Tutorial

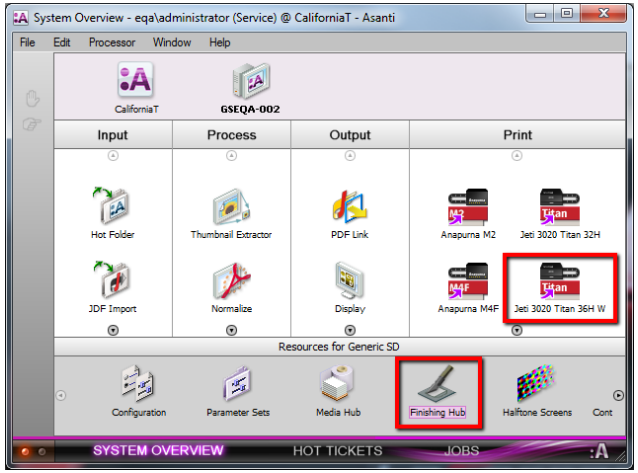
OptiScout Cutter Integration Note

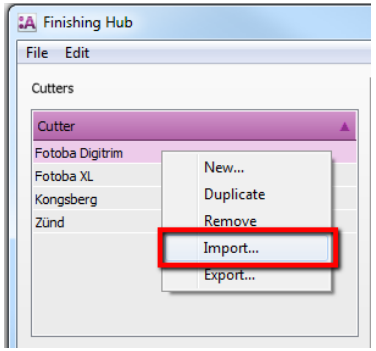
AGFA

Software version: Asanti 4.0
Document version: March 11, 2019

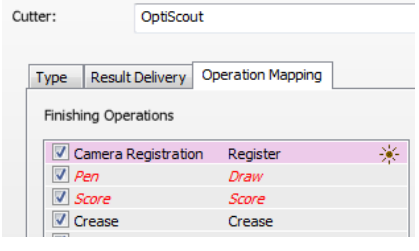
This document explains how to drive a cutter with Optiscout. You can find the supported cutters on OptiScout Development Partners (Hardware). You have to download the latest 'Optiscout' resources and sample files from 'Asanti_4.0_CutterResources' and extract the zip file.

