



SIMPLICiTY™

**OPTIMiZE Workflow
Module**

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1.1 Introduction

The OPTIMiZE Workflow Module measures and assesses the operating efficiency of the printer and provides visual charts to help the user with a better understanding of printer performance.

Following the assessment of this data, the printer provides recommendations to optimize the printer performance in the following areas:

- Operator interaction with the printer
- Environmental conditions surrounding the printer
- Printer maintenance

For more information contact Videojet customer service or your local distributor.

1.2 OPTIMiZE Workflow Module

To access the OPTIMiZE Workflow Module, follow the steps below:

1. Turn on the printer. The printer will start up and on completion, the Home screen will be displayed. The printer will be in SHUTDOWN mode as shown in [Figure 1-1](#).

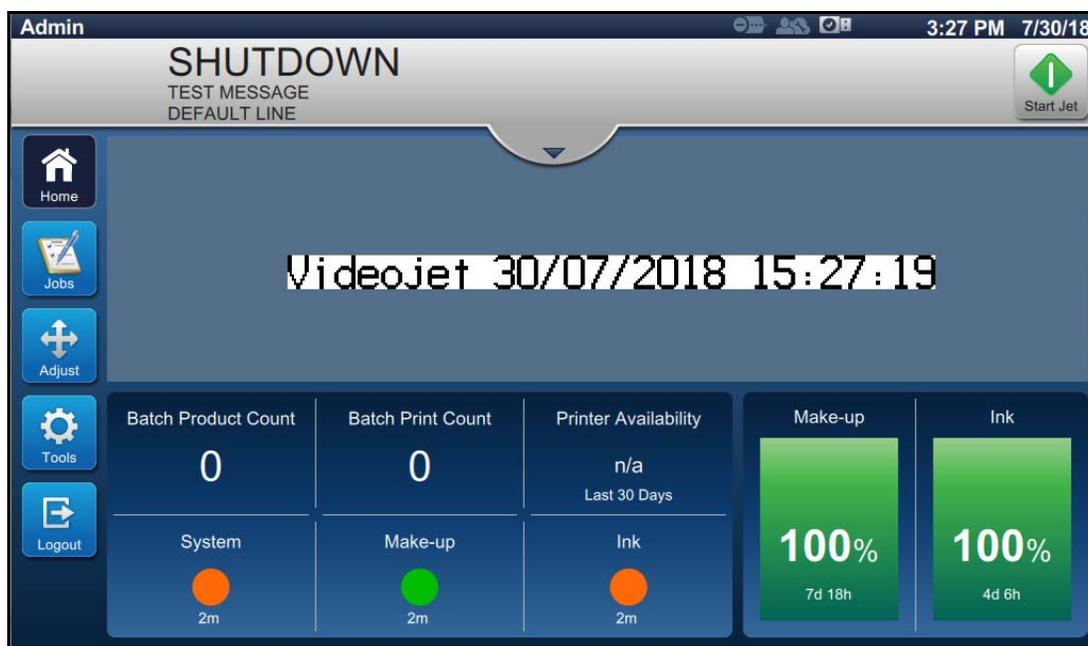


Figure 1-1: Home Screen

2. Touch the *Login* button and set the role to Admin user level. Enter the required password (default = 3333) to login to the system (Figure 1-2).

