PLATEPATCHER 23.11

MOUNT & CUT

USER MANUAL

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ESKO

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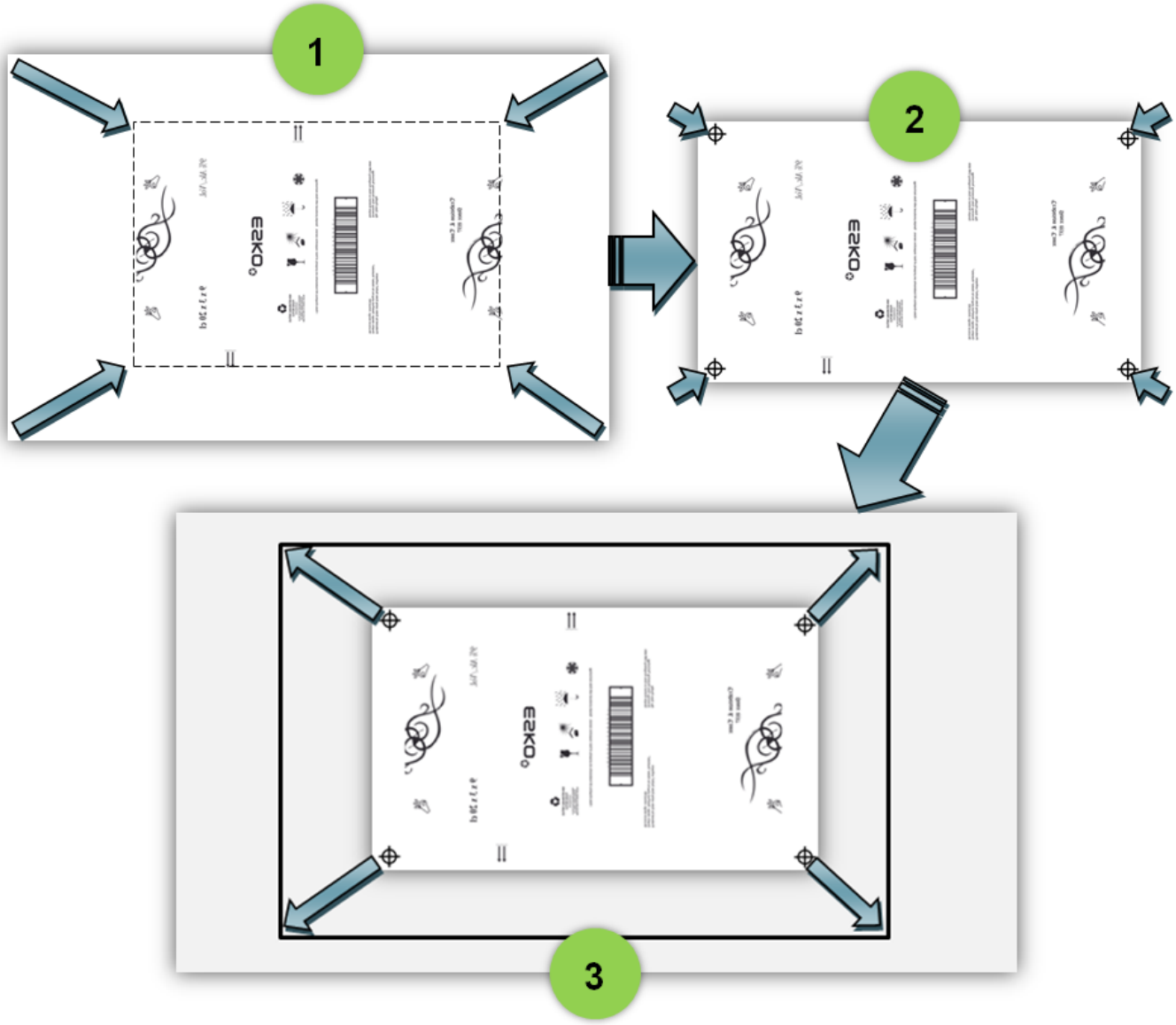
Mount&Cut PlatePatcher Output