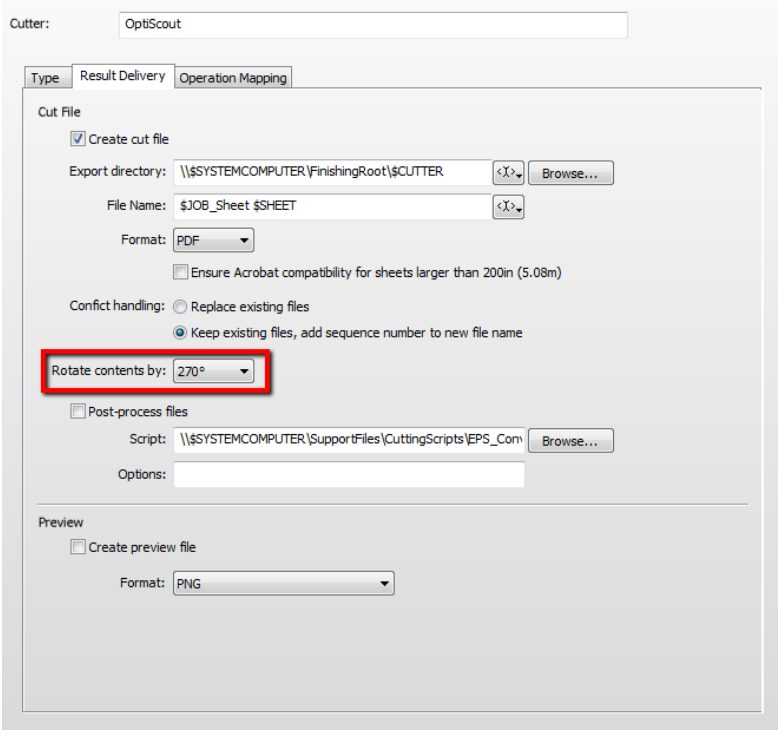
1. Import the Optiscout Cutter





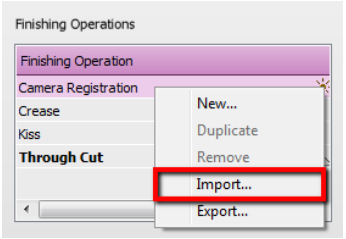
1. Open the 'System Overview', select a digital printer and double click the 'Finishing Hub' Resource.
2. Context click in the 'Cutters' and choose 'Import'
3. Locate the Optiscout cutter in '...\Asanti_4.0_CutterResources\Optiscout\Cutter' and click 'Open'.
   Choose to 'overwrite' if the cutter already exists.
4. Unlock the 'Finishing Hub' and click the "Result delivery" tab.
5. The default export directory is set to:
   \\$SYSTEMCOMPUTER\FinishingRoot\$CUTTER.
   - $SYSTEMCOMPUTER is a variable and will be replaced by the hostname of your Asanti Server.
   - $CUTTER is a variable and will be replaced by the cutter name.
6. The default file name convention for the cutting file is set to:
   $JOB_Sheet $SHEET
   - $JOB is a variable and will be replaced by the job name.
   - $SHEET is a variable and will be replaced by the number of the print layout.
7. The content must be rotated 270°
8. Click the "Operation Mapping" tab.
   When there are 'Finishing Operations' enabled and missing (red italic), go to the next step.