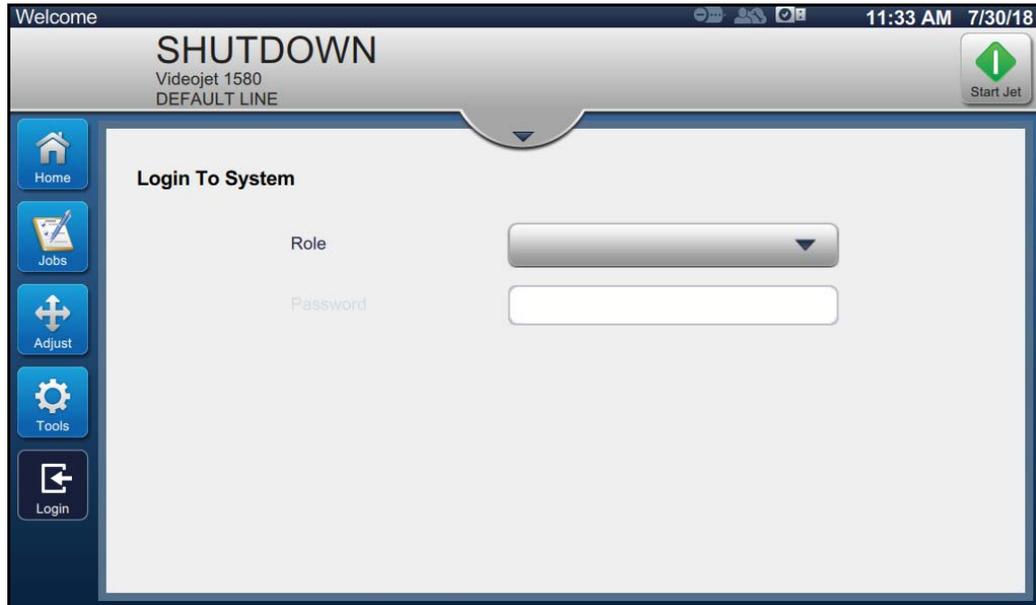


Figure 1-2: Login Screen

3. Navigate to *Tools > OPTIMIZE* as shown in Figure 1-3. Alternatively select the OPTIMIZE dashboard from the Home screen (Figure 1-1 on page 1-1).

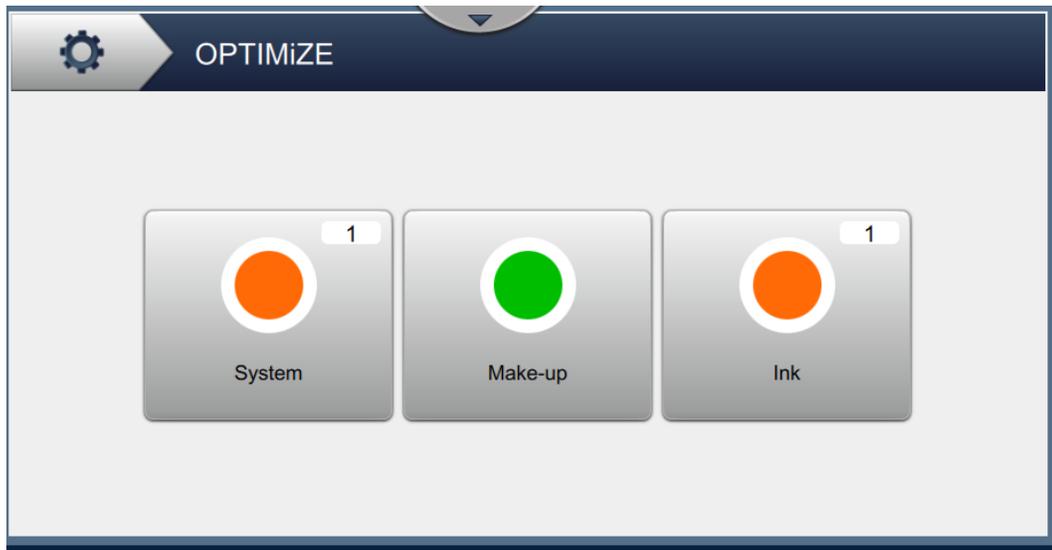


Figure 1-3: OPTIMIZE Screen

The OPTIMIZE Workflow Module monitors the printer efficiency across three areas: System, Make-up and Ink. The dashboard indicates green, yellow and orange based on the measured data against the optimal rating. The number displayed in the right hand corner, indicates the number of areas that are currently less than optimal.

2.1 OPTIMiZE Data Panels

Selecting one of the options, System, Make-up and Ink, from the dashboard will open up the associated data panel which provides a visual aid for each of the performance areas against the optimal performance.

The data panels also include an option to review the active recommendations to optimize the printer efficiency. Selecting a data graphic will provide additional information for review.

Note: When the printer is fully optimized, no recommendations will be available.