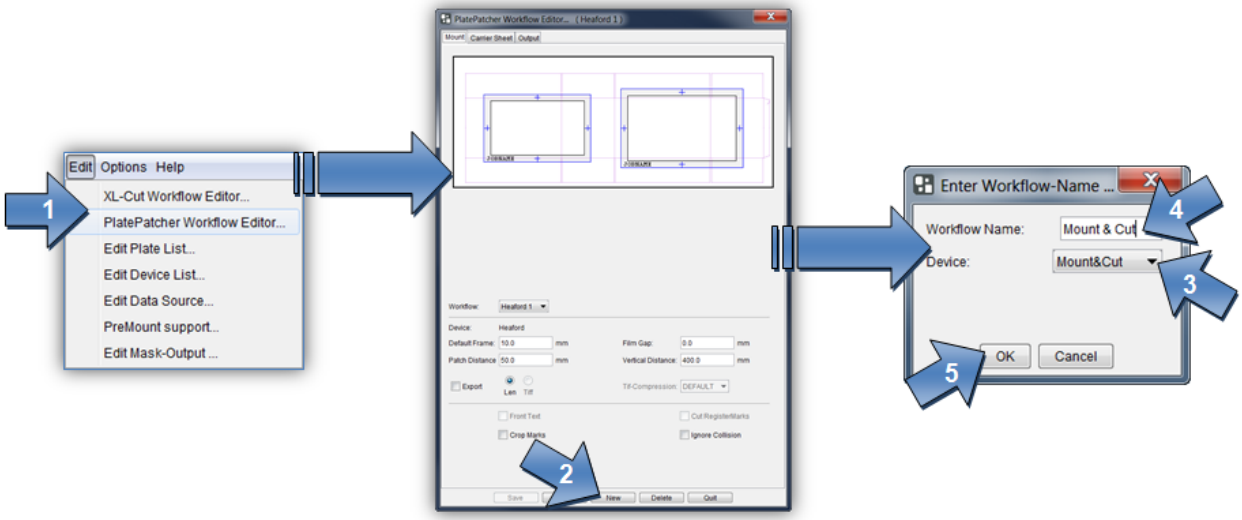
With Mount&Cut output, the PlatePatcher removes the unused borders around the image content (1) and exports a smaller image file which now contains four additional register marks (2). In addition, 2 Kongsberg files are generated for later mounting. After washing, the respective plate piece is positioned on the mounting film (3). The Kongsberg file is loaded and the plate piece is registered by the camera (3). The mounting film is then cut (3):



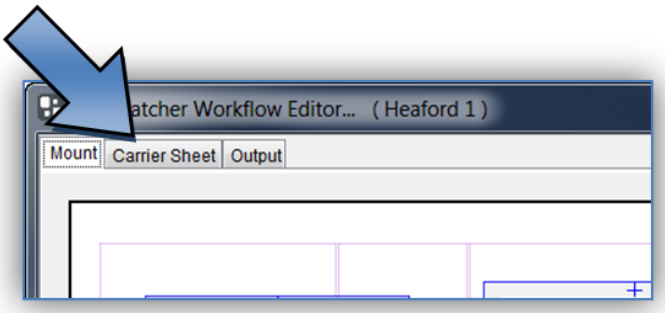
The centerline is indicated on the mounting film at the top and bottom. In addition, the technical ink can also be output.

Setting Up Mount&Cut Output

The Mount&Cut output is configured in the *"Edit" / "PlatePatcher Workflow Editor…"* menu item. A new output must first be created:



You can switch to a different page in the upper area:

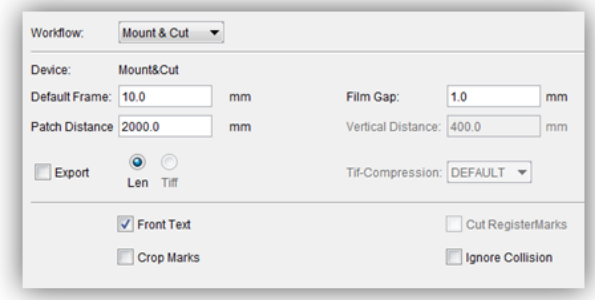


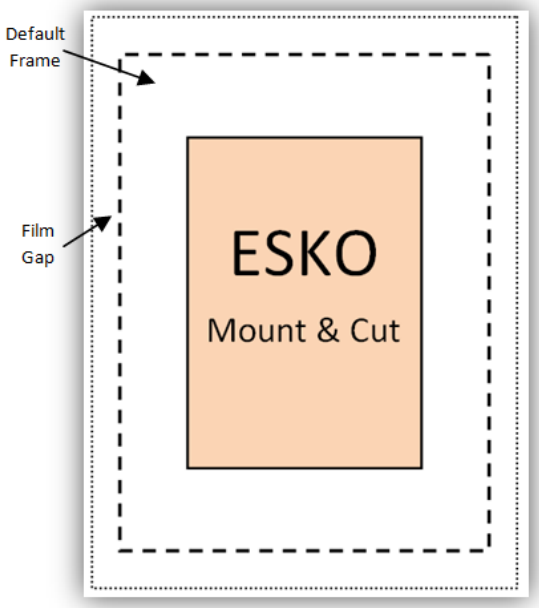
The output settings can now be individually adapted.

Mount:

"Default Frame": Frame around the newly created image.

"Film Gap": Extra frame for the 45° knife. With 45° output, this must correspond to the plate thickness as a minimum.





"Export - LEN / TIF": The resulting images are exported directly into directories instead of transmitting them to the Merger. An extra licence is required to output TIFs.

Carrier Sheet:

"Font Size": Size of the texts on the mounting film.

"2nd Font Size": Size of the job name. With the setting "0", *"Font Size"* is used.

"Add Job Name": Automatically inserts the file name under each output file.

"Landscape": The cutting file for the Kongsberg table is 90° rotated. This is necessary to, for example, cut a 4260 plate on an XL 20 table.

Output:

"Mount Target Folder": Is the folder where the mounting file is stored.

"Patch Target Folder": Is the folder where the plate pieces are stored when *"Export"* is selected.

"Plot Device": Sets the output format for the plotter. X-Guide and IPC are always possible for Kongsberg output. EPS output requires an extra license.

"Technical Ink": In order to be able to identify the technical ink (carton cut) at a later stage, the designation must be determined according to the file name (for example, filename_PLOT).

"Mat Info": As an option, the name of the XL-Guide "Job Setups" which will be automatically loaded on the Kongsberg table can be entered in this field. This option is only available with "X-Guide" output.

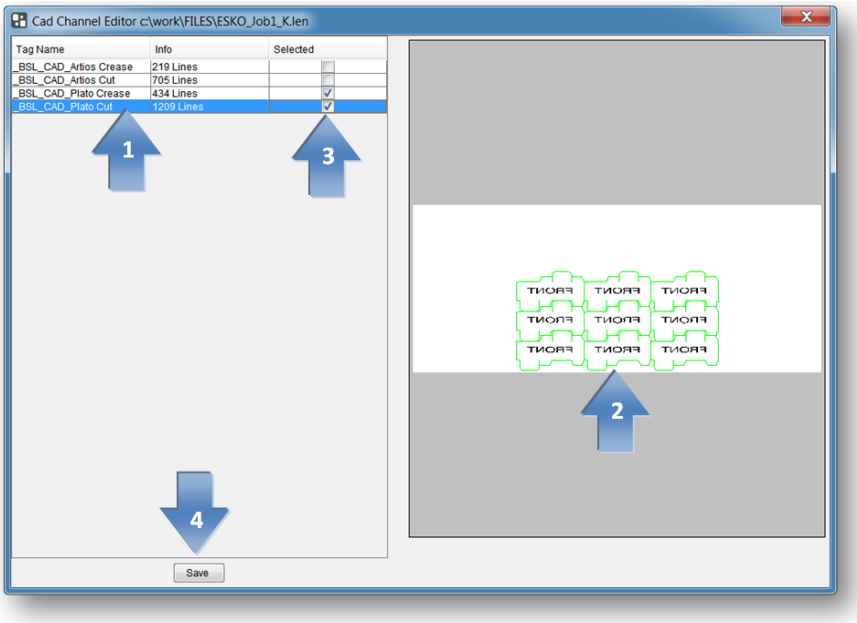
Selecting Technical Inks

Since the Esko Automaton Engine 12, LEN files can be provided with the technical ink. The CF2 file is no longer used in this case.

