

Reference 1: Edit screen sets


The default path for the screen sets is J:_SO_Config

ScreenSet1.xml - ScreenSet10.xml

This default path is on the PST for Packaging server. The steps below, except for the Microsoft Excel one, reference this path. If you do not have access to the PST for Packaging server or wish to edit on a different computer, copy the ScreenSets to your desired location for editing, then copy the edited versions back to the default location on the PST for Packaging server.

Screen set variables

Name	Cyan, Magenta, Yellow, Black, and 1 thru N, where N is the max number of spot separations. Must be 1-N in order.
ScreenType	AM (Maxtone), AMCX (Maxtone CX), AMSX (Maxtone SX)
DotShape	For AM = Round, Round-Square(Euclidean), EllipticalP, Square1, Square, Line, Line1, Light Elliptical, Heavy Elliptical, Rhomboid For AMCX = Round, Round-Square(Euclidean), EllipticalP, Square1, Square, Line, Line1, Light Elliptical, Heavy Elliptical, Rhomboid For AMSX = Round1, Euclidean
ScreenRuling	(See Process Template Editor for complete list of available ScreenRulings) For AM = 80, 90, 95, 100, 110, 120, 133, 141, 150, 175, 190, 200 For AMCX = 80, 90, 95, 100, 110, 120, 133, 141, 150, 175, 190, 200 For AMSX = 80, 90, 95, 100, 110, 120, 133, 141, 150, 175, 190, 200
Angle	For AM/AMCX = 0, 7.5, 15, 22.5, 30, 37.5, 45, 52.5, 60, 67.5, 75, 82.5, 18.4, 71.6, 90, 97.5, 105, 120, 135, 157.5, 165, 172.5 For AMSX = 0, 7.5, 15, 22.5, 30, 37.5, 45, 52.5, 60, 67.5, 75, 82.5
Highlight_SX	1x1, 1x2, 2x2, 2x3, 3x3, 3x4, 4x4
Shadow_SX	None, 1x1, 1x2, 2x2, 2x3, 3x3, 3x4, 4x4
Highlight_CX	A calculated micron size as an integer value only. Such as, 10, 20, 30. A value must be set, use "0" if no value.
Shadow_CX	A calculated micron size as an integer value only. Such as, 10, 20, 30. A value must be set, use "0" if no value.

Calibration	<p>C3-XX or None, where XX is the end of the created Process Template names that have a specific calibration applied. Process Templates with no calibration should end in "None".</p> <p>Note: If you want create a custom curve, the name of the process template must be SO_Base_<custom name>. You can then use the <custom name> when editing ScreenSets or in the job to edit screens on-the-fly.</p> 
HyperFlexClassic	<p>Used with Maxtone CX to support highlight dots. Integer value, Requires default value "0"</p>
MinCalibrationTint	<p>Used to cut off high light dots. Decimal value, Requires default value "0"</p>

Edit a ScreenSet with Notepad++

Requirements: A version of Notepad++ should already be installed on the PST for Packaging server. If not, or if you' would like to download the latest version, go to <https://notepad-plus-plus.org/download> and download the x64 version.

1. Open Notepad++.
2. The program remembers the last files it opened so close the files that are not needed.
3. From the **File** menu, select **Open**.
4. Navigate to J:_SO_Config and select a ScreenSet#.xml file.
5. Click **Open**.

6. Edit as desired screen sets with valid variables. When you complete editing, save and exit.

Edit a ScreenSet with Microsoft Excel

It is not recommended to install Microsoft Excel on the PST for Packaging server. If you want to use Excel, copy the ScreenSets to the computer where Excel is installed and then copy the edited versions back to the PST for Packaging server.

The following steps are based on Microsoft Excel 2016.

1. Start the Excel software.
2. Navigate to and open a ScreenSet#.xml file.
3. In the Open XML window that appears select the default **As an XML table**, and click **OK**.
4. If the **Info** window appears, click **OK**.
5. Each color gets its own row and the fields are columns.

	A	B	C	D	E	F	G	H	I	J	K	L
1	Name	ScreenType	DotShape	ScreenBulb	Angle	Highlight_SX	Shadow_SX	Highlight_CX	Shadow_CX	Calibration	HyperTextClass	MinCalibrationTint
2	Cyan	AM	Round		133	15			0	0 C3-26	3	0
3	Magenta	AM	Round		133	75			0	0 C3-26	3	0
4	Yellow	AM	Round		133	0			0	0 C3-26	3	0
5	Black	AM	Round		133	45			0	0 C3-26	3	0
6	1	AM	Round		133	45			0	0 C3-26	3	0
7	2	AM	Round		133	45			0	0 C3-26	3	0
8	3	AM	Round		133	45			0	0 C3-26	3	0
9	4	AM	Round		133	45			0	0 C3-26	3	0
10	5	AM	Round		133	45			0	0 C3-26	3	0
11	6	AM	Round		133	45			0	0 C3-26	3	0
12	7	AM	Round		133	45			0	0 C3-26	3	0
13	8	AM	Round		133	45			0	0 C3-26	3	0
14	9	AM	Round		133	45			0	0 C3-26	3	0
15	10	AM	Round		133	45			0	0 C3-26	3	0
16	11	AM	Round		133	45			0	0 C3-26	3	0
17	12	AM	Round		133	45			0	0 C3-26	3	0
18	13	AM	Round		133	45			0	0 C3-26	3	0
19	14	AM	Round		133	45			0	0 C3-26	3	0
20	15	AM	Round		133	45			0	0 C3-26	3	0
21	16	AM	Round		133	45			0	0 C3-26	3	0
22	17	AM	Round		133	45			0	0 C3-26	3	0
23	18	AM	Round		133	45			0	0 C3-26	3	0

6. Edit as desired with valid variables.
7. Select **File -> Save As**.
8. Navigate to the location of the ScreenSets on the computer you are working on.
9. In the **Save as type** menu, select **XML Data**.
10. Select the ScreenSet#.xml file, and click **Save**.
11. Click **Yes** to overwrite.