2.1.1 OPTIMiZE - System

The System data panel monitors performance of the following areas:

1. Power Consumption
2. Fluid Consumption
3. Ink Temperature

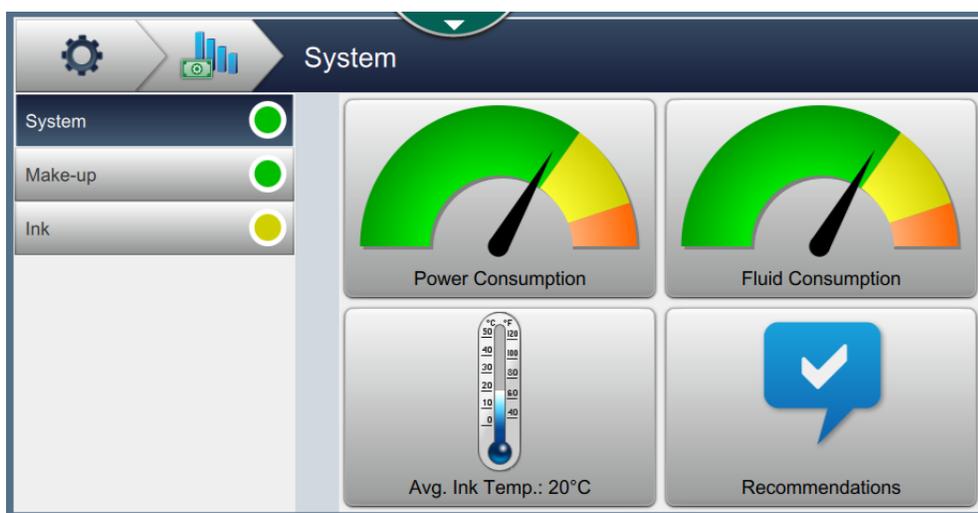


Figure 2-1: OPTIMiZE Data Panel- System

Option	Description
Power Consumption	<p>The graphic displays the power consumption efficiency measured as the time the printer is printing against the time the printer is powered on but not printing.</p> <p>The chart shows the amount of time the printer is powered on for two operating states. Printing shows the percentage of time the printer is powered on and printing. Power Wastage shows the percentage of time the printer is powered on but not printing.</p>

Table 2-1: OPTIMiZE Data Panel - System

Option	Description
Fluid Consumption	<p>The graphic displays the fluid consumption efficiency measured as the time the printer is printing against the time the jet is running but not printing.</p> <p>The chart shows the amount of time the Jet is on for two operating states. Printing shows the percentage of time the printer is printing. Fluid Wastage shows the percentage of time the Jet is on but not printing.</p>
Ink Temperature	<p>The graphic displays the average ink temperature measured over the last week.</p> <p>The chart shows the ink temperature measured by the printer over the selected period of time.</p>
Recommendations	<p>Displays recommendations based on the data gathered and analyzed by the Workflow Module.</p> <p><i>Note: All active recommendations will be displayed for all of the three areas.</i></p>

Table 2-1: OPTIMIZE Data Panel - System (continued)

2.1.1.1 Power Consumption

Touch the  to display the power consumption status over the selected period of time (Figure 2-2).

