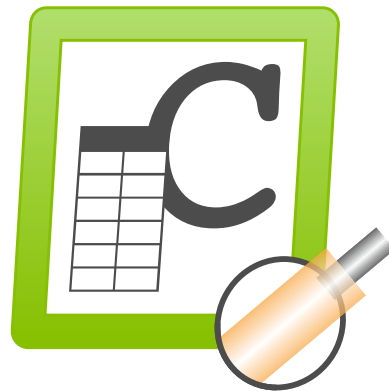


Manual



Software CWL-JobTool

Version 1.3.1

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iret

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1 Overview

1.1 Program Description

The CWL-JobTool software connects a Schleuniger cable processing machine to an ERP system. For the operation of CWL-JobTool, the cable processing software "Cayman" from Schleuniger must be installed on the same PC.

CWL-JobTool converts the incoming orders from WPCS to Cayman format and also manages the orders, as the Cayman software does not have its own order management.

1.2 Data transfer

The ERP system creates 2 files per order:

- An order file "<order> job.dds"
- A cable file "<order> article.dds",

where the character string <order> is largely freely selectable.

Restrictions are:

- Only characters allowed by the Windows file system (e.g. no ? question mark).
- The character string <order> must end with a space.

Valid file names are e.g:

"2019-06-15 order 001 job.dds and 2019-06-15 order 001 article.dds" or

"machine27_itemABC job.dds" and "machine27_itemABC article.dds".

These files automatically generated by the ERP system are stored in a job directory (transfer directory) provided for the Schleuniger machine.

CWL-JobTool checks this directory at short intervals (approx. 5 seconds) and updates its order list.

2 Installation and commissioning

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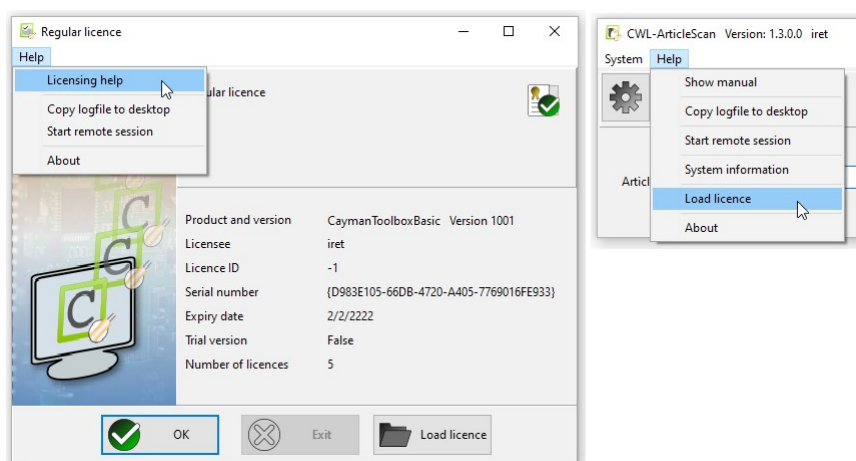
2.1 Installation

The setup installs all components of the software collection. The recommended installation location is a directory in the root directory of c:, e.g. c:\CaymanToolbox\. The installation directory can be created during the installation.

2.2 Licensing

The licensing of the CaymanToolbox software is described in a separate document. You can display this document in the license dialog (menu 'Help', menu item 'Licensing help').

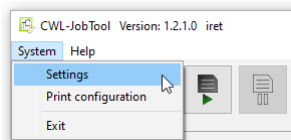
The license dialog is displayed in the demo version of the Toolbox at program start. You can also reach it via the program main menu 'Help', menu item 'Load licence'.



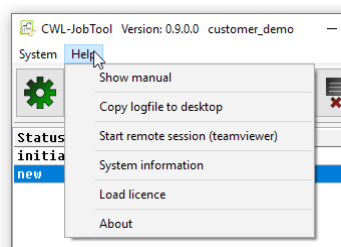
3 Main menu

3.1 Main menu

The main menu contains the items "System" and "Help":



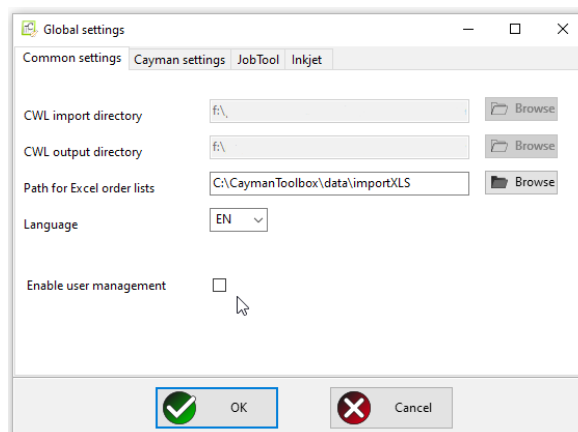
Function	Description
System: Settings	Opens the settings menu. See chapter 3.2
System : Prit configuration	Opens the 'Print configuraion' dialog., see chapter 3.4.
System: Exit	Exits the program.



