Use the sliders to adjust **Color Tone**, **Brightness** and **Saturation**. The **C, M, Y, K** sliders adjust individual colors. Use **Defaults** to reset to **0** settings.

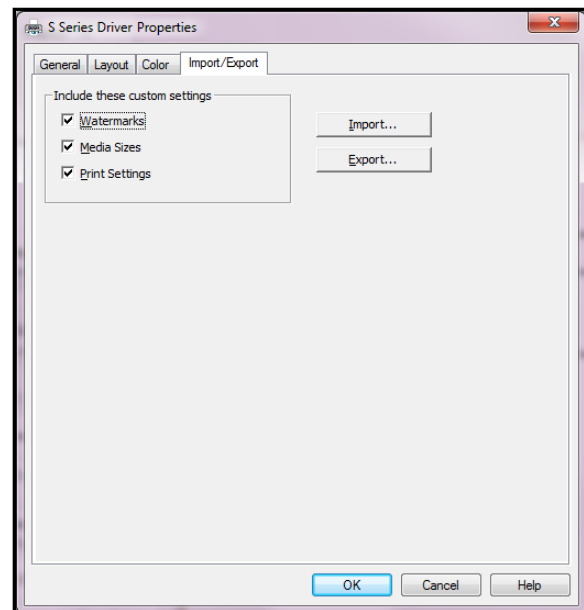


Import/Export Tab

Import/Export is used to preserve any custom Media Sizes, Watermarks and/or Print Settings you may have developed and saved for various jobs when you update Printer firmware.

- **Export** – Send custom settings to a holding file before downloading new firmware.
- **Import** – Return custom settings after firmware installation is complete.

The Import/Export tab is also used to import custom media size packages or watermarks from your dealer if they are available.



IMPORTANT!

BEFORE UPDATING ANY PRINTER FIRMWARE, REMEMBER TO FIRST EXPORT ANY CUSTOM MEDIA SIZES, WATERMARKS OR PRINT SETTINGS YOU HAVE ADDED TO AN OUTSIDE HOLDING FILE. THIS PREVENTS THE LOSS OF YOUR CUSTOM SETTINGS.

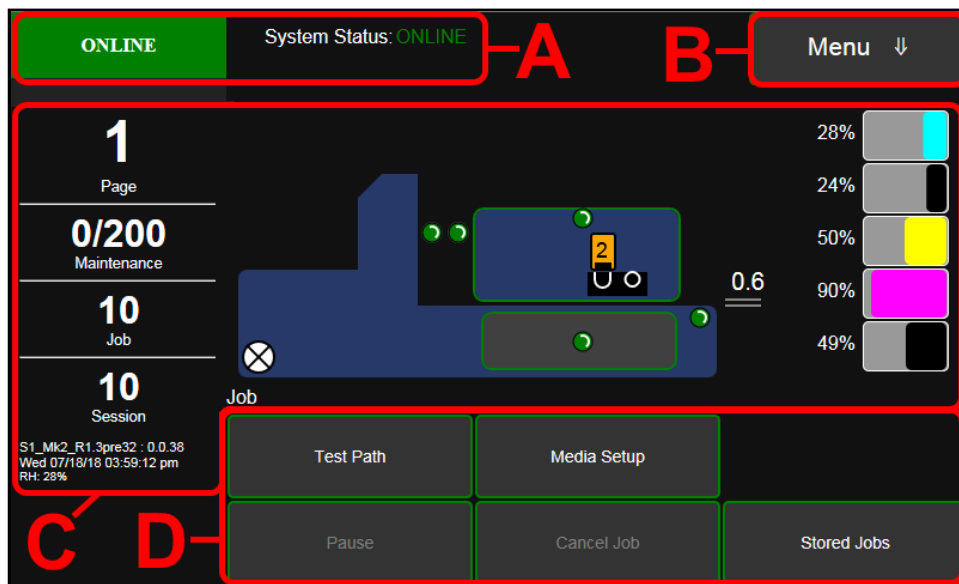
SECTION 3 OPERATING PRINTER

Using Printer Touchscreen

Once the Printer Driver is installed, and the Printer is turned ON, you can use the **Printer's Touchscreen**. You can check Printer status, monitor ink usage, perform diagnostic checks, print reports and run maintenance tasks on the Printer from the Touchscreen. **NOTE:** These functions and more can also be operated remotely from a computer using the **Printer Toolbox**. See “Using the Printer Toolbox” following this section.

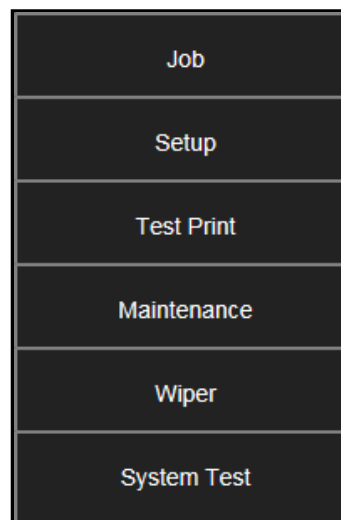
Tap the screen to view the **Printer Touchscreen**.

- [A] System Status Indicator (*at top of screen*)
- [B] Drop-Down Menu Options (*at top of screen*)
- [C] Check Printer Status (*across middle of screen*)
- [D] Five often-used control buttons (*at bottom of screen*)



Drop-Down Menu Options

The **Menu** drop-down gives you five selections:
Job, Setup, Print, Maintenance, Wiper and System Test.



Job (Status Screen)

The opening screen provides information about the status of the Printer.

Status Indicator box shows Printer activity as **ONLINE**, **ERROR**, **MAINTENANCE**, **PRINTING** or **PAUSED**. The gray box (*below Status Indicator*) shows the name of the job being processed.

System Status displays current status of Printer and/or error message.

Page shows the page count for a given job.

Maintenance counts down pages until the next automatic Printhead maintenance is performed by the Service Station. **NOTE:** The count can be adjusted by opening the Printer Toolbox **User Interface** screen, **Mid-Job Servicing**. In this example, service is performed every 200 pages.

Job shows number of jobs printed (*resettable*), **Session** shows the total number of pages printed by the Printer (*resettable*) over the length of a Session (*shift, day, week, etc.*).

Firmware: UI Version displays the current firmware and UI firmware (*Touchscreen*) versions currently installed on the Printer.

Date and Time shows current date and time. These can be configured and set by opening the **Setup** screen, then **Network Config**, then **Date and Time**.

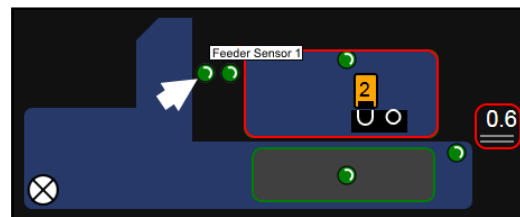
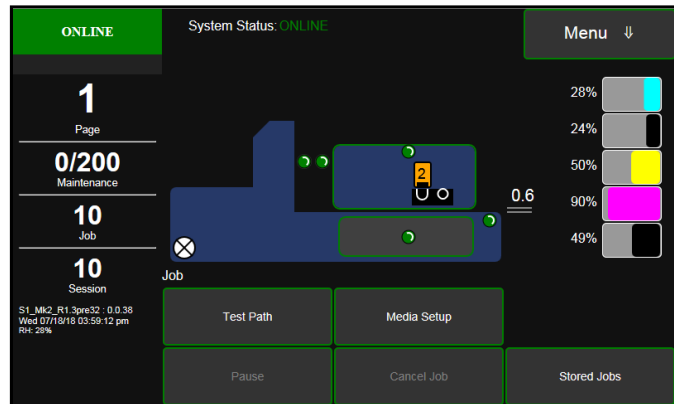
Relative Humidity (RH) displays the current ambient humidity detected near the Printer.

Printer Messages may appear under **RH (Relative Humidity)**.

Printer Icon: Shows status of Media Sensors located in the media feed path of the Printer.

Also shows status of Ink Valves, Service Station, and Printhead. These can alert the operator to the type and location of a problem. (*See icon key above.*) Rolling over any of the status icons with your cursor pops up a description of that icon. **NOTE:** The indicator at the exit end of the Printer icon (*example, 3.5mm*) displays the current Clamshell print height setting. The number inside Printhead Cartridge icon displays current Printhead Cartridge print height setting.

Ink Levels displays percentage of ink remaining in each of the Ink Tanks.



ONLINE	Ink Valves	Service Station
ERROR	<ul style="list-style-type: none"> Open Ink Closed Open Air Unknown 	<ul style="list-style-type: none"> Wipe Print Cap Unknown
MAINT	Sensors	Printhead
PRINTING	<ul style="list-style-type: none"> Uncovered/Closed Covered/Open 	<ul style="list-style-type: none"> Present-Primed Present-Unprimed Unknown
PAUSED		

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CONTROL BUTTONS (*located along the bottom of the screen*): Provide quick access to often-used functions.

Test Path: Tap to run media through the Printer without printing to check the media feed set-up.

Pause: Tap to temporarily stop printing. Tap again to resume printing.