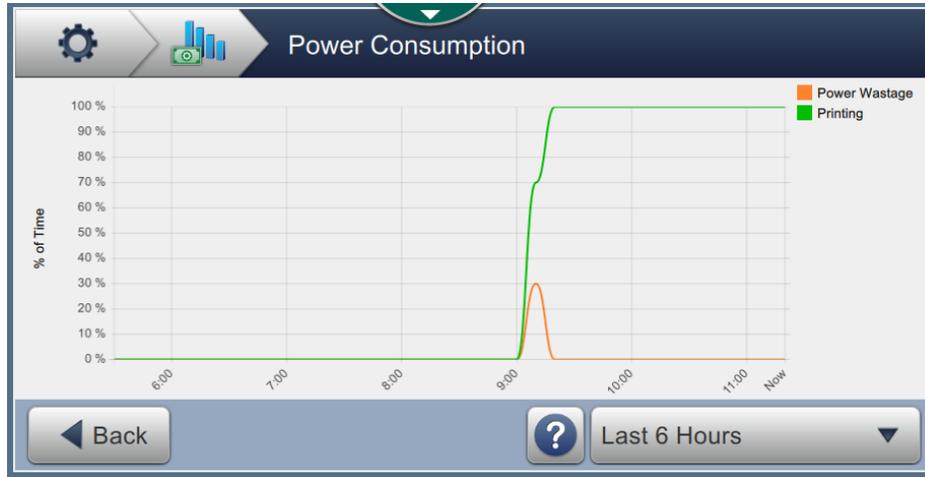


Figure 2-2: Power Consumption Screen

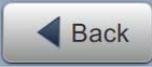
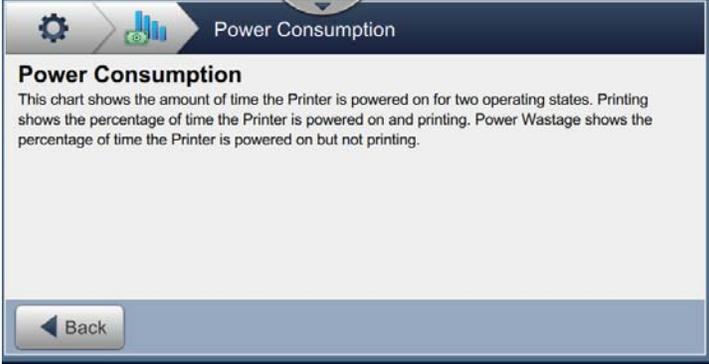
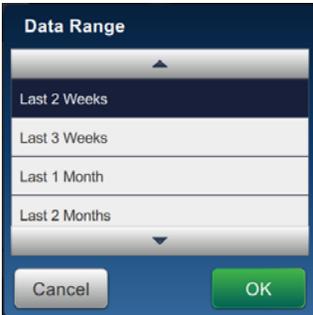
Option	Description
	Allows the user to go back to the previous screen.
	Provides an explanation of the chart. 
	Allows the user to select the required time range for the chart. 

Table 2-2: Power Consumption

2.1.1.2 Fluid Consumption

Touch the  to display the fluid consumption status over the selected period of time (Figure 2-3).

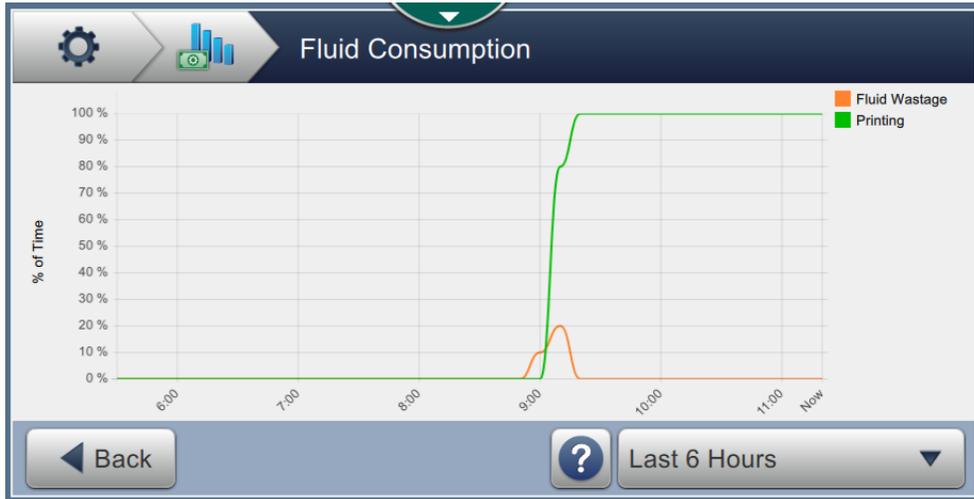


Figure 2-3: Fluid Consumption Screen

2.1.1.3 Ink Temperature

Touch the  to display the ink temperature over the selected period of time (Figure 2-4).

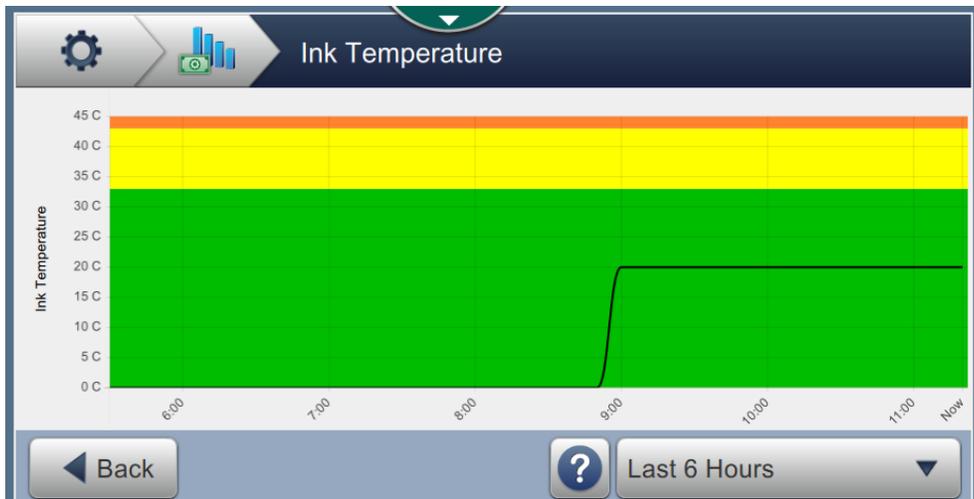


Figure 2-4: Ink Temperature Screen

2.1.1.4 Recommendations

Touch the  to display the available recommendations to improve the printer performance (Figure 2-5).

