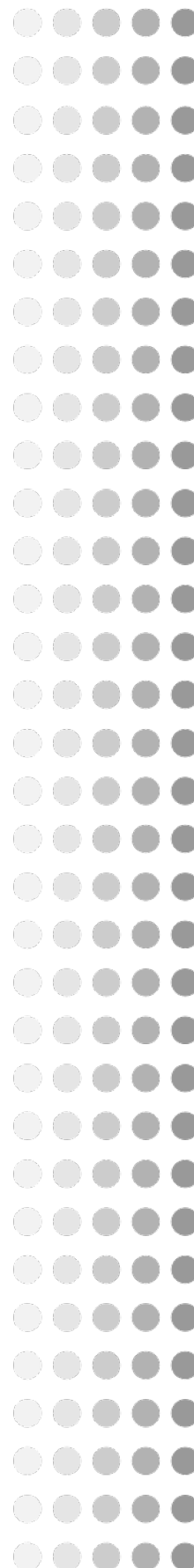




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Cayman-Toolbox - Examples

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1 Introduction and overview

1.1 Introduction

- To test the examples you need Cayman version 14 or higher.
- All examples use supplied Cayman files and can be executed immediately.
- Print this document on A4 paper so that you can follow the examples with a barcode scanner. Alternatively, it is also possible to enter them using the keyboard.
- The barcodes printed here use the Code128 B format, but in principle the programs can also be used with other barcodes.

1.2 Overview

Symbol	Name	Brief description	Page
	CWL-ArticleScan	Allows quick loading of articles / items using a barcode scanner or keyboard.	3
	CWL-Harness	Enables article selection by article name and raw material and compilation to new lists. At the same time, a new production quantity can be specified.	4
	CWL-MarkingEditor	Graphical editing of multi-line, multi-column marking texts for thermal transfer and laser printers. Texts, logos, barcodes and variable elements like time, date, counter etc. are supported. The editor can be started directly from Cayman. All text areas of a selected cable are taken over into the editor and returned to Cayman after editing.	5
	CWL-MaterialScan	A utility to validate the raw material: prepared (scanned) and required raw material are compared, in case of mismatch a warning is displayed and production is stopped.	6
	CWL-Tools	Allow extensive editing of items in Cayman item lists: <ul style="list-style-type: none"> • Rename raw material or production process. • Text changes / replacements in text areas • Exact text positioning relative to the end of the cable • Splitting of article lists into single articles • Export of article lists in tabular form 	7
	CWL-MarkingCounter	Enables automatic setting of counter start values in selected Cayman text zones (areas)	10

2 CWL-ArticleScan



2.1 How the examples work

- Click with the mouse in the scan field of CWL-ArticleScan and scan one of the following barcodes or enter the file name below it using the keyboard.
- Now press the <Enter> key (if the barcode scanner does not do this automatically).
- Cayman will now start automatically with the given article list.

2.2 Examples

2.2.1 Example 1



WIRELIST-001

2.2.2 Example 2



WIRELIST-002

2.3 Further information

- CWL-ArticleScan is not case sensitive.
- The sample files can be found in the installation directory in the folder "\data\importCWL\".
- If necessary, the program can be adapted to the scanner so that the <Enter> key does not have to be pressed after each scan. Details about this can be found in the user manual.

3 CWL-Harness



3.1 How the examples work

- Click with the mouse into the scan field of CWL-Harness and scan the following barcode or enter the file name below it with the keyboard.
- Now press the <Enter> key (if the barcode scanner does not do this automatically).
- The Schleuniger Cayman software will start automatically and load the selected list.
- Use the "Name" and "Raw material" selection fields below to select a part (a subset) of the loaded list, e.g.
 - Name „article_a“
 - Raw material „zzz_PowerCord“
- Finally, enter the quantity to be produced and press "Select".
- A new article list will now be created from your entries and loaded into Cayman.

3.2 Example



LIST-TOTAL

3.3 Further information

- The sample files can be found in the installation directory in the folder "\\data\\importCWL\\".