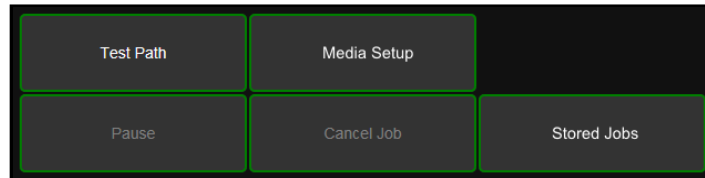
Media Setup – Raise or lower the Clamshell

Assembly from 1mm to 10mm in 0.1mm increments to accommodate varying thicknesses of media.

Also set the **Printhead Height** and **Media Gap**. See **“Using Media Setup”** on the next page.

Cancel Job: Cancels a paused job from the printing queue. **Cancel** is unavailable unless the **Pause** button has been pressed first. **NOTE: Cancelled jobs must be reloaded before printing can resume.**

Stored Jobs: Opens the Printer's **Job Library** to access print jobs saved in the Printer's memory. You can also make changes to the job specifications and delete jobs as needed. See **“Using Stored Jobs”**. **NOTE: If no jobs are saved on the Printer, this button will be inactive.**



Using Media Setup

To raise or lower the Clamshell to accommodate the media thickness of the media used for a particular job:

1. Tap the **Media Setup** button to open the **Media Setup** screen.
2. Move the small white circle around the edge of the larger blue circle to raise or lower the Printhead Assembly.
(**Range:** 1mm to 10mm in 0.1mm increments).
3. Look at **New**: to see the amount the Printhead Assembly has been raised or lowered. If OK, press the **Apply** button to confirm the change. Press the **Exit** button to exit the screen.
NOTE: The indicator at the exit end of the Printer icon [A] displays the current Printhead height setting.
4. Test thickness adjustment by running 1 piece of media. Adjust as necessary.

Print Height: Moves the Printhead in micro increments to raise it higher than normal above the media. 9 settings.

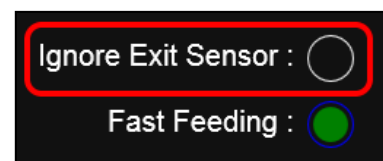
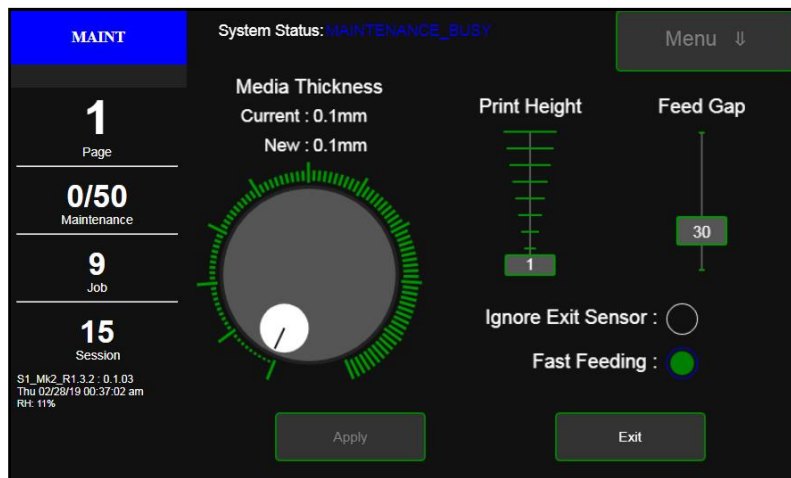
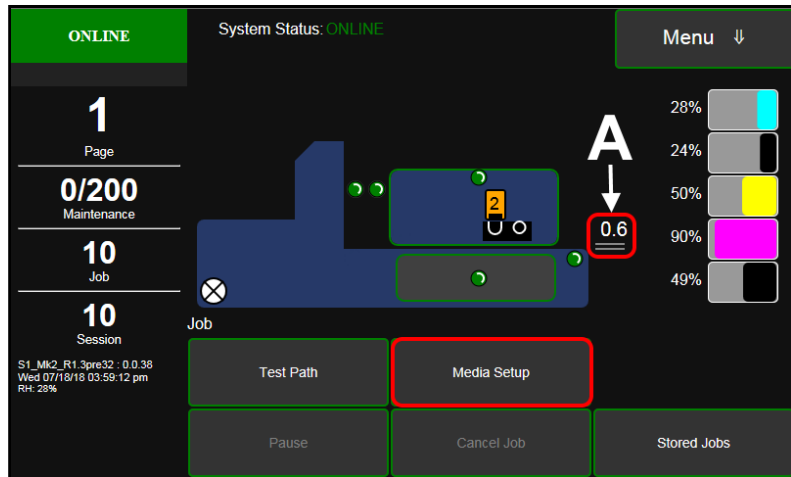
Range: 1-Lowest, 9-Highest.

Feed Gap: Works with the **Fast Feeding** function. Allows you to adjust the gap between media to optimize printing speed and efficiency for different types and sizes of media. Increase (*up*) or decrease (*down*) the gap between media by moving the slider button. 10mm = Smallest Gap, 80mm = Largest Gap.

NOTE: **Fast Feeding must be turned ON (default is ON) to use Feed Gap.** With certain types of media, turning **Fast Feeding OFF (deactivating Feed Gap)**, allows the Printer to set its own feed gap, which may work best for that type of media.

Fast Feeding: **Fast Feeding** button (*Green = ON, Blank = OFF*) must be turned on to use **Feed Gap (default is ON)**. **NOTE:** The **Feed Gap** function is inactive if **Fast Feeding** is turned **OFF**.

Ignore Exit Sensor: Press the **Ignore Exit Sensor** button (*Green = ON, Blank = OFF*) to prevent causing a media feed error if the media bypasses the Exit Sensor. (For example, if #10 envelopes are set up to use only the right side of the Printhead, the left edge will not pass under the Exit Sensor). Deactivate this feature by touching the green button. **NOTE:** If using dark or black media, the Sensor may not detect the end of a piece and initiate a “Paper Jam” error. To prevent this, select “Ignore Exit Sensor”.



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Using Stored Jobs (Print Job Library)

Print jobs can be saved to the Printer's **Job Library** by selecting the **Printer Capture** option under **Job Management** on the **General Tab** of the **Printer Driver**. You can access jobs saved in the Printer's **Job Library** using the **Stored Jobs** button on the **Jobs Screen**. **NOTE: If no jobs are saved on the Printer, this button will be inactive.**

To view the Printer's **Job Library**, press **Stored Jobs** on the **Jobs Touchscreen**. The **Jobs Library** opens.

Use the **View** button [A] to change the Library view from Icon to List.

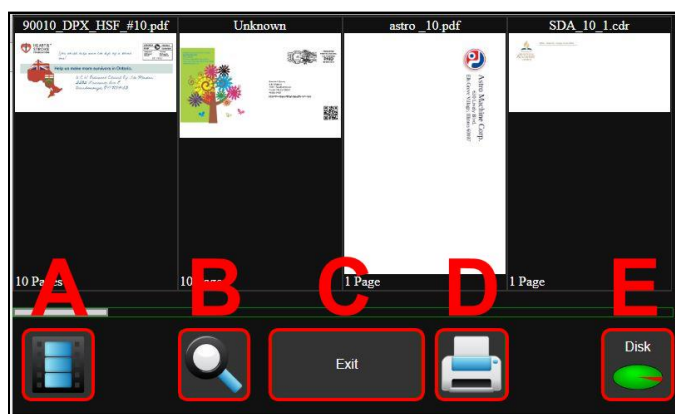
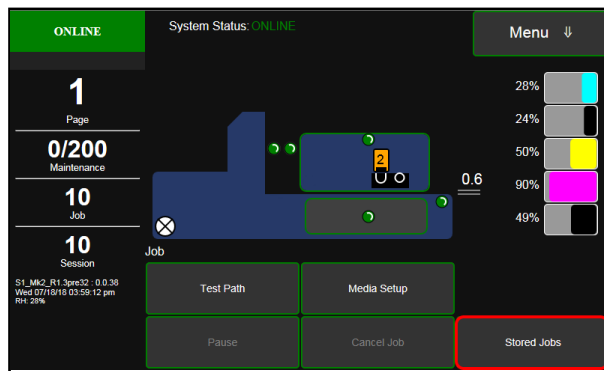
Use the **Search** icon [B] to search for a particular print job.

The **Exit** button [C] returns you to the **Jobs (Status)** screen.

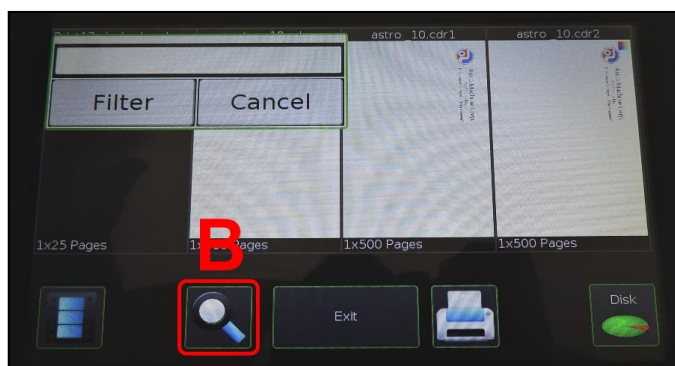
The **Printer** icon [D] prints the selected job.

The **Trashcan** icon [E] (*List view only*) deletes selected job(s) (*checked in the Delete column in the Jobs List*) from the Library.

The **Disk** icon [F] displays the available space left in the Printer's Job Library memory.