Function	Description
Help: Show manual	Shows this document. A PDF viewer must be installed.
Help: Copy logfile to desktop	Copies a logfile of the previous program run to the computer desktop..
Help: Start remote session	Starts remote maintenance (teamviewer).
Help: System information	Shows information (e.g. paths) to required system files.
Help: Load licence	Opens the dialog window for loading a license.
Help: About	Shows program and licensing information.

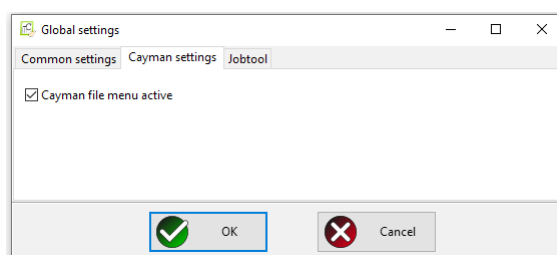
3.2 Menu „Global settings“

3.2.1 Common settings



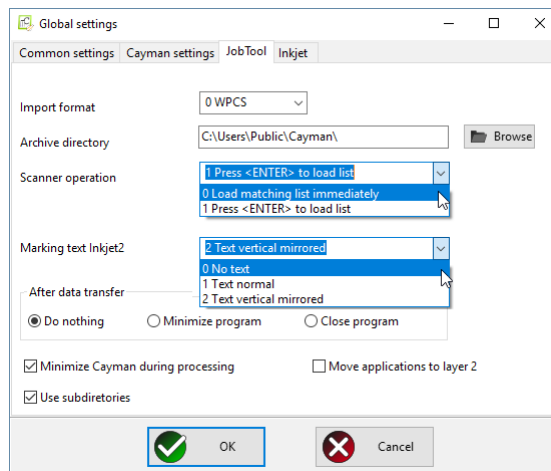
Function	Description
Path for Excel order lists	In this directory CWL-JobTool expects the incoming jobs and WPCS article files.
Language	The selection of the user language can be found here. So far English (EN) and German (DE) are supported. After changing the language, the program must be restarted.
Enable user management	<p>Disabled (unchecked): The user management is disabled. Each user has access to all program settings (this window). → This is the setting after program installation!</p> <p>Enabled (checked): The next time the "Global settings" menu is called up, a user name and password will be requested. If they are entered correctly, all settings can be edited, otherwise they can only be read (read only).</p>
(Further directories)	The settings for further directories are without function in the CWL-JobTool and therefore grayed out.

3.2.2 Cayman settings



Function	Description
Cayman-file menu active	This option activates / deactivates the Cayman file menu. It must be activated (checked) if you want to save (modified) article lists from within Cayman.