4 CWL-MarkinEditor



4.1 How the examples work

- Load the file "markingtexts.cwl" into Cayman from the installation directory of the toolbox (e.g. "c:\caymantoolbox") and the subfolder "\data\importcwl\" created in it. It contains one cable "article_a".
- Press the "Edit" button in Cayman to load all **text areas** (here only 1 area) of "article_a" into the CWL-MarkinEditor.

No.	Name	Workpiece length	Running cycle	Quantity	Produced	Batch
1	article_a	500.0	0 \ 1	1	0	-

Device type: Inkjet / Laser 1
Entry method: Distance, quantity
1st position: 200.0
Distance: 10.0
Last position: 200.0
Quantity: 1

Counter start value: 1
Font size: 15
Font color: [Black]
Font format: ☐ Bold, ☐ Lower font, ☐ Horizontal mirrored, ☐ Vertical mirrored

Text: \\#C\\n65\\&L60;40\\MarkingText\\S100;100\\@5\\n35\\&41z

Single article: 1: Area

Edit

CWL Marking-Editor - [Article no.: 1 Article name: article_a]
System Help

Write back CAYMAN zone contents

MarkingText
0000

FontSize: 15 Align: center Counter: 1

Column type: text
X-Scale: 100 Y-Scale: 100
Text attribute: normal Rotate Text 180°

Information: Zone Device Type: Thermotransfer/Laser
Column width (% of label width): 60
Line height (% of label height): 65
Font size/Barcode height: 15

Content: MarkingText
Element type: Text
Variable type: Total produced
Element content: MarkingText

1: Area

Apply Cancel

- In the CWL-Markin Editor, select the **text area** you want to edit.
- When editing is complete, press the "Save" icon (**floppy disk icon**) in the toolbar to write all area contents back to Cayman. The CWL-MarkinEditor will now be closed.

4.2 Examples

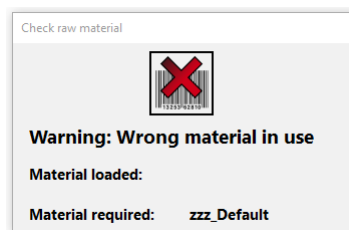
- File \data\importcwl\markingtexts.cwl

5 CWL-MaterialScan



5.1 How the examples work

- Load from the installation directory (e.g. "c:\caymantoolbox") from the subfolder " \data\importCWL\" the file "LIST-TOTAL.CWL" into Cayman.
- Start the CWL-MaterialScan
- A warning message appears because no material has been scanned until now

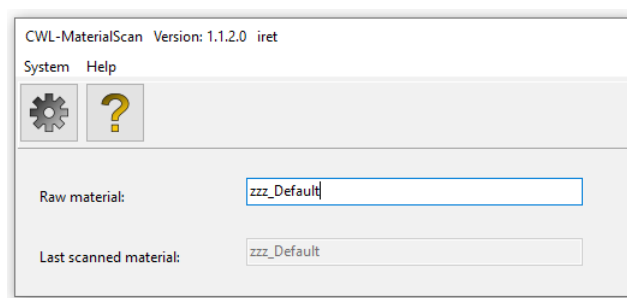


- Scan the material now or enter the material name to make the message disappear
- The message will appear again as soon as you select a wire with a different material

5.2 Examples



zzz_Default



If the first position in the Cayman list is now **unchecked**, the warning message appears again because the raw material "zzz_PowerCord" is now required for the next position 2 to be produced.

5.3 Further information

- Raw material names are not case sensitive.