List View

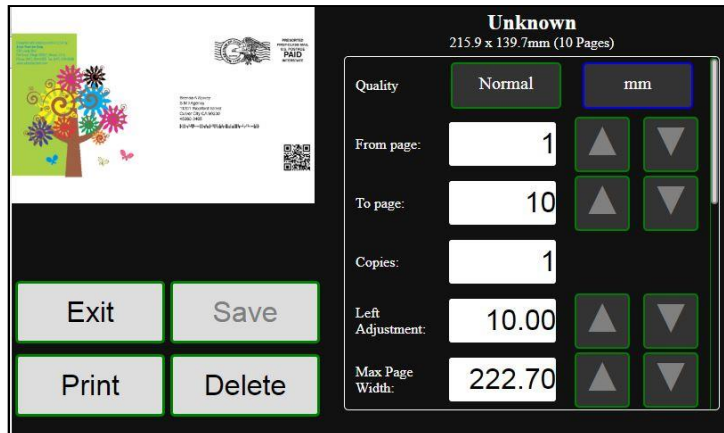


Search Screen

Select a job by tapping the job icon or the list name. The **Job Print Options** screen opens.

The (4) **Control** buttons let you **Exit**, **Print**, **Save** or **Delete** the print job. The **Save** button saves any changes you make to the job specifications in the **Print Options** on the right side of the screen. If you do not tap **Save**, the print job reverts to its original settings when you **Exit**.

The **Print Options** allow you to change or adjust print specifications for the print job. Scroll down the screen to access all options. Tap inside the white box to open the keyboard.



Quality – Tap the button to select **Normal** or **Best**. **Normal** is 1600 x 800 dpi. **Best** setting is 1600 x 1600 dpi.

mm or inches – Tap the button to change measurements to millimeters or inches.

From page and **To page** – Select the first and last pages of a job (*or part of a job*) to print using the Up or Down arrows or tap inside the boxes to use the keyboard.

Copies – Enter the number of copies to be printed.

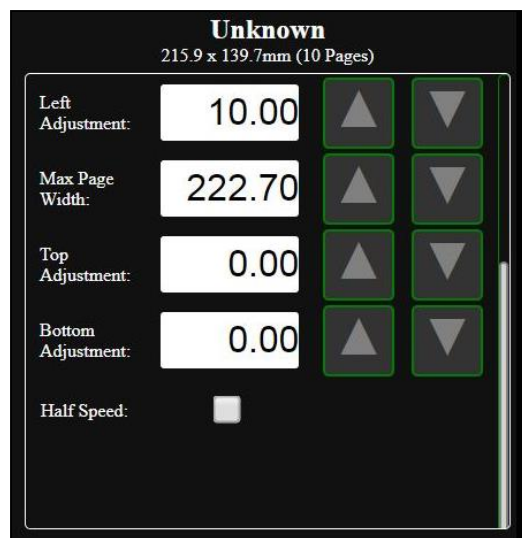
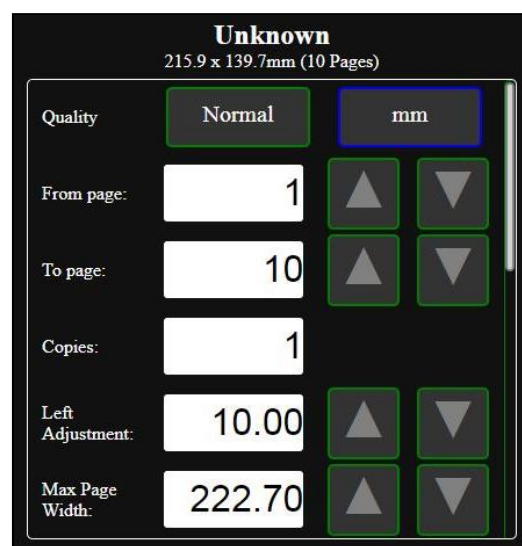
Left Adjustment – Moves the image area away (-3mm left to +200mm right) from the left edge of the media. (*Up or down arrows move in 0.1mm increments*)

Max. Page Width – Sets the width of the actual print area. (*Up or Down arrows move in 0.1mm increments*) This shuts off nozzles in the non-printing area (*not used for printing*) and saves ink. **NOTE: Can be no larger than maximum print width for Printer (8.77"/222.8 mm)**

Top Adjustment moves image up or down (-5mm up to +200mm down) from top left corner of media used. (*0.1mm increments*)

Bottom Adjustment – In operation, Printhead spits a small amount of ink in gap between pieces to keep nozzles refreshed. For irregular-shaped pieces (*like an envelope flap*), Sensor may “read” lower end as the edge and spray on the tip of the flap instead of actual gap between pieces. This feature allows you to manually set gap (*in 0.1mm increments*) to account for extra length needed to reach actual gap.

Half Speed – Check the box to reduce current print speed by half. For example, for pieces requiring longer drying time.



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Set-up Screen

Tap the **Menu** button, then **Setup** button to open the **Setup** screen.

Release Printhead – Pumps ink back into Ink Tanks and opens Printhead Latch to remove or install Printhead Cartridge. **NOTE: Button is only active if the system is deprimed first.**

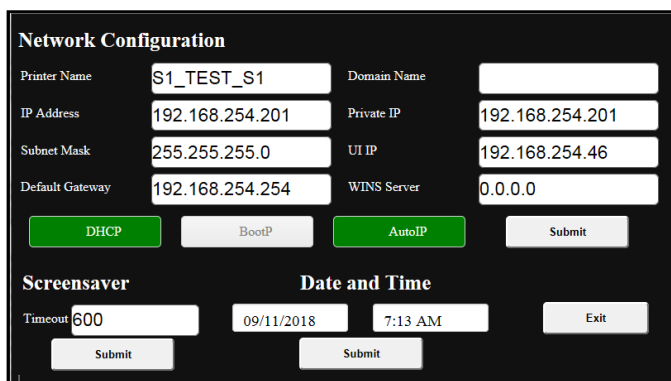
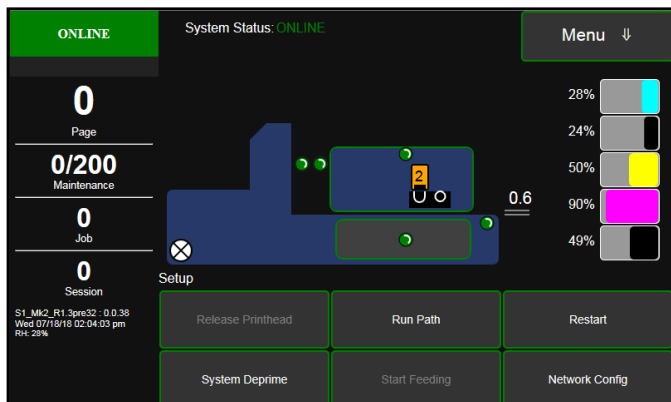
System Deprime – Pumps ink back into Ink Tanks prior to replacing the Printhead Cartridge or transporting the Printer.

Run Path – Test media path for obstructions. Press to test the media path.

Start Feeding button. Test feed media. Press to start feeding media.

Restart – Restarts the Printer without having to perform the startup routine (*purging ink tanks, priming, etc.*)

Network Config button. Click to view, enter or change settings to connect the Printer to your network. You can also set the **Printer Date and Time**. (See also *System Settings in Using Printer Toolbox.*)



Test Print Screen

Tapping **Menu**, then **Test Print** opens the **Test Print** screen options for printing different reports.

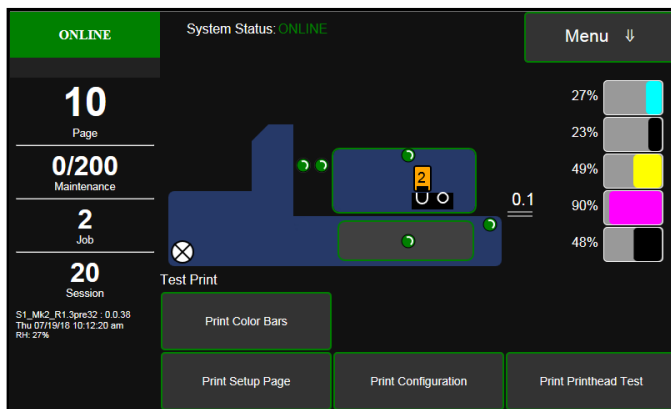
Print Color Bars – Prints a series of 7 color bars (*per Printhead*) to indicate how well Printheads are mixing colors and printing.

Print Setup page – Prints a printing pattern used for positioning image on the page.

Print Configuration – Prints current Printer configuration including Firmware Version, Network Connection, Printer Serial Number and more for Printer.

Print Printhead Test – Prints color bands, text and patterns to check condition of Printhead's ink nozzles.

NOTE: Uses less ink than Print Color Bars.



Maintenance Screen

Tapping **Menu**, then **Maintenance** opens the **Maintenance** screen. These buttons operate functions for Printer and Printhead maintenance.