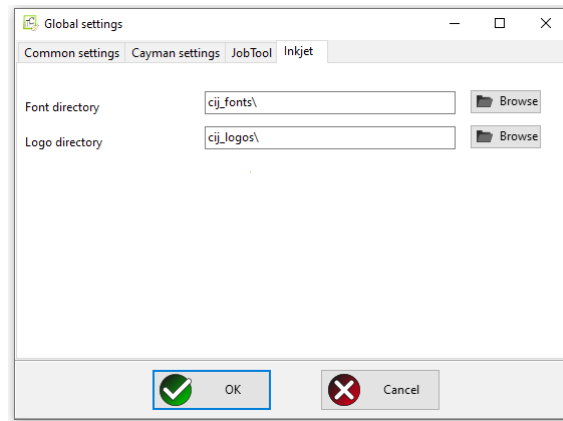
3.2.3 JobTool settings



Function	Description
Import format	As for now only WPCS format is supported
Archive directory	Article (WPCS) files are moved here after conversion, deleted job files are moved here..
Scanner operation	Defines the action after scanning a job name (e.g. via barcode scanner): <ul style="list-style-type: none"> 0 Load existing job list immediately or 1 Wait for <ENTER> - key press
Marking text Inkjet2	Defines the action for the marking texts of Inkjet2: <ul style="list-style-type: none"> 0 No text: No text is copied. 1 Text normal: All Inkjet1 marking texts are copied to Inkjet2 including all text attributes. 2 Text vertical mirrored: In addition to (1) the attribute "mirror vertically" is set for all injket2 texts.
After data transfer	Action after data transfer to Cayman:
<ul style="list-style-type: none"> Do nothing Minimize program Close program 	
Minimize Cayman during processing	The conversion of large job lists can be accelerated by minimizing the Cayman window during processing. After processing is complete, the original size of the Cayman window is restored.
Use subdirectories	Allows handling jobs in import directory and subdirectories. Subdirectories can be chosen on the left. As for now searching the subdirectories only works on expanded elements.
Move applications to layer 2	If this option is selected, the applications ('slit', 'strip') will be moved from a layer further outside to the innermost layer (2). Prerequisites are: <ul style="list-style-type: none"> there is a maximum of one application per cable end the applications are on the same layer

3.2.4 Inkjet-settings

The font and logo directories are defined here.

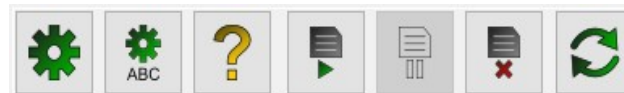







Function	Description
Font directory	Directory for inkjet fonts.
Logo directory	Directory for logos.



3.3

Toolbar

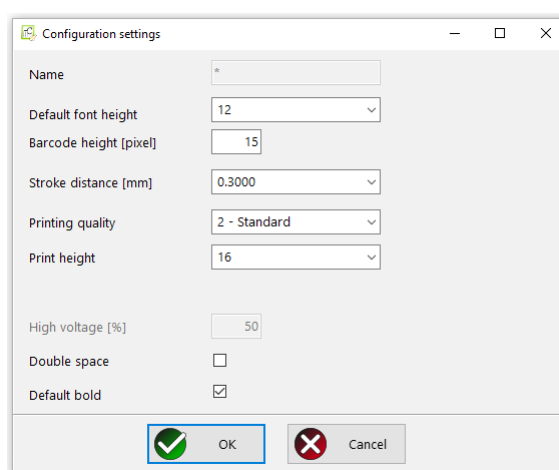
The program functions are controlled via the buttons of a toolbar:



Symbol	Description	
	Open the 'Settings' menu.	Same as 'Settings' in the 'System' menu.
	Opens the 'Print configuration' menu.	Same as 'Print configuraion' in the 'System' menu
	Show manual.	Same as 'Show manual' in 'Help' menu.
	Start job.	Starts the selected job: The job is loaded in Cayman. If the job is in WPCS format, the job will be converted first and stored in Cayman format.
	Pause job.	Pauses the running Cayman-job: Saves the Cayman wirelist (including production state) and unloads Cayman. The job can be continued later.

Symbol	Description	
	Delete job.	Moves the selected job to the archive directory and refreshes the joblist. If the archive directory already contains a job with the same name, the job is <i>not</i> deleted from the cwl output directory and an error is logged. In this case, first delete the job from the archive directory (e.g. using Windows Explorer) and repeat the process.
	Update the joblist.	Updating the order list from the CWL output directory (see Settings / Common Settings) is done automatically at short intervals (approx. 5 seconds). In addition, the update can be triggered by pressing this button.