6 CWL-Tools

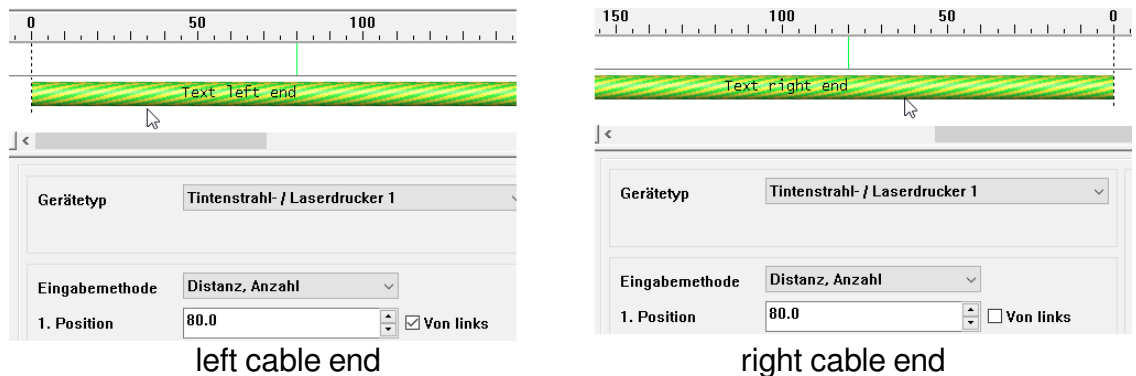


6.1 How the examples work

6.1.1 Text positioning at the left cable end

The positioning of a print text at the 'right' end of the cable usually does not pose any problems for Cayman, whereas the text positioning at the 'left' end of the cable often means "trial and error".

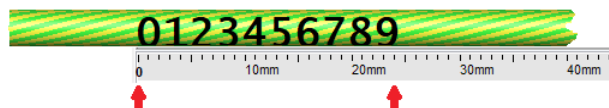
Example: Two texts are to be printed 80 mm each from the right and left cable end:



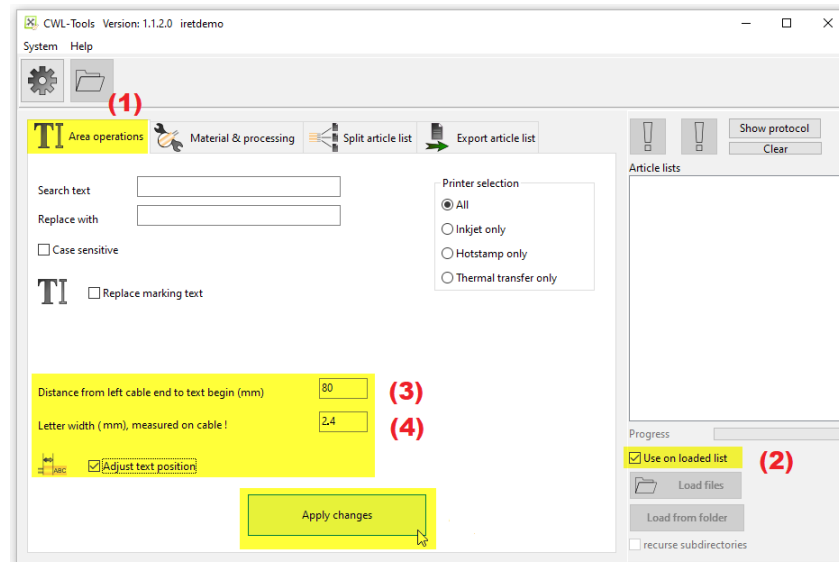
The text "Text right end" starts correctly 80 mm from the right end of the cable, the text "Text left end" on the other hand is too close to the left end of the cable and has to be shifted by its own width.

The calculation of the new 'text position(s) left' of all articles of all loaded cable lists is done by CWL-Tools, for this the actual print width of a character / letter has to be determined once.

- Load from the installation directory (e.g. "c:\caymatoolbox") from the subfolder "\data\importCWL\" the file "Tools_Markingpositions.CWL" into Cayman.
- Produce one piece of the article "article_a" with marking text "0123456789".
- Measure on the produced cable (!) the width of the text "0123456789" in millimeters.
- In the following example, the marking text is 24 mm wide, so a single character is 2.4 mm wide:



- (1) Start CWL Tools and select the "Area operations" tab.
- (2) Check the file selection "Use on loaded list".
- (3) Enter the desired distance from the left end of the cable in mm, in this example 80 mm.
- (3) Enter the measured width of a letter in millimeter, in this example 2,4.
- (4) Check "Adjust text position" and press "Apply changes".



Using the two numerical inputs (80 mm, 2.4 mm) CWL-Tools recalculates the positions of the leftmost marking texts on the cables.

Now switch to "article_b" in Cayman and check the text positions. While the right text was not moved, the left text was moved away from the left end of the cable by its width (13 characters x 2.4 mm = 31 mm).