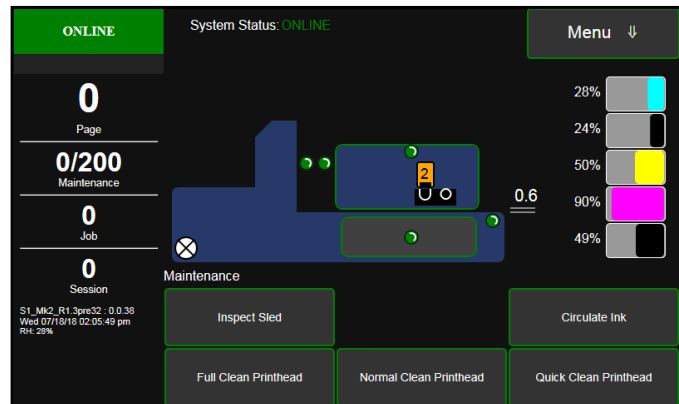
Inspect Sled – Moves Service Station out for inspection, cleaning or service.

Circulate Ink – Purges air from ink lines and primes system after replacing the Ink Tanks or the Printhead Cartridge.

Full Clean Printhead – Runs cleaning routine multiple times for the most thorough flushing and cleaning of the Printhead.

Normal Clean Printhead – Runs cleaning and wiping routine twice for a thorough flushing and cleaning.

Quick Clean Printhead – Circulates ink; wipes and cleans Printhead Cartridge.



Wiper Screen

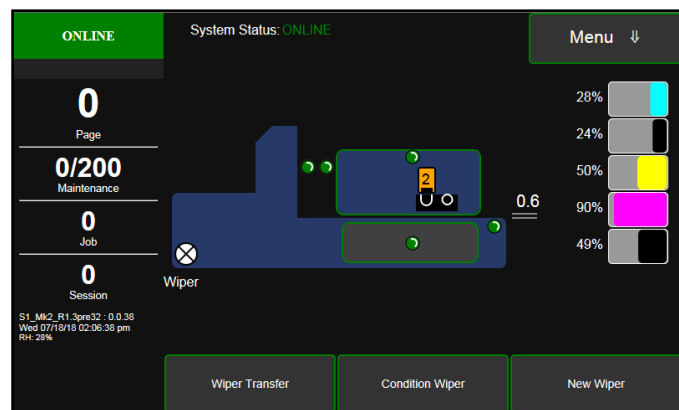
Tapping **Menu**, then **Wiper** opens the **Wiper** options screen. Selections are **Wiper Transfer**, **Condition Wiper** and **New Wiper**.

Wiper Transfer – Manually initiates a Wiper Transfer instead of waiting for a Transfer to automatically occur during normal operating cycles. Squeegees excess ink off of the Service Station Wiper Roller.

Condition Wiper – Resaturates, conditions and cleans the Wiper Roller with ink to remove dried residue if the Printer is left inactive for long periods of time.

New Wiper – Initiates a **System Deprime**. Moves Service Station out to remove and replace the Service Station Wiper Roller. Once the new Wiper is installed, the Printer primes the system with ink and conditions the Wiper to optimal operating condition.

1. Printer runs a **System Deprime**.
2. Replace Wiper Roller or Wiper Module.
3. **Finish button**: System primes with ink and **Wiper Condition** runs.



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System Test

NOTE: These tests should only be performed by authorized service personnel.

System Test allows testing individual or all Printer systems listed to check that they are operating within specifications. It also allows service people to check the Printer after servicing or replacing parts, particularly belts.

Tap **Menu**, then **System Test** to open the **Password** screen. Enter the password and tap **"Submit"** to open the **System Test** screen.

NOTE: Prior to running the **System Test** make sure no media is loaded in the Printer and there are no obstructions in the media path.

The screenshot shows the 'Password' screen. On the left, there is a vertical status bar with 'ONLINE' at the top, followed by '0 Page', '0/200 Maintenance', '0 Job', and '0 Session'. Below this, it displays 'S1_Mk2_R1_Spre32: 0.0.38', 'Wed 07/18/19 02:10:27 pm', and 'RH: 24%'. The main area has 'System Status: ONLINE' and a 'Menu ↓' button. A 'Password' input field is present, followed by a numeric keypad with digits 1-9, 0, and a backspace key. A 'Submit' button is at the bottom.

The screenshot shows the 'System Test' screen. On the left, the status bar is identical to the previous screen. The main area has 'System Status: ONLINE' and a 'Menu ↓' button. Below this is a table of printer components with 'Test' buttons and status indicators. At the bottom are 'Clear', 'Test All', and 'Exit' buttons.

Feeder	Test	< 80	-
Printzone	Test	< 70	-
Sled	Test	< 50	-
Printhead	Test	< 30	-
Clamshell	Test	< 80	-
Ink Pump	Test	< 50	-
Sump	Test	< 40	-
Valve	Test	-	-
Wiper	Test	< 80	-

Using the SD Card USB Back-Up Port

When a FAT32 formatted USB Flash Drive is plugged into the USB port [A] (*located below the Touchscreen*), the **USB Backup** screen opens:

IMPORTANT

CONNECT ONLY A FAT32 FORMATTED FLASH DRIVE WITH THE PRINTER.

USB Storage Device Detected. Lists the Printer you are connected to, date and time.

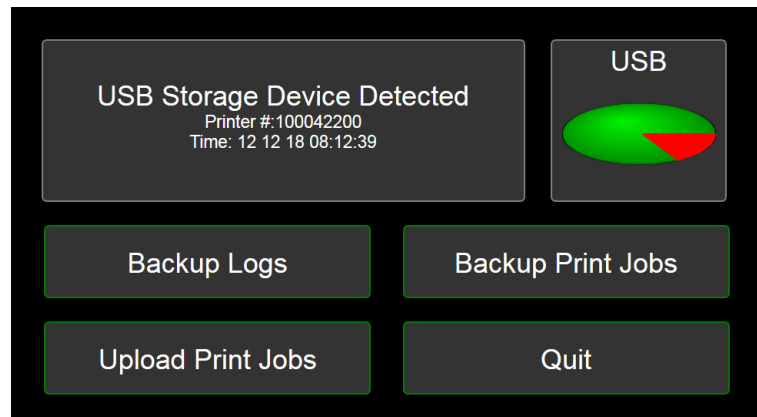
USB: Graph shows the amount of usable memory left on the USB Flash Drive plugged into the Printer.

Backup Logs: Backs up all of the **Debug Log** files currently on the Printer.

Backup Print Jobs: Backs up all of the **Print Jobs** saved in the Printer's **Print Job Library**.

Upload Print Jobs: Allows you to copy/transfer print jobs from other Printers and sources to this Printer.

Quit: Press to exit the backup screen and safely eject the USB Flash Drive.



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Using Printer Toolbox

Once Printer Driver is installed, you can access the **Printer Toolbox** remotely from a computer. You can check Printer status, monitor ink usage, perform diagnostic checks, print reports and run maintenance tasks on Printer from your computer. The **Toolbox** also has a more extensive list of functions not available on the **Touchscreen** and a password protected access to a range of options for qualified service personnel. For **Touchscreen** functions, see “Using Printer Touchscreen” preceding this section. **The Toolbox works with both conventional and touchscreen computer screens.**

To open Toolbox (on a computer):

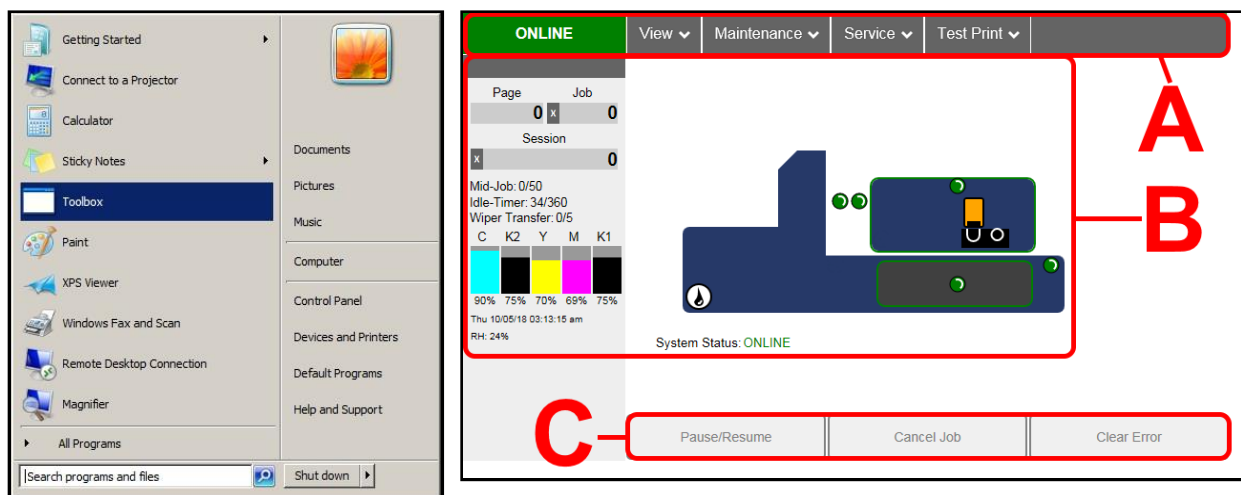
Open **Start Menu**; then click on **Toolbox**:

NOTE: Conventional Screens: Use your cursor. **Touchscreens:** Tap buttons or selections or use your cursor.

[A] System Status Indicator and Drop-Down Menu Options (at top of screen).

[B] Check Printer Status (across middle of screen).

[C] Three often-used control buttons (at bottom of screen).