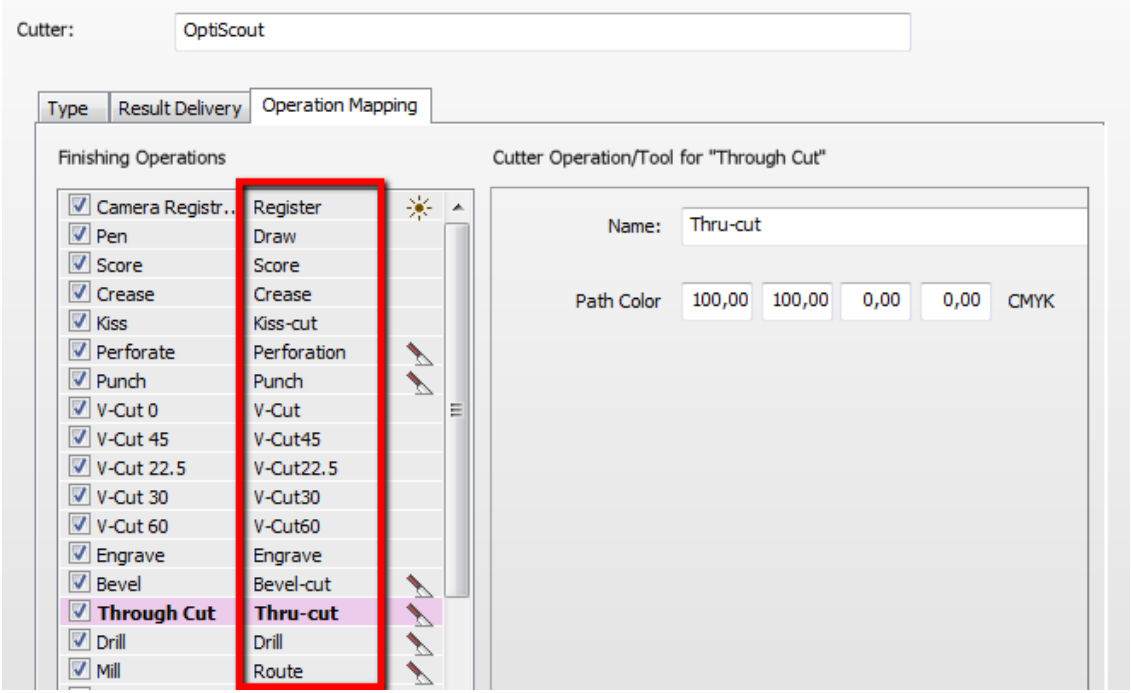


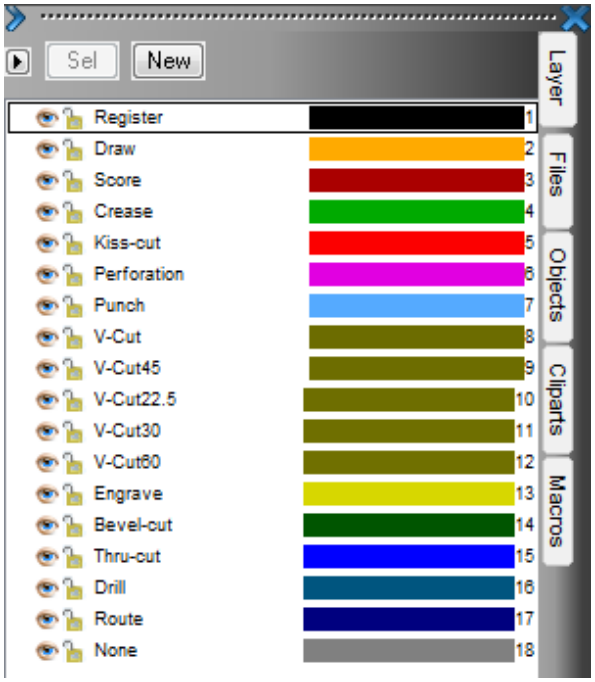


2. Import the Optiscout Finishing Operations

1. In the 'Finishing Hub', context click in the 'Finishing Operations' and choose 'Import'
2. Locate the finishing operations in '...\Asanti_4.0_CutterResources\Optiscout\Finishing Operations', select all operations and click 'Open'.
3. Choose to 'overwrite' if the finishing operation already exists.
4. Select the 'Optiscout' cutter again and click the "Operation Mapping" tab. The finishing operations in Asanti now correspond with the tool names and colors provided in Optiscout.
5. Close the 'Finishing Hub'.

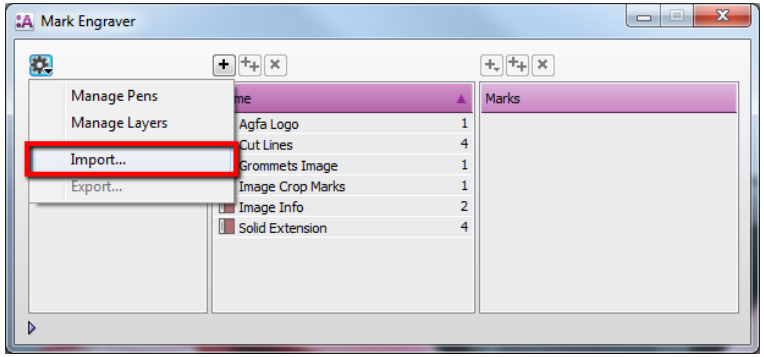




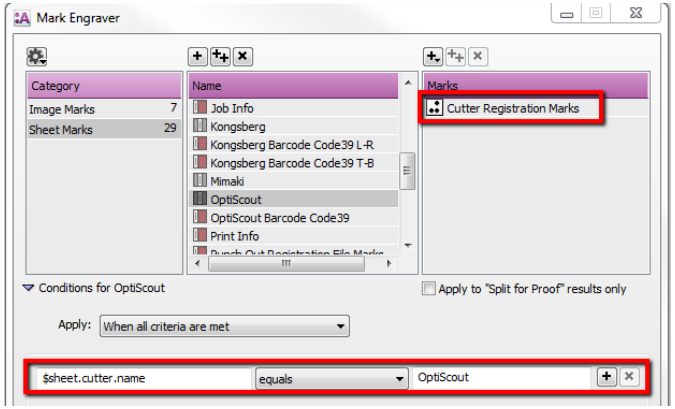


3. Import Optiscout Mark Sets

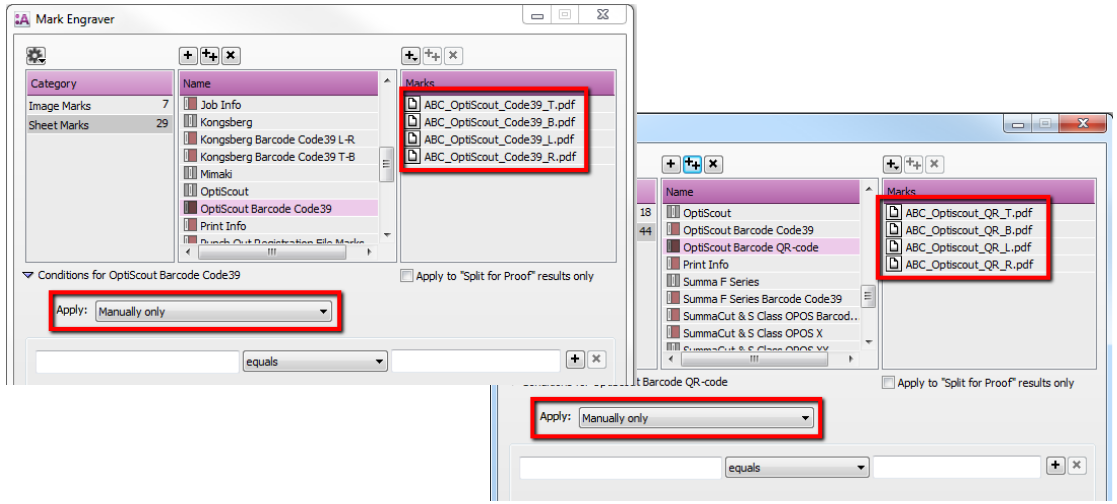
1. Open the 'System Overview, select the 'Impose' Task Processor and double click the 'Mark Engraver' Resource
2. Click the cog wheel to import the 'Mark Sets'
3. Locate the mark sets in '...\Asanti_4.0_CutterResources\Optiscout\Mark Sets' and click 'Open'.
4. Choose to 'overwrite' if the mark set already exists