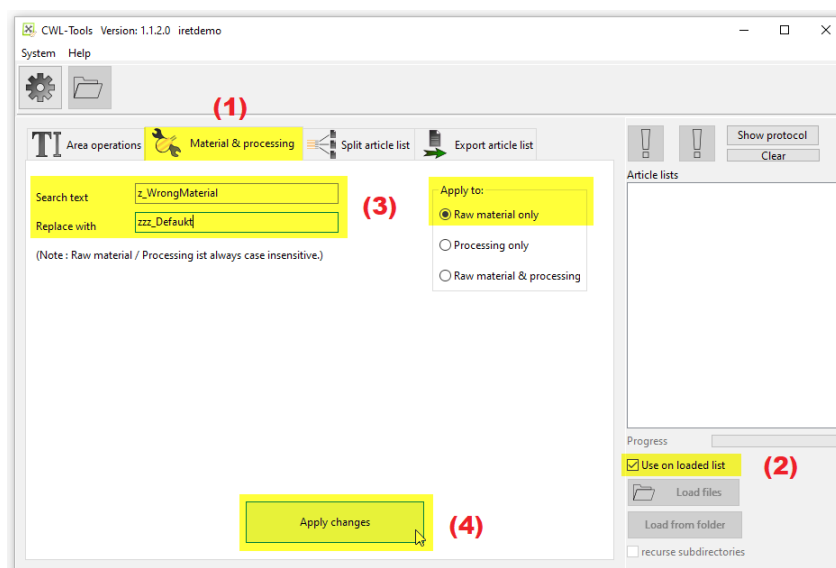


Note:

The position information 'left end of cable' in Cayman may differ from the actual text positions on the cables, because Cayman does not know the actual width of the marking texts.

6.2 Replacing raw material or processing

- Load from the installation directory (e.g. "c:\caymatoolbox") from the subfolder "\data\importCWL\" the file "Tools_WrongMaterial.CWL" into Cayman:
- Cayman shows a warning message and marks the missing raw material "z_WrongMaterial" in red in the item list.
- (1) Start CWL-Tools and switch to the tab "Material & processing".
- (2) Check the file selection "Use on to loaded list".
- (3) In the "Search text" field, enter "z_WrongMaterial" and in the "Replace with" field, enter "zzz_Default". In the selection box "Apply to:" please select "Raw material only".
- (4) Finally press "Apply changes".



Only in the articles with raw material "z_WrongMaterial" the material is replaced by "zzz_Default". The Cayman warnings disappear because the material "zzz_Default" is created in Cayman by default.

Note: The inputs of "Search text" and "Replace with" are *not* case sensitive.

7 CWL-MarkingCounter



7.1 How the examples work

- Start Cayman and the 'CWL-MarkingCounter'
- Load the file 'cwl-markingcounter.cwl' from directory '\data\markingcounter\'.
The list contains 2 articles: 'article_1' has 3 Inkjet text zones with the counter start values '1', '6', '12'. 'article_2' also contains 3 ThermoTransfer text zones on different marking positions with the counter start values '200', '400', '600'.

7.1.1 Example 1: Set counter start values (only on) Inkjet zones, mode 'Highest value'

- In Cayman, click on 'article_1' with the mouse
- In the CWL MarkingCounter, select the options (only) 'Inkjet' and 'Highest value'
- Click on 'Process article'

The counter start values of all (inkjet) zones are set to the highest value found, '12'.

Note: If only TT zones were selected, an error message appears stating that no matching text zones were found on the article.

7.1.2 Example 2: Set counter start values: Only TT zones, mode 'Enter value'

- Load the sample file 'cwl-markingcounter.cwl' again
- Click on 'article_2' in Cayman with the mouse
- In CWL-MarkingCounter, select the options 'Thermal transfer' (only) and 'Enter value' and enter '1001' as the start value
- Click on 'Process article'

The counter start values of the three TT zones are set to '1001', the start values of the inkjet zones are not changed.

Note: If TT zones *and* inkjet zones have been selected, all counter start values are set to '1001'.

Note: If the input fields in the CWL MarkingCounter are greyed out (no input possible), you must grant the corresponding authorization in the program settings. For details, please refer to the manual in the 'CWL-MarkingCounter' chapter.