Drop-Down Menu Options

There are four **Drop-Down Menus**:

View, Maintenance, Service and Test

Print. The drop-down menus are available on every Toolbox screen allowing you to

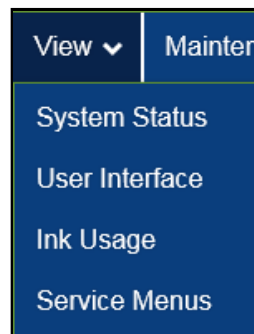
toggle between menus and select different Printer features and functions.



View Drop-Down

The **View** drop-down gives you four choices:

System Status, User Interface, Ink Usage and Service Menus.



System Status

This screen opens when you access the Toolbox. It provides information about the Printer.

Status Indicator shows Printer activity as **ONLINE**, **ERROR**, **MAINTENANCE**, **PRINTING** or **PAUSED**. The gray box (*below Status Indicator*) shows the name of the job being processed.

Page shows the page count for a given job.

Job shows number of jobs printed (*resettable*), **Session** shows the total number of pages printed by the Printers (*resettable*) over the length of a Session (*shift, day, week, etc.*).

Mid-Job counts down pages until the next automatic Printhead maintenance is performed by the Service Station. Count can be adjusted on the **User Interface** screen, **Mid-Job Servicing**. In this example, service is performed every 200 pages.

Idle Timer shows in minutes how often maintenance will run when Printer is not running. Minutes are settable on the **User Interface** screen, **Idle Timeout (min)**.

Example: 0 = idle minutes elapsed. 60 =

Preset amount of minutes Printer has to be idle before automatic maintenance is performed.)

Wiper Transfer shows how often a Wiper Transfer (*cleaning excess ink from the Service Station roller*) will be performed in relation to when Wipe Printhead or Printhead Cleaning is performed. This is settable on the **User Interface** screen, **Wipe Transfer Frequency**. Can be set from 0 (*every time a Wipe Printhead is performed*) or a set number such as 2 (*after every second Wipe Printhead is performed*.)

Ink Levels displays percentage of ink remaining in each of the Ink Tanks.

Date and Time shows current date and time. These can be configured and set by opening the **Service** dropdown screen, **System Settings, Date and Time**.

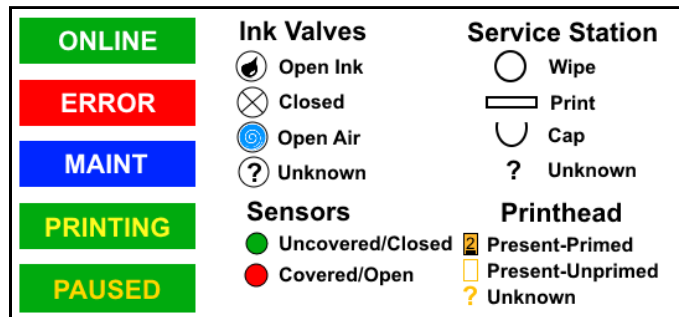
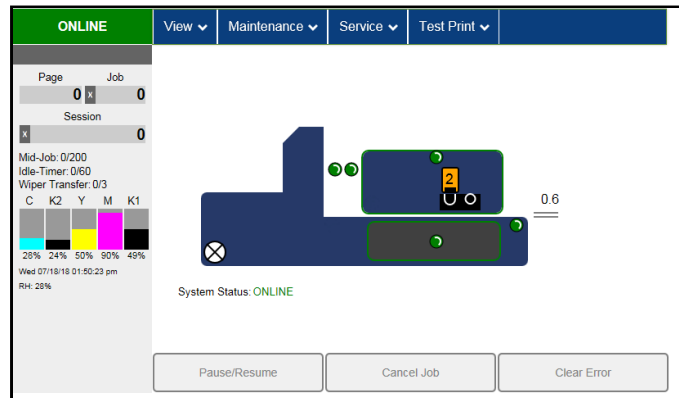
Relative Humidity (RH) displays the current ambient humidity detected near the Printer.

Printer Messages may appear under **RH (Relative Humidity)**.

Printer Icon: Shows status of Media Sensors located in the media feed path of the Printer. Also shows status of Ink Valves, Service Station, and Printhead. These can alert the operator to the type and location of a problem. (*See icon key above.*) Rolling over any of the status icons with your cursor pops up a description of that icon.

NOTE: Indicator at the exit end of the Printer icon (*example, 3.5mm*) displays the current Clamshell print height setting. The number inside Printhead Cartridge icon displays current Printhead Cartridge print height setting.

System Status displays current status of the Printer and/or an error message.



CONTROL BUTTONS (*located along bottom of screen*): Provide quick access to often-used functions.



Pause/Resume: Tap to temporarily stop printing. Tap again to resume printing.

Cancel Job: Cancels a paused job from the printing queue. **Cancel** is unavailable unless the **Pause** button has been pressed first. **NOTE: Cancelled jobs must be reloaded before printing can resume.**

Clear Error. Click to clear error messages after a Printer problem is resolved (*ie, after clearing a paper jam*).

User Interface

SET-UP SETTINGS:

Adjust automated service and cleaning intervals, adjust feeder speed for a job, manually set gap between pieces and adjust Printer for pre-printed media.

Mid-Job Servicing – Sets frequency of automatic maintenance cycles run during a job after a set amount of pages are run. In this example, maintenance will run after every 200 pages printed.

KWS Setting – (*Keep Wet Spitting*) Keeps the Printhead hydrated while running a job.

Select from 4 settings:

None, **Light**, **Medium** (*default*), and **Heavy** to determine how much ink will “spit” from Printhead Nozzles. Set in conjunction with “**Mid-Job Servicing**” which determines frequency of the Printer stopping for self-servicing during a job.

Interpage Frequency – Set how often the Printhead spits between pages to keep Printhead hydrated. Settable from **1-5** pages. For longer media a setting of **1** is normal (*between every page*); for short media a setting of **4** might be preferable (*spit after every fourth page*).

Idle Timeout (min) – Set in minutes how often maintenance will run when Printer is not running.

Wipe Transfer Frequency – Set how often a Wiper Transfer (*cleaning excess ink from the Service Station roller*) will be performed in relation to when Wipe Printhead or Printhead Cleaning is performed. Can be set from 0 (*every time a Wipe Printhead is performed*) or a set number such as 2 (*after every second Wipe Printhead is performed.*)

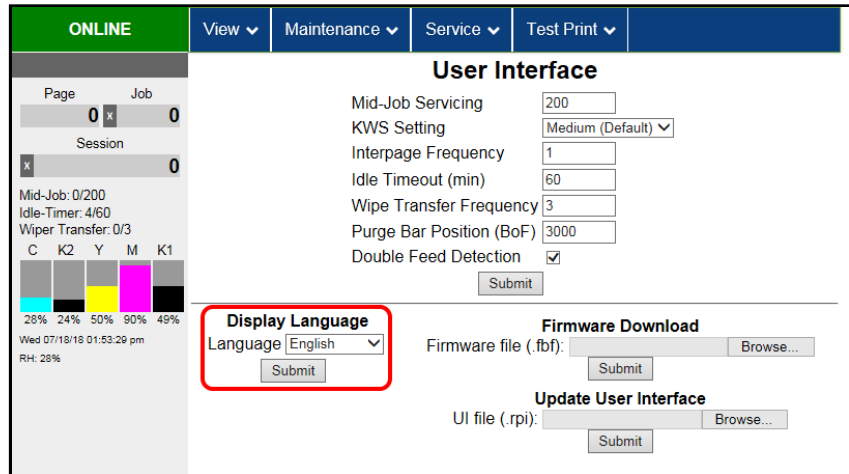
Purge Bar Position (BoF) – In operation, Printhead spits a small amount of ink in gap between pieces to keep nozzles refreshed. For irregular-shaped pieces (*like an envelope flap*), Sensor may “read” lower end as the edge and spray on the tip of flap instead of actual gap between pieces. This feature allows you to manually set gap (*1 micron increments*) to account for extra length needed to reach actual gap.

Double Feed Protection – When checked (*default*), stops feeding media when a double feed condition (*2 sheets at once*) is detected.

Click “**Submit**” to apply settings.

The screenshot shows the printer's User Interface. At the top, there is a navigation bar with 'ONLINE' in green and dropdown menus for 'View', 'Maintenance', 'Service', and 'Test Print'. Below this is a 'User Interface' section with a red border. Inside this section, there are several settings: 'Mid-Job Servicing' (200), 'KWS Setting' (Medium (Default)), 'Interpage Frequency' (1), 'Idle Timeout (min)' (60), 'Wipe Transfer Frequency' (3), 'Purge Bar Position (BoF)' (3000), and 'Double Feed Detection' (checked). A 'Submit' button is located below these settings. To the left of the 'User Interface' section, there is a status panel showing 'Page' and 'Job' counts (0 x 0), 'Session' count (0), and ink levels for C, K2, Y, M, and K1. Below the ink levels, there is a date and time display: 'Wed 07/18/18 01:53:29 pm' and 'RH: 28%'. Below the 'User Interface' section, there are two more sections: 'Display Language' (English) and 'Firmware Download' (Firmware file (.fbf):). Below these, there is an 'Update User Interface' section (UI file (.rpi):). Each of these sections has a 'Submit' button and a 'Browse...' button.