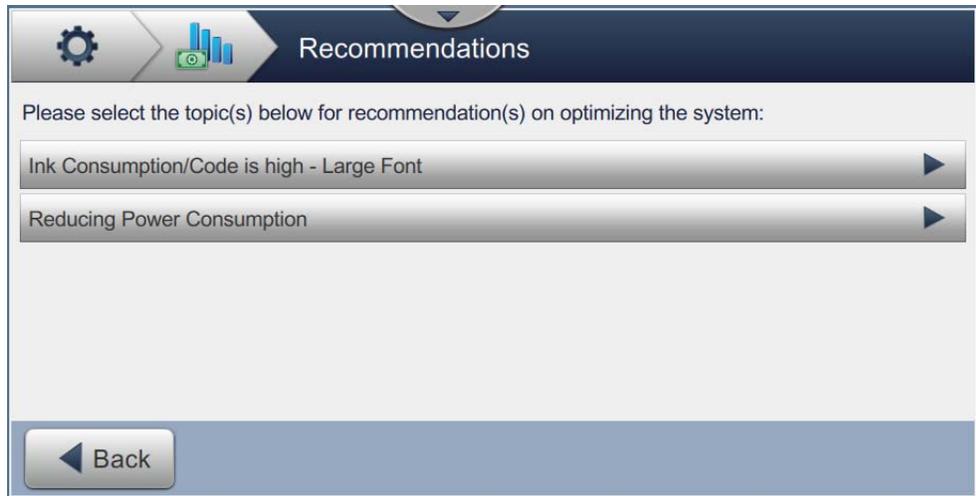


Figure 2-5: Recommendation Screen

Select a recommendation to review the current performance and the recommended action to optimize the performance of the printer (Figure 2-6).



Figure 2-6: Reducing Power Consumption Screen

2.1.2 OPTIMiZE - Make-up

The Make-up data panel monitors performance of the following areas:

1. Ambient Temperature
2. Make-up Consumption
3. Make-up Waste

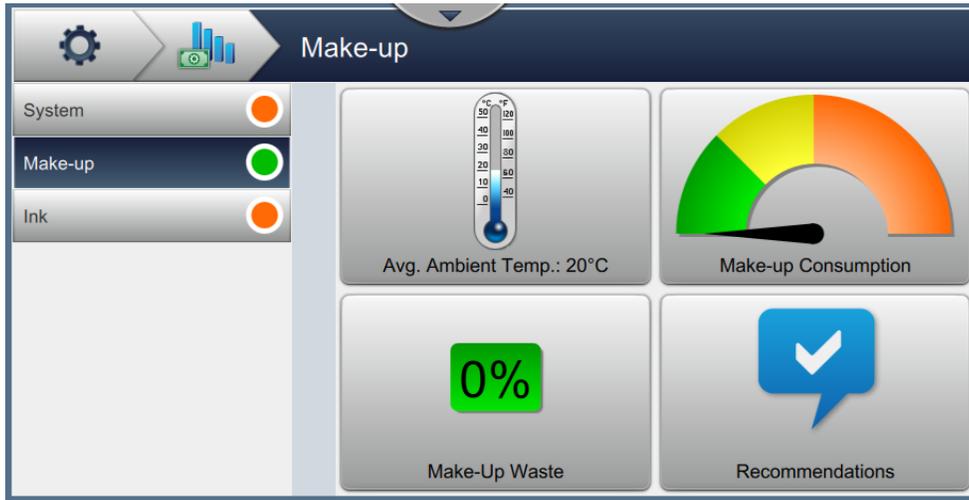


Figure 2-7: OPTIMiZE Data Panel- Make-up

Option	Description
Ambient Temperature	<p>The graphic displays the average ambient temperature measured over the last week.</p> <p>The chart shows the ambient temperature measured by the printer over the selected period of time.</p>
Make-up Consumption	<p>The graphic displays the make-up consumption efficiency based on the current make-up consumption rate.</p> <p>The chart shows the average make-up consumption measured by the printer over the selected period of time.</p>
Make-up Waste	<p>The graphic displays the percentage of unused make-up.</p> <p>The Make-up Waste table shows recorded data for the cartridges used and details how much unused make-up was left in the cartridge when removed.</p>
Recommendations	<p>Displays recommendations based on the data gathered and analyzed by the Workflow Module.</p>

Table 2-3: OPTIMiZE Data Panel - Make-up

2.1.2.1 Ambient Temperature

Touch the  to display the ambient temperature over the selected period of time (Figure 2-8).

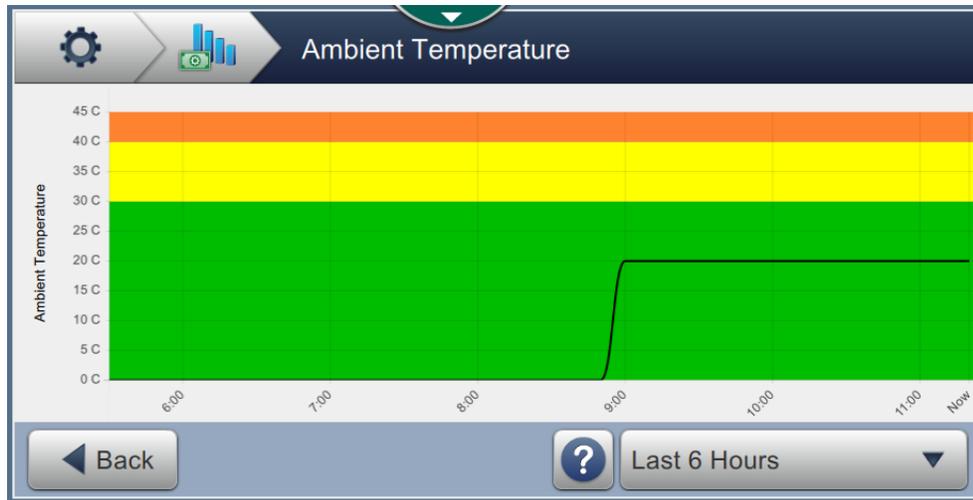


Figure 2-8: Ambient Temperature Screen

2.1.2.2 Make-up Consumption

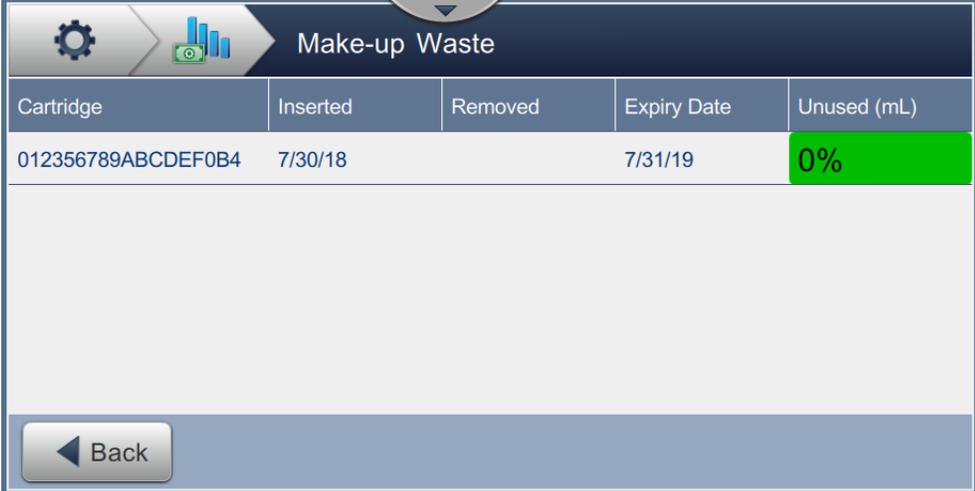
Touch the  to display the make-up consumption status over the selected period of time (Figure 2-9).



Figure 2-9: Make-up Consumption Screen

2.1.2.3 Make-up Waste

Touch the **0%** to display the cartridge details along with the unused amount in% (Figure 2-10).