Depending on the application, the name of the technical ink may be different or several technical inks may exist. For this reason, one or more technical inks can be selected.

When a job is loaded in the PlatePatcher, the LEN files are searched for technical inks and a warning message appears if an unregistered ink is included.

The "Channel-Editor" displays the currently selected file with the included technical inks:



A left mouse click on the CAD channel (1) updates the display (2).

In the "Selected" (3) area, the desired CAD channels can be selected; this selection is then saved in the selected PlatePatcher setting using "Save" (4). Different technical inks can be assigned to each PlatePatcher setting.

Editing a Job

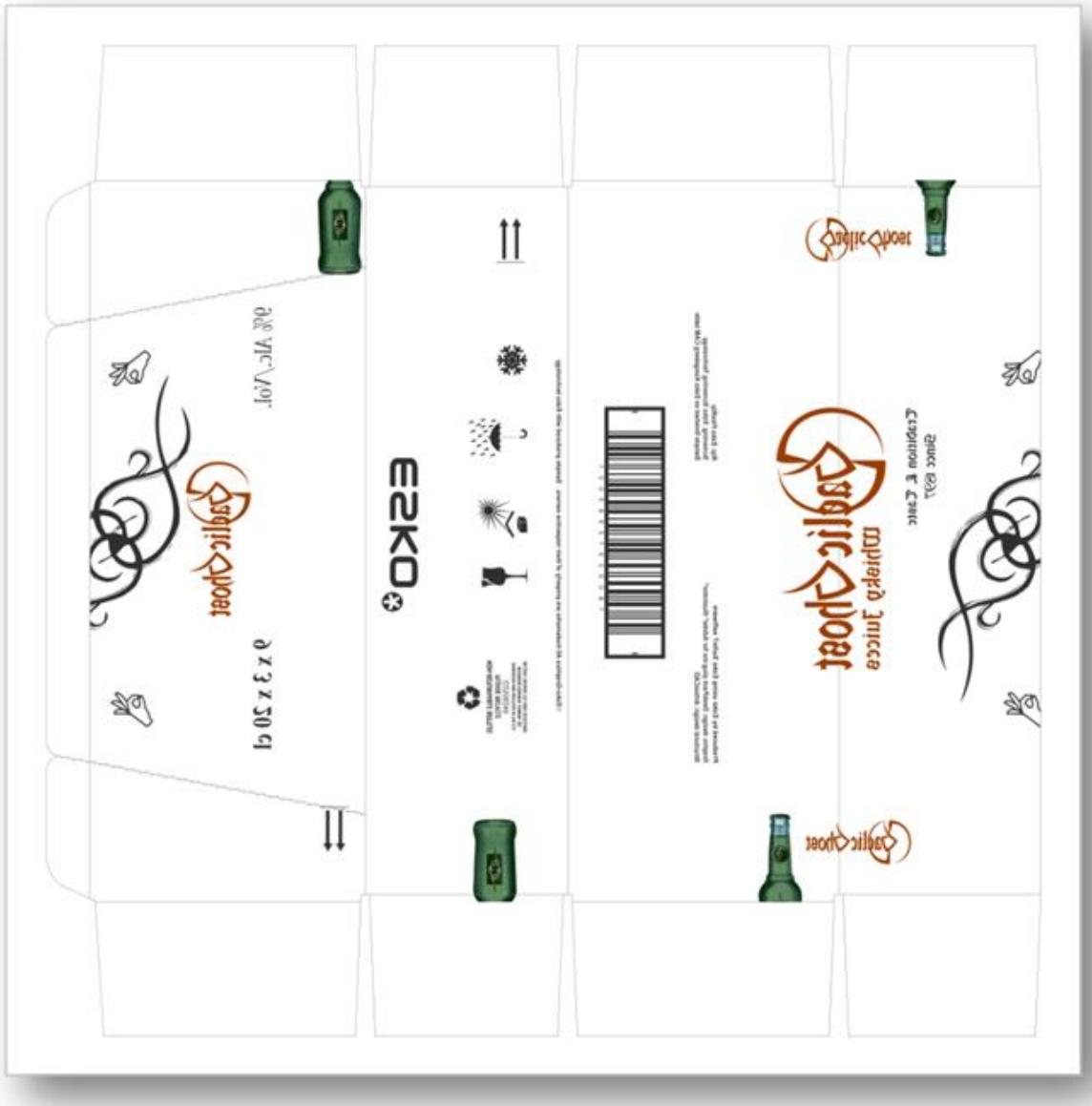
Patching of image data is explained using the following "GaelicGhost" job with 4 inks. The carton cut is already integrated into the LEN file as technical ink.