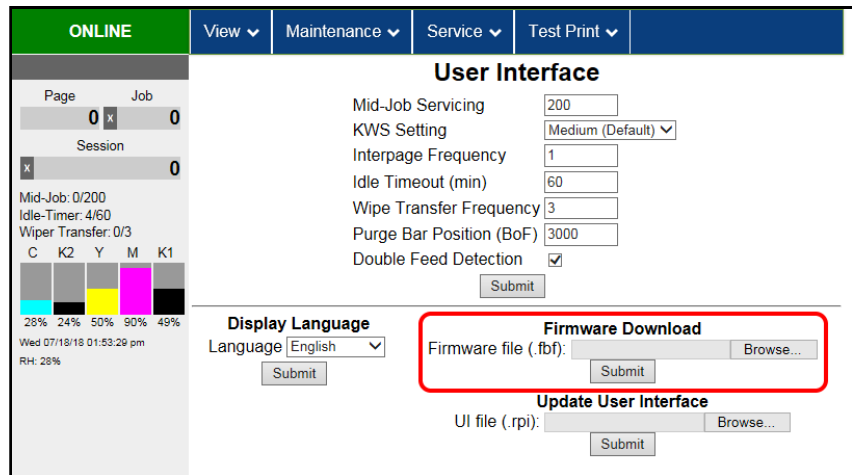
DISPLAY LANGUAGE: Selects language EWS (*Toolbox*) will display. Click “Submit” after selecting language.



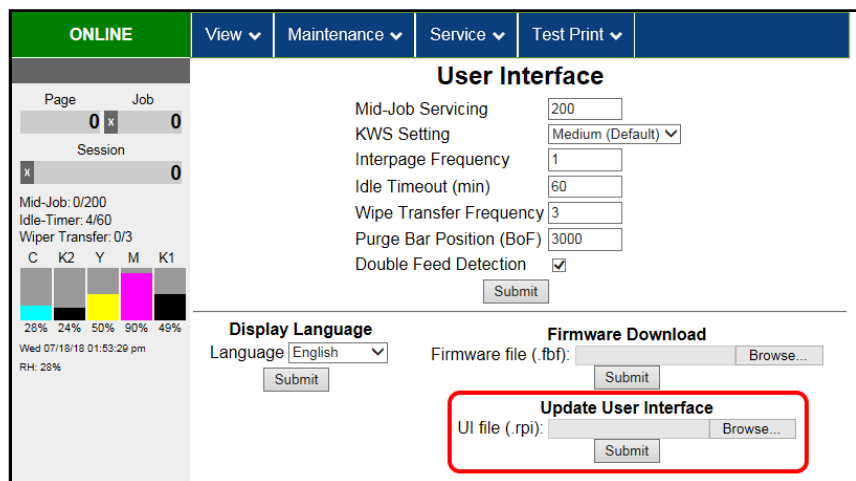
FIRMWARE DOWNLOAD: Get the latest version of firmware for your Printer. **Two types of firmware files are normally provided:** “.bin” files and “.fbf” files. “.fbf” files are loaded using the **Printer Toolbox**.

NOTE: Using the “.fbf” file procedure is an alternative method for downloading firmware. See “Updating Firmware Using “.bin” File” for the recommended procedure using the “.bin” files.

WARNING: This procedure should only be performed by qualified service personnel. In some cases firmware must be loaded using “Firmware Migration Tool”. If this process is not performed properly, Printer is rendered inoperable.



UPDATE USER INTERFACE: Download and install the latest User Interface UI (.rpi) file for the Printer Touchscreen. **NOTE:** Updating this file does not require shutting down or rebooting the Printer.



SECTION 3 OPERATING PRINTER

Ink Usage

Displays the amount of ink used and other information for each job sent to the Printer. Also tracks estimated **Page** and **Job Costs** if information is entered in **Job Cost Settings**.

INK ESTIMATION MODE – Lets you predetermine how much ink a given job may use prior to printing a job. This is useful for determining per piece costs. Job is sent to Printer and loads, but does not print. Once a job is loaded, click **“Refresh”** to show amount of ink (*by color*) that job will use.

Upload Table – Creates and opens a linkable tabular data file using programs such as Microsoft Excel. (*Microsoft Excel is the default.*)

Mode selection:

Off – Feature is disabled.

Continuous – Ink Estimation Mode continues running (*Printer will not print*), until feature is turned **“OFF”**.

Single Pass – Ink Estimation Mode runs once, then turns off. Printer will then be ready to print.

Click **“Submit”** to activate the **Mode** setting selected.

NOTE: Estimating process takes as long as job would take to print (i.e., if job would take 1 hour to print, estimate will take 1 hour to display. Track progress on the Counter located in the System Status window.)

Reset Page Counter – Tap or click this button to reset the Printer page count to 0. (**Page** on the Printer Toolbox and Touchscreen.)

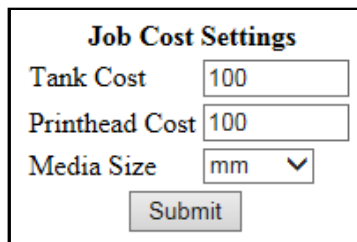
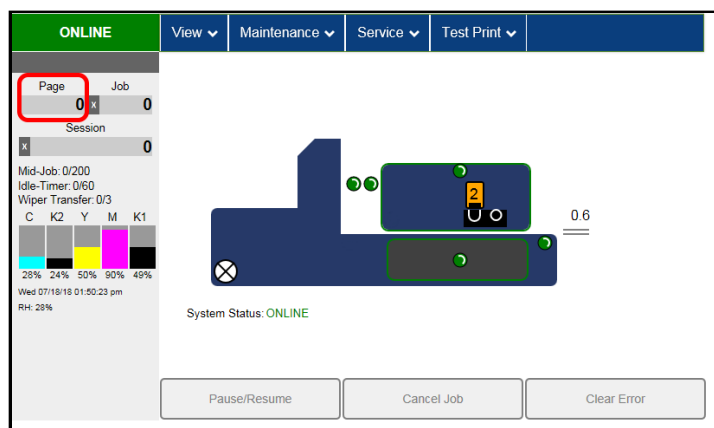
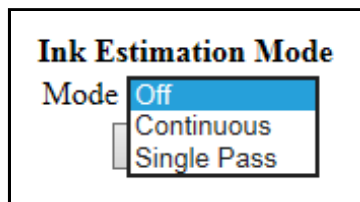
JOB COST SETTINGS – Enter your ink cost and printhead cost and media size preference (*inches or mm*).

Set a minimum of at least 100 pcs. to ensure a large enough sample size. Click **“Submit”**. In **Ink Estimation Mode**, this feature estimates per page cost and job cost without printing job.

With **Ink Estimation Mode** disabled, Printer still tracks estimated per page cost and estimated job cost as job is being printed. Once costs are entered, they will remain until changed again, even if Printer is turned OFF.

NOTE: This is only an estimate and does not include other factors such as Printer maintenance routines, (printhead wiping and cleaning, power up/down, etc.) that may affect overall result.

Ink Usage												
Printed Ink (µL)				Time	Job	Pages Printed	Quality	Media Type	Media Size (mm)	Estimated Page Cost	Estimated Job Cost	
Cyan	Magenta	Yellow	Black 1	Black 2								
0	0	0	1	1	18/07/18 14:20:48	3.4750079.pdf	1	Normal	Plain Paper	209 x 296	0.000	0.000
0	0	0	1	1	18/07/18 14:20:45	7.4750019.pdf	1	Normal	Plain Paper	209 x 296	0.000	0.000
0	0	0	1	1	18/07/18 14:20:43	6.4750055.pdf	1	Normal	Plain Paper	209 x 296	0.000	0.000
3	3	7	2	2	18/07/18 14:20:33	5.4750075.pdf	1	Normal	Plain Paper	209 x 296	0.000	0.000
0	0	0	0	0	18/07/18 14:17:02	4.4750075.pdf	1	Normal	Plain Paper	215 x 139	0.000	0.000
0	0	0	0	0	18/07/18 14:16:58	3.4750055.pdf	1	Normal	Plain Paper	215 x 139	0.000	0.000
0	0	0	0	0	18/07/18 14:16:54	2.4750019.pdf	1	Normal	Plain Paper	215 x 139	0.000	0.000
3	3	7	2	2	18/07/18 14:16:42	1.4750070.pdf	1	Normal	Plain Paper	215 x 139	0.000	0.000



Service Menus

Clicking **Service Menus** opens the **Service Menus (Diagnostics)** screen and service menu buttons.

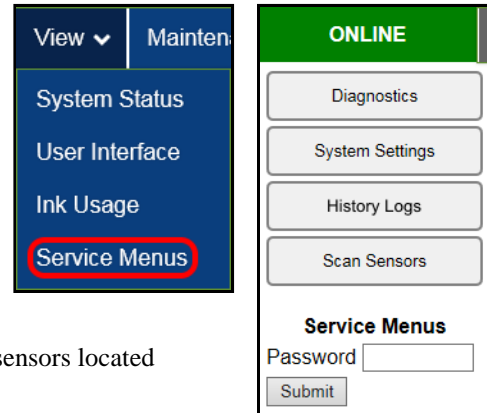
Diagnostics button. Click to check the status of the Printer.
(See *Diagnostics* below.)

System Settings button. Click to view, enter or change settings to connect Printer to your network. (See *Network Settings*.) Also configure and set the Printer's **Date and Time**. And set the level of detail desired for **Debug Logs**.