3.4 Print configuration



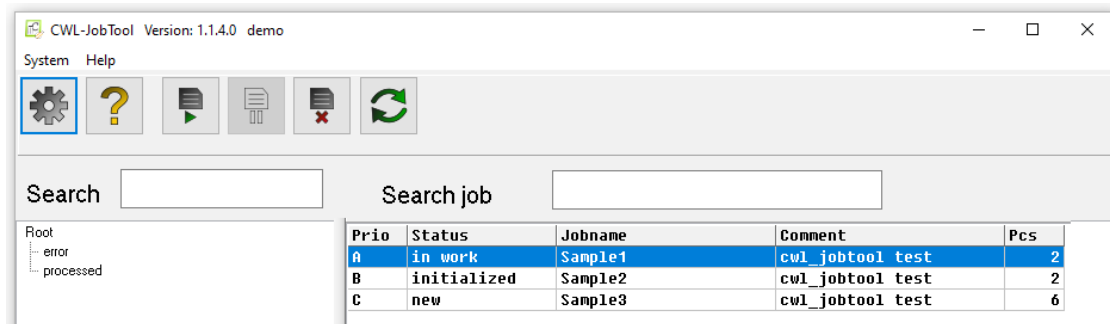
Function	Description
Name	("*", cannot be changed at present)
Default font height	Internal value for calculating actual marking text widths. If a font of a <i>different</i> size is used, this value must be adjusted accordingly in order to print marking texts with the correct distance to the left end of the cable.
Barcode height [pixel]	Here the height of the barcode can be set independently of the height of the character set. <ul style="list-style-type: none"> Large height ==> lower speed
Stroke distance [mm]	This value determines the horizontal distance between the ink drops: <ul style="list-style-type: none"> Larger values mean wider font
Printing quality	Used to set the print mode: <ul style="list-style-type: none"> High quality ==> lower speed
Print height	Also used to determine the print mode: <ul style="list-style-type: none"> Large height ==> lower speed Note: The height must be at least as high as the barcode and font height of the character set.
High voltage [%]	("50", cannot be changed at present)
Double space	If this option is selected, spaces in the text are doubled for better readability.
Default bold	If this option is selected, the text will be printed in bold, i.e. in double width.

3.5

Joblist

The current jobs are listed in the job list below the toolbar. Priority, Status, Jobname, Comment and quantity (Pcs) are specified.

The tree structure of the import directory subfolders (to the left of the job list) is only visible if this option has been selected in the settings (see Chapter 3.2.3).



The "Status" indication informs about the current state of each job:

Status	Description
in work	The job currently loaded in Cayman.
initialized	A job that has already been converted from WPCS to Cayman format.
new	A new job that is (still) in WPCS format.

A mouse click in the job list marks a job (the line is highlighted in blue). This job can now be loaded or deleted via the toolbar in Cayman. A double click on a job loads it immediately in Cayman.

A job can also be loaded by entering the job name in the search field "Search job" above the job list. The input can be done via keyboard or e.g. a barcode scanner. The input is **not** case sensitive.

The entry of the job name is highlighted:

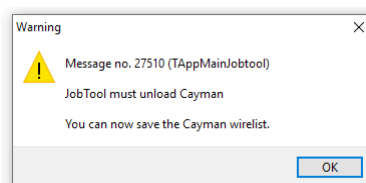
- Red: There is no job that matches the input.
- Yellow: The input can be added to an existing job.
- Green: There is a job with exactly this name.

If "Jobtool / Scanner operation / 0 Load matching list immediately" is selected in the setup, this job is loaded immediately into Cayman.

As soon as a job has been loaded, the button "Start job", the job list and the search field are locked. The job must first be paused or deleted before another job can be sent to Cayman.

Note:

When JobTool is started, it checks whether Cayman is already running and whether articles (cables) are loaded into Cayman. In this case jobTool now enables saving. Afterwards all articles loaded in Cayman will be deleted.



3.6 Event log

Below the job list, program logs (errors, notes) are displayed in a table

No.	Kind	Message	Details	Time
25512	II	Loaded in Cayman	Sample1	11:56:38
27507	WW	The production is not finished yet.	Sample1	11:56:32
27504	EE	Could not move WPCS file to archive:	C:\test\cwl_jobtool_doku\jobtc	11:52:17

Column	Description
No.	Internal error number, used for error diagnosis.
Kind	Type of message: <ul style="list-style-type: none"> II: Information (green background) WW: Warning (yellow background) EE: Error (red background)
Message	The message text.
Details	Further explanations, e.g. job or file where the error occurred.
Time	Time of message event.

When jobTool is closed, the error log of the current program run is saved in the archive directory (see JobTool Settings). The file name is generated from date/time in the format "log_yyyymmdd_HHMMSS.txt".

Example: "log_20190614_124322.txt": Log file created when leaving jobTool on June 14, 2019 at 12.43 (and 22 seconds). The entries are saved in CSV (CommaSeparatedValue) format and could look like this:

```
2019/06/14 12:42:45,II,Loaded in Cayman: ,NAV10311
2019/06/14 12:42:46,WW,The production is not finished yet.,NAV10311
2019/06/14 12:42:47,II,In Cayman geladen: ,NAV10310
2019/06/14 12:42:47,II,Converting WPCS-Job: ,C:\temp\190306\100130 190306 084705 loko2 article.dds
2019/06/14 12:42:52,WW,The production is not finished yet.,NAV10310
2019/06/14 12:42:53,II,The job was deleted,NAV10311
```