The PlatePatcher requires the job data in the mounting alignment.

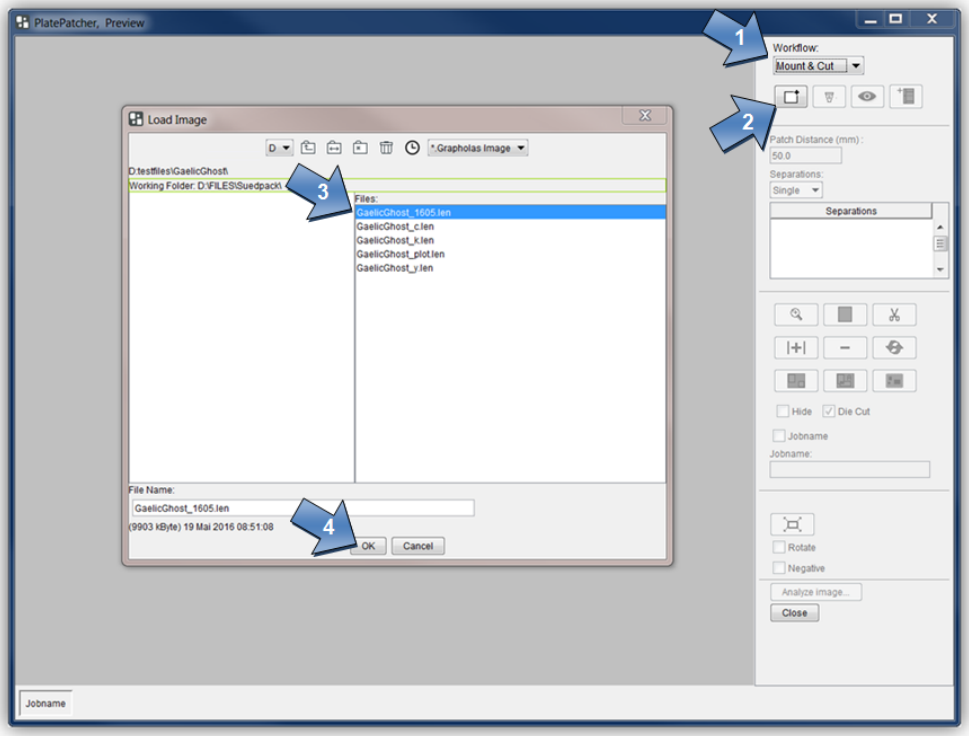
The inks of a job are assigned via the file names. The ink designation may not include spaces or underscores:

Job:

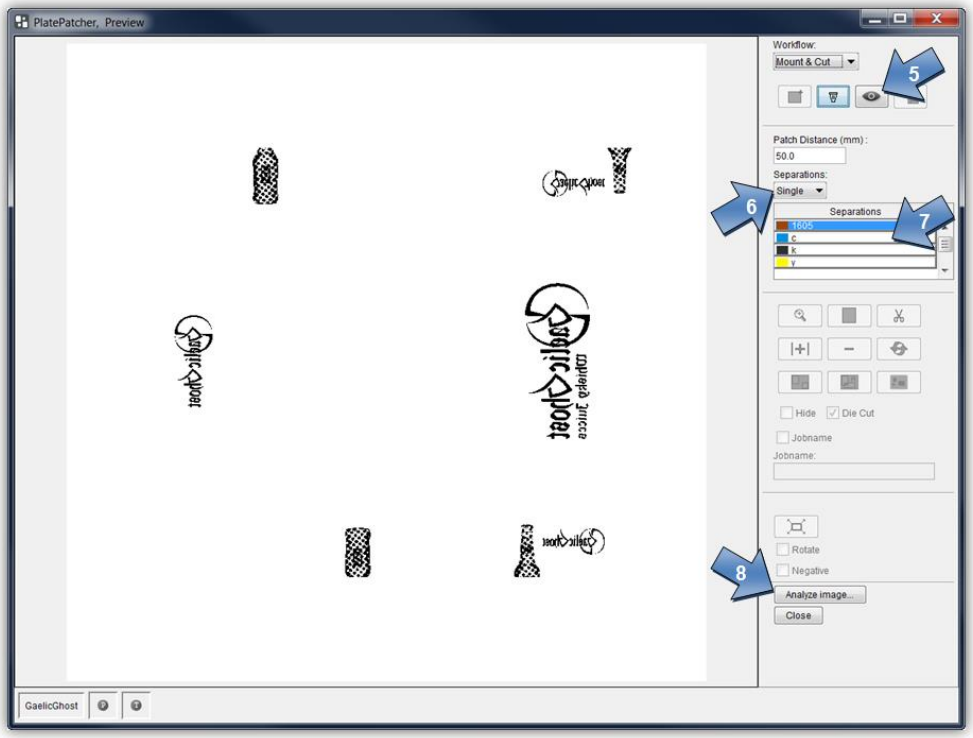
GaelicGhost_**c**.len - GaelicGhost_**k**.len - GaelicGhost_**y**.len - GaelicGhost_**1605**.len



Once the output has been selected (1), a new window is opened with the load button (2). An ink for the desired job is selected in the file structure (3) and loaded with OK (4).

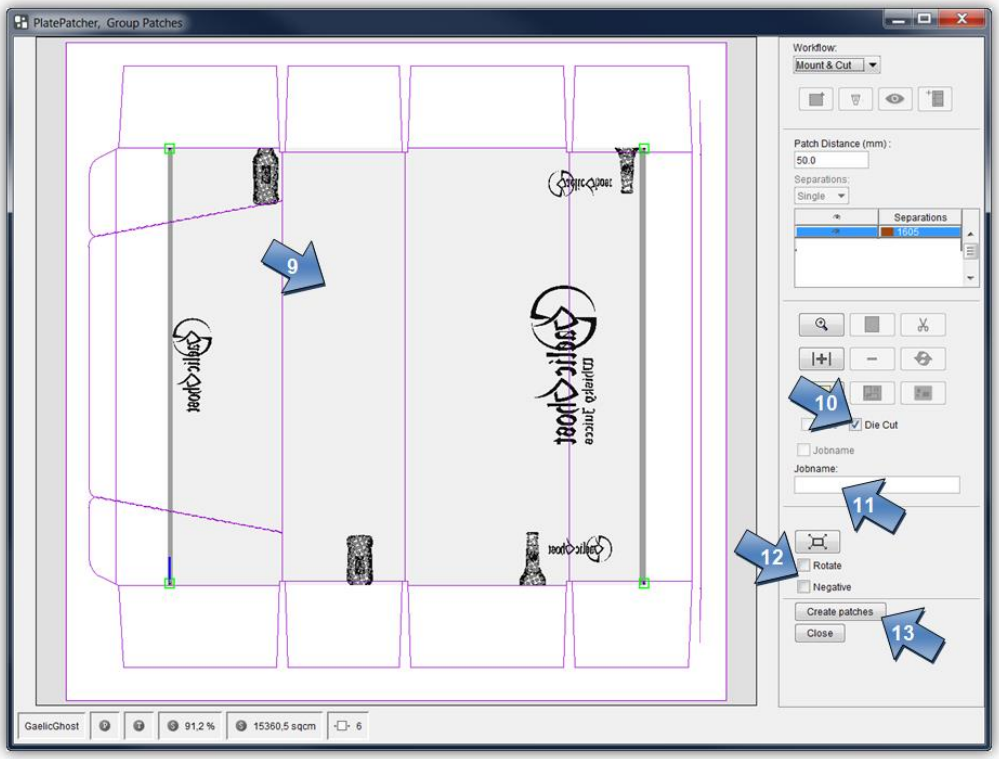


The first ink for the job is displayed. The complete job can be loaded in the Scope Viewer (5).