5. Click the 'Sheet Marks' category
   a. The 'Optiscout' Mark Set contains the registration marks and will automatically be used when you select the Optiscout cutter in your job.
   b. The 'Optiscout Barcode Code39' mark sets contains a barcode at each edge and can be enabled manually in your job.
   c. The 'Optiscout Barcode QR-code' mark sets contains a barcode at each edge and can be enabled manually in your job.



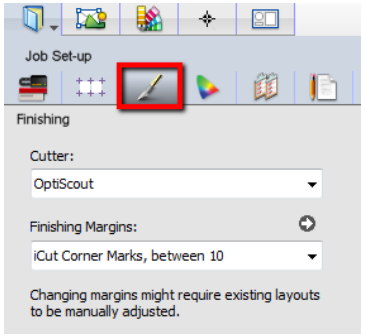
Unlock the 'Mark Engraver' if you want to change the settings or conditions of these mark sets.



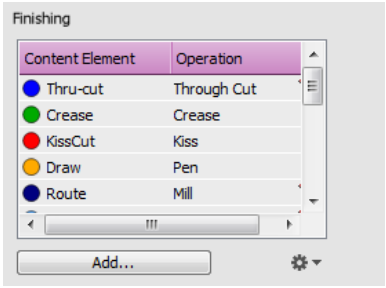
6. Close the 'Mark Engraver'.

4. Create a job

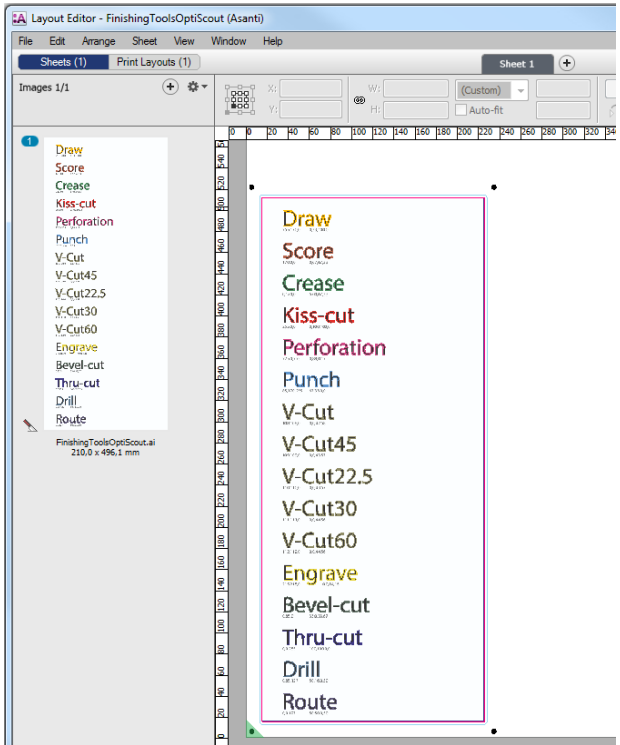
1. In the 'Jobs' window, select File menu > New Layout Job.
2. Open the 'Finishing Inspector'.
3. Select Cutter 'Optiscout', select 'Finishing Margins' e.g. iCut Corner Marks, between 10.
4. In the 'Images panel' click '+'.
5. Locate the sample files in '...\Asanti_4.0_CutterResources\Optiscout\Sample Files' and click 'Open'.



6. Select the image in the 'Images panel'.
7. Open the 'Image Inspector' (Alt+2)
8. You can see that