Cartridge	Inserted	Removed	Expiry Date	Unused (mL)
012356789ABCDEF0B4	7/30/18		7/31/19	0%

The screenshot shows a mobile application interface for 'Make-up Waste'. At the top, there is a dark blue header with a gear icon, a bar chart icon, and the title 'Make-up Waste'. Below the header is a table with five columns: 'Cartridge', 'Inserted', 'Removed', 'Expiry Date', and 'Unused (mL)'. The first row of data shows a cartridge ID '012356789ABCDEF0B4', an insertion date of '7/30/18', an expiry date of '7/31/19', and an unused amount of '0%'. The '0%' value is highlighted in a bright green box. At the bottom left of the screen, there is a 'Back' button with a left-pointing arrow.

Figure 2-10: Make-up Waste Screen

2.1.2.4 Recommendations

Refer to [2.1.1.4, "Recommendations"](#) on page 2-5 for information.

2.1.3 OPTIMIZE - Ink

The Ink data panel monitors performance of the following areas:

1. Ink Consumption
2. Ink Consumption / Code
3. Ink Waste



Figure 2-11: OPTIMIZE Data Panel - Ink

Option	Description
Ink Consumption	The graphic displays the ink consumption efficiency based on the current ink consumption rate. The chart shows the average ink consumption measured by the printer over the selected period of time.
Ink Consumption / Code	The graphic displays the average ink consumption for the current code. The chart shows the ink consumption for the currently selected job being printed, in addition to the ink consumption for previous printed jobs.
Ink Waste	The graphic displays the percentage of unused ink. The Ink Waste table shows recorded data for the cartridges used and details how much unused ink was left in the cartridge when removed.
Recommendations	Displays recommendations based on the data gathered and analyzed by the Workflow Module.

Table 2-4: OPTIMIZE Data Panel - Ink

2.1.3.1 Ink Consumption

Touch the  to display the ink consumption status over the selected period of time (Figure 2-12).



Figure 2-12: Ink Consumption Screen

2.1.3.2 Ink Consumption / Code

Touch the  to display the average ink consumption per code for the last 12 printed jobs (Figure 2-13).

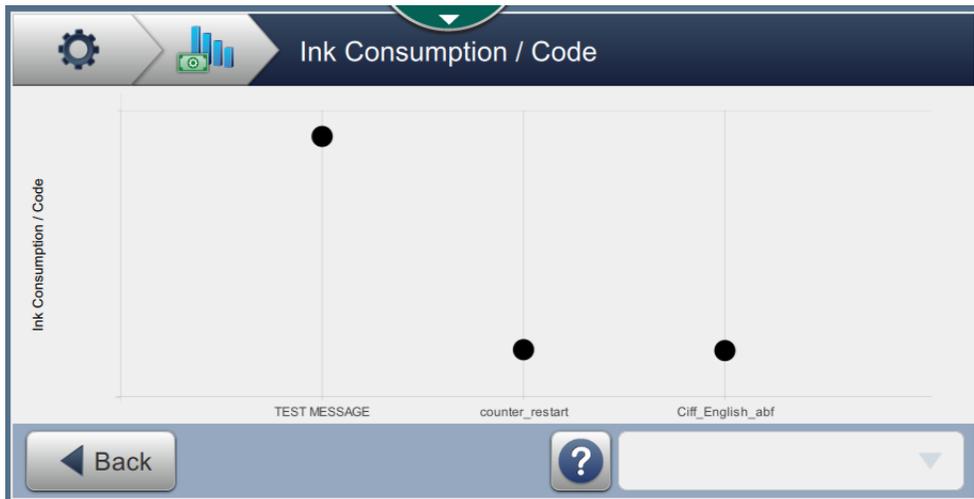


Figure 2-13: Ink Consumption / Code Screen

2.1.3.3 Ink Waste

Touch the  to display the cartridge details along with the unused amount in% (Figure 2-14).



Cartridge	Inserted	Removed	Expiry Date	Unused (mL)
012356789ABCDEF0B4	7/30/18		7/31/19	0%

Figure 2-14: Ink Waste Screen

2.1.3.4 Recommendations

Refer to [2.1.1.4, "Recommendations" on page 2-5](#) for information.

2.2 OPTIMiZE - Export

When logged in at the elevated login level, the OPTIMiZE export tool is available to export the data gathered from the OPTIMiZE Workflow Module.



Figure 2-15: OPTIMiZE - Engineering Mode