History Logs. Click to display a list of available Logs that can be opened or uploaded. Then select the Log or Logs to be uploaded.

Scan Sensors button. Provides status and a log of sensor activity on sensors located throughout the Printer. (See *Scan Sensors*.)

Service Menus, Password: Entering the **Service Menu password** provides access to more advanced Printer control and maintenance menus. For authorized service personnel only.



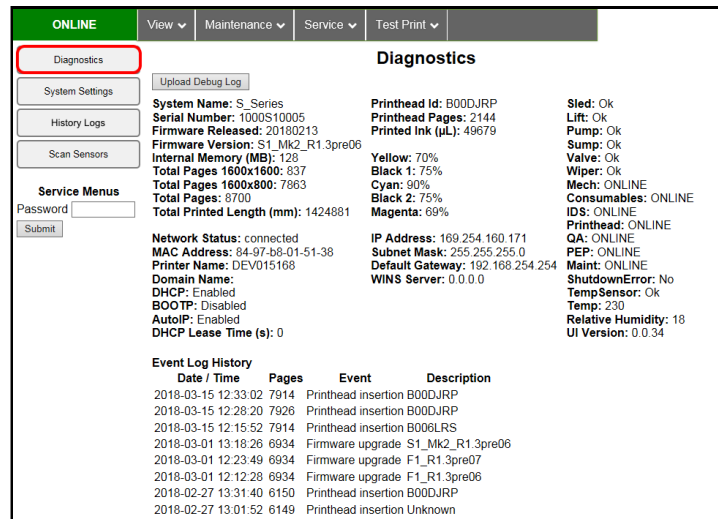
Diagnostics

This is the screen that opens when you select “**Service Menus**”. From this screen you can see current status of the Printer.

Other features:

Upload Debug Log – Upload and save a log of the Printer status to send to a technician to help diagnose a problem. Clicking this button creates a snapshot log showing everything going on with the Printer since powering up. (See *Sample Log* below right.)

NOTE: If a problem arises, try to recreate the problem, then press the **Upload Debug Log** button without performing any other actions. This may make it easier for the technician to determine the problem. If this is not possible, include any actions you may have taken after the problem began.

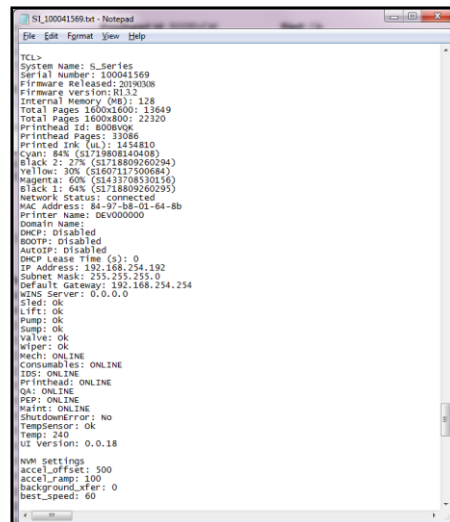


Other information provided in the Diagnostics window:

Event Log – Displays significant events occurring on the Printer (such as *firmware updates, errors, power off, etc.*) Useful for troubleshooting Printer problems.

NVM Settings – Displays Printer's current NVM (*Non-Volatile Memory*) settings. (Once settings are saved, they remain even when Printer is turned off, until they are manually changed.)

VARS Settings – Displays Printer's current VARS (*Variable*) settings. (Settings that are set for a particular job that automatically revert to the default settings when the Printer is turned off or rebooted.)



SECTION 3 OPERATING PRINTER

System Settings

Set up a network connection for the Printer. You can also configure and set the Printer **Date and Time**, set the **Debug Log Level** and **Screensaver** sleep timeout.

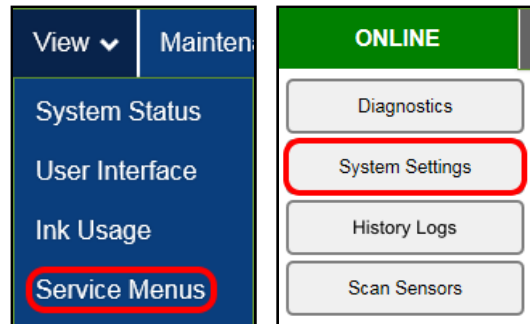
System Settings	
Network Settings	Date and Time
Printer Name <input type="text" value="DEV030201"/>	Date and Time <input type="text" value="10/05/18 03:19"/>
Domain Name <input type="text"/>	<input type="button" value="Submit"/>
dhcp <input checked="" type="checkbox"/>	Format (dd/mm/yy hh:mm)
bootp <input type="checkbox"/>	24 Hour <input type="checkbox"/>
autoip <input checked="" type="checkbox"/>	Date Format <input type="text" value="dd/mm/yy"/>
ip_address <input type="text" value="0.0.0.0"/>	<input type="button" value="Submit"/>
subnet_mask <input type="text" value="0.0.0.0"/>	Debug Level
def_gateway <input type="text" value="0.0.0.0"/>	debug_level <input type="text" value="0"/>
wins_server <input type="text" value="0.0.0.0"/>	<input type="button" value="Submit"/>
private_ip <input type="text" value="172.31.31.34"/>	Screensaver
ui_ip <input type="text" value="172.31.31.33"/>	ui_timeout_seconds <input type="text" value="600"/>
<input type="button" value="Submit"/>	<input type="button" value="Submit"/>

Network Settings – Permits you to view, enter or change settings to connect the Printer to your network.

Network Connection Set Up:

1. Printer is still connected to computer via USB cable. **To connect the Printer to a network:** From the **Toolbox**, select “**View**” drop-down menu, click “**Service Menus**”, then click “**System Settings**”.
2. “**System Settings**” screen opens. Use **Network Settings** to enter correct settings for your network.

NOTE: If manually changing the **ip_address**, make sure the “**dhcp**” and “**autoip**” boxes are unchecked. (Default is checked.) Enter changes in the appropriate boxes. Click “**Submit**”.



3. Connect Ethernet cable to Network Port on Rear Panel of Printer.



Network Settings	
Printer Name <input type="text" value="DEV030201"/>	
Domain Name <input type="text"/>	
dhcp <input checked="" type="checkbox"/>	
bootp <input type="checkbox"/>	
autoip <input checked="" type="checkbox"/>	
ip_address <input type="text" value="0.0.0.0"/>	
subnet_mask <input type="text" value="0.0.0.0"/>	
def_gateway <input type="text" value="0.0.0.0"/>	
wins_server <input type="text" value="0.0.0.0"/>	
private_ip <input type="text" value="172.31.31.34"/>	
ui_ip <input type="text" value="172.31.31.33"/>	
<input type="button" value="Submit"/>	

Date and Time – Enter or change the way the date and time will appear in the Printer Status section of the Toolbox screens. **To enter or change Date and Time:**

1. **From the Toolbox**, select “View” drop-down menu, click “Service Menus”, then click “System Settings”.
2. “System Settings” page opens. Use **Date and Time** options to enter, edit and format the Date and Time for the Printer.
3. Click “Submit”.

The screenshot shows the printer's Toolbox interface. The 'View' dropdown menu is open, showing 'Service Menus' selected. The 'System Settings' option is highlighted in the main menu. The 'System Settings' page is displayed, with the 'Date and Time' section highlighted by a red box. The 'Date and Time' section includes a 'Date and Time' field with the value '10/05/18 03:19', a 'Submit' button, a 'Format (dd/mm/yy hh:mm)' dropdown menu, a '24 Hour' checkbox, and a 'Date Format' dropdown menu. Below this section is the 'Debug Level' section with a 'debug_level' dropdown menu and a 'Submit' button. At the bottom is the 'Screensaver' section with a 'ui_timeout_seconds' field set to '600' and a 'Submit' button.

Debug Level – Set the detail level of the Debug Logs. **To change the Debug Level:**

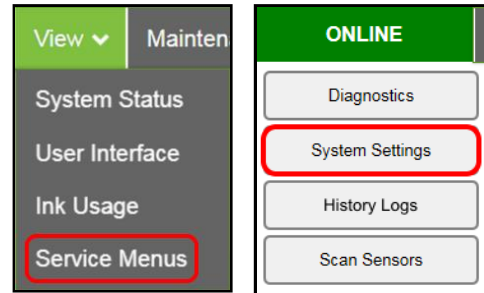
1. **From the Toolbox**, select “View” drop-down menu, click “Service Menus”, and then click “System Settings”.
2. “System Settings” page opens. Go to **Debug Level** options and select 0, 1, or 2 to set the desired detail level for the Printer. (0 = least detailed, 2 = most detailed).
NOTE: Because of the amount of data collected and stored, it is recommended that you not set the **Debug Level** over 1 unless asked by a service technician.
3. Click “Submit”.

The screenshot shows the printer's Toolbox interface. The 'View' dropdown menu is open, showing 'Service Menus' selected. The 'System Settings' option is highlighted in the main menu. The 'System Settings' page is displayed, with the 'Debug Level' section highlighted by a red box. The 'Debug Level' section includes a 'debug_level' dropdown menu and a 'Submit' button. The 'Date and Time' section is also visible, with the 'Date and Time' field set to '10/05/18 03:19'. Below the 'Debug Level' section is the 'Screensaver' section with a 'ui_timeout_seconds' field set to '600' and a 'Submit' button.