You can switch between "Single" and "Multi" under "Separations" (6). With the "Multi" option, all inks are displayed and edited at the same time. With "Single", each ink is edited individually.

Double clicking on the ink (7) or "Analyze image" (8) analyses the image data. Preselection by the PlatePatcher (9) can no longer be changed.



For each ink, the carton cut "Die Cut" (10) output can be deactivated. This only has an impact on the creation of the mounting film by the Kongsberg table.

An individual text can be added in the "Job name" field (11), which is drawn on the mounting film.

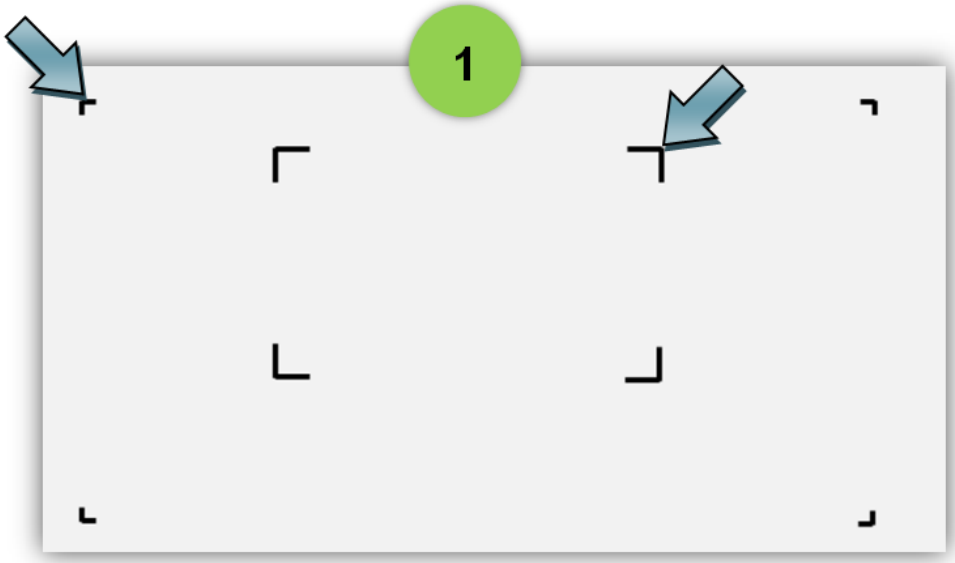
All image data in the output can be 90° rotated with the "Rotate" option (12). In addition, the output can also be inverted for film exposure units with "Negative" (12). These two functions apply for the entire job.

The image data and the corresponding mounting data for the Kongsberg table are created with "Create patches" (13). This way all inks are edited until the complete job has been processed.

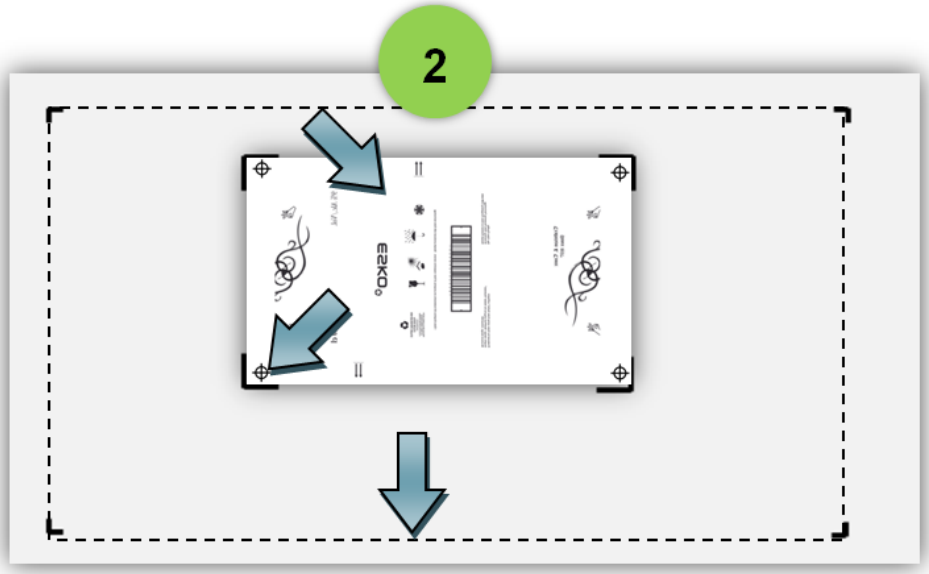
Mounting a Job

Two Kongsberg files are output for each ink.

The first file corresponds to the ink name and draws the position at which the plate piece must be positioned and the corners of the mounting film, which will then be cut. This file is merely for orientation purposes and is not absolutely necessary.



The second file contains the ink names and the addition "Sec". In this step, the four register marks of the plate piece are read by the camera and the mounting film is cut.



Zooming the View In and Out

activates the zoom function.

A square is drawn around the desired image section by pressing and holding the left-hand mouse button.

displays the entire image.

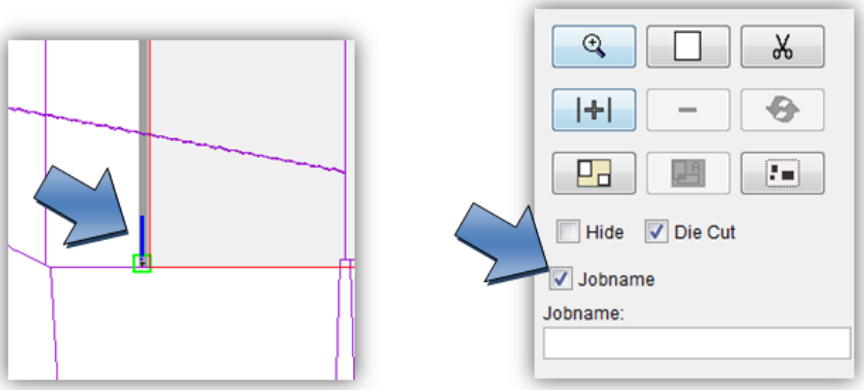
As an alternative, you can use the mouse wheel. The position of the cursor is used as the centre of the new view.

Moving the View

The view is moved by pressing and holding the right-hand mouse button.

Adding or Removing File Names

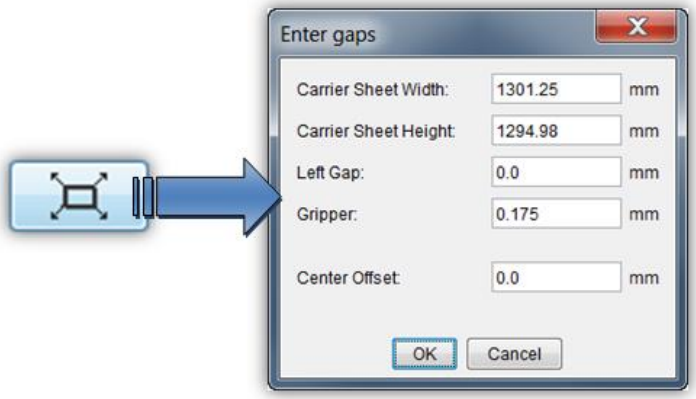
"Jobname" is used to add the file name to the lower left border of the plate piece.



If this is not desired, this addition can be deactivated for each plate piece individually.

Changing the Size of the Mounting Film

The size of the mounting film that is cut on the Kongsberg table corresponds to the dimensions of the job file. The output size can be expanded at a later stage.



The width and/or height of the mounting film can be set with "Carrier Sheet Width" and "Carrier Sheet Height".

"Left Gap" moves the mount to the left or right. An input can only be made here if the width has been changed.

The mount can be moved upwards with the "Gripper" gripper edge. The distance between the first pixel and the lower image border is used as the gripper edge. If the file contains a technical ink, the lower border of this ink is used.

"Center offset" adjusts the centerline. A negative value moves the line to the left.

Job information

For every job, an HTML file with the original file name is saved in the "*Patcher Redo*" directory. All important information concerning the job is stored in that directory. The output directory "d:\files\output\PatcherRedo" is preset.

Loading Images via "*Drag & Drop*"

Image files (LEN and TIF) can directly be dragged into the "PlatePatcher" from the Windows Explorer or from the "Len Explorer". First, the data is copied into the working directory, then it is loaded.

Support

Contact information can be found on www.esko.com.