SECTION 3 OPERATING PRINTER

Screensaver – Set the amount of time the Touchscreen will remain idle before automatically going to Sleep Mode.

1. From the **Toolbox**, select “**View**” drop-down menu, click “**Service Menus**”, and then click “**System Settings**”.
2. “**System Settings**” page opens. Go to **Screensaver**. Enter the number of seconds the Touchscreen will remain idle before going to Sleep Mode.
3. Click “**Submit**”.



The image shows the 'System Settings' page. It is divided into three main sections: 'Network Settings', 'Date and Time', and 'Debug Level'. The 'Screensaver' section at the bottom right is highlighted with a red box. The 'Screensaver' section contains a text input field for 'ui_timeout_seconds' with the value '600' and a 'Submit' button below it.

Network Settings		Date and Time	
Printer Name	DEV030201	Date and Time	10/05/18 03:19
Domain Name			Submit
dhcp	<input checked="" type="checkbox"/>	Format (dd/mm/yy hh:mm)	
bootp	<input type="checkbox"/>	24 Hour	<input type="checkbox"/>
autoip	<input checked="" type="checkbox"/>	Date Format	dd/mm/yy
ip_address	0.0.0.0		Submit
subnet_mask	0.0.0.0		
def_gateway	0.0.0.0		
wins_server	0.0.0.0		
private_ip	172.31.31.34		
ui_ip	172.31.31.33		
	Submit		
		Debug Level	
		debug_level	0
			Submit
		Screensaver	
		ui_timeout_seconds	600
			Submit

History Logs

Access, print or send activity logs for the Printer and for jobs run on the Printer. These files are valuable for diagnosing and servicing problems.

All – Shows all log files available.

Debug – Shows only **Debug** log files.

Jobs – Shows only **Jobs** printed log files.

ONLINE View Maintenance Service Test Print

Diagnostics **All** Debug Jobs

System Settings

History Logs

Scan Sensors

Service Menu

Password

Submit

Available Files

Files	Size
job_2018-03-19.log	74
job_2018-03-18.log	355
job_2018-03-16.log	573
job_2018-03-15.log	295
job_2018-03-05.log	100
job_2018-03-02.log	2531
job_2018-03-01.log	2651
job_2018-02-28.log	206
job_2018-02-27.log	4619
job_2018-02-20.log	932
job_2018-02-19.log	933
job_2018-02-18.log	2894
job_2018-02-14.log	1295
job_2018-02-13.log	3691
job_2018-02-12.log	4864
job_2018-02-08.log	1557
job_2018-02-07.log	615
job_2018-02-06.log	1734
job_2018-02-02.log	3753

1 2 3 4 5 6

ONLINE View Maintenance Service Test Print

Diagnostics All **Debug** Jobs

System Settings

History Logs

Scan Sensors

Service Menu

Password

Submit

Available Files

Files	Size
2018-03-20.log	3293
2018-03-19.log	13651
2018-03-19.log	8680
2018-03-17.log	6179
2018-03-16.log	67304
2018-03-15.log	17204
2018-03-05.log	6801
2018-03-04.log	8214
2018-03-03.log	5556
2018-03-02.log	48210
2018-03-02-093447.log	100065
2018-03-01.log	25371
2018-03-01-150646.log	100018
2018-02-28.log	9423
2018-02-27.log	99254
2018-02-27-141815.log	100020
2018-02-20.log	53759
2018-02-19.log	38749
2018-02-18.log	97203

1 2 3 4

ONLINE View Maintenance Service Test Print

Diagnostics All Debug **Jobs**

System Settings

History Logs

Scan Sensors

Service Menu

Password

Submit

Available Files

Files	Size
job_2018-03-19.log	74
job_2018-03-18.log	355
job_2018-03-16.log	573
job_2018-03-15.log	295
job_2018-03-05.log	100
job_2018-03-02.log	2531
job_2018-03-01.log	2651
job_2018-02-28.log	206
job_2018-02-27.log	4619
job_2018-02-20.log	932
job_2018-02-19.log	933
job_2018-02-18.log	2894
job_2018-02-14.log	1295
job_2018-02-13.log	3691
job_2018-02-12.log	4864
job_2018-02-08.log	1557
job_2018-02-07.log	615
job_2018-02-06.log	1734
job_2018-02-02.log	3753

1 2

SECTION 3 OPERATING PRINTER

Scan Sensors

Provides status updates and an activity log on the Sensors located throughout the Printer.
Click **“Stop”** button to stop scanning or click out of **“Scan Sensors”**.

ONLINE		View	Maintenance	Service	Test Print	Sensor History																							
Feeder Sensor	Entry Sensor	Exit Sensor	Valve Position	Sled	Lifter	Service Station	Lift Home	Lift Encoder	Sled Home	Sled Encoder	Printhead Latch	Print Encoder	Pump Running	Pump Encoder	Wiper Running	Wiper Encoder	Sump Encoder	Feeder Encoder	Thickness Encoder	Thickness Home	Valve Sensor 1	Valve Sensor 2	Temperature	Y Out	M Out	C Out	K1 Out	K2 Out	
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No
0	0	0	closed	cap	cap	cap	Off	-4633	Off	-29225	Closed	1180983	No	-2694828	No	-18030533	195808	833600	833600	No	On	Off	275	No	No	No	No	No	No

Maintenance Drop-Down

Perform maintenance tasks on the Printer.

Circulate Ink – Purges air from lines and primes system after replacing Ink Tanks or Printhead Cartridge.

Normal Clean Printhead – Runs cleaning and wiping routine twice for better flushing and cleaning.

Wipe Printhead – Wipes and cleans excess ink from Printhead Cartridge.

Inspect Sled – Moves Service Station out for inspection, cleaning or service.

End Inspection – Moves Service Station back into position under the Printhead.

Wiper Transfer – Squeegees excess ink off of Service Station Wiper Roller.



Service Drop-Down

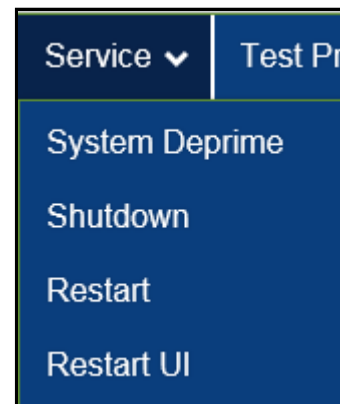
Control functions that require the Printer to be out of service for extended periods of time while they are being performed.

System Deprime – Pumps ink back into Ink Tanks prior to replacing the Printhead Cartridge or transporting the Printer.

Shutdown – Turns Printer OFF. For best system performance, it is recommended to keep Print Engine powered-up (*ON/OFF light illuminated*) at all times. If turning Printer off, first power-down Print Engine using **“Shutdown”** button in **Toolbox** or ON/OFF button on Control Panel. Wait until all Control Panel buttons go out before turning off Main Power Switch.

Restart – Restarts the Printer without having to perform the startup routine (*purging ink tanks, priming, etc.*)

Restart UI – Restarts the Printer Touchscreen without having to perform the Printer startup routine (*purging ink tanks, priming, etc.*)



Test Print Drop-Down

Print various reports and Printer tests.

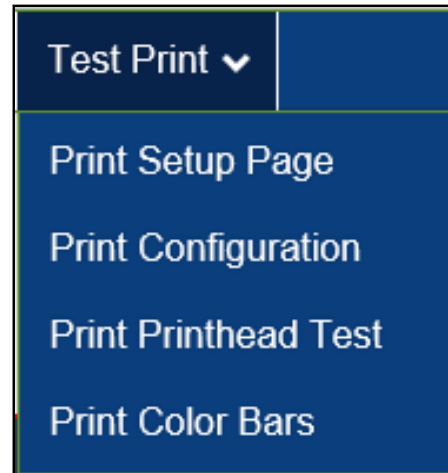
Each printout displays information about the Printer.

Print Setup – Prints a printing pattern used for positioning an image on the page.

Print Configuration – Prints current Printer configuration including Firmware Version, Network Connection, Printer Serial Number and more.

Print Printhead Test – Prints color bands, text and patterns to check condition of Printhead's ink nozzles. **NOTE: Uses less ink than Print Color Bars.**

Print Color Bars – Prints a series of 7 color bars (*per Printhead*) to indicate how well Printheads are mixing colors and printing.



Update Firmware using “.bin” Files

Get latest version of firmware for your Printer.

NOTE: Use this procedure to update firmware AFTER you have updated the Printer Driver.

Printer Driver update procedure is included with an “Update Package” which includes both updated Printer Drivers and firmware updates.

How to download new firmware using “.bin” file:

1. When you are notified that new firmware is available for your Printer, download the “*.bin” file and save it to your desktop.
2. From **Start Menu**, open **All Programs**. Open “**Memjet**” folder, then “**S Series Driver**”. Click “**Update Firmware**”.
3. Click “**Browse**” button. Find and select file just saved to your desktop. Click “**Open**”.
4. When “**Update printer firmware**” window opens, select S-Series Printer you want to update.
NOTE: You can only update one Printer at a time.
5. Click “**Update**”. **DO NOT touch Printer until firmware is loaded!** A message appears on screen warning you not to unplug or shut off Printer.
6. Once firmware finishes loading (*about 5-10 minutes*), Control Panel lights and Printer shuts OFF, then restarts automatically to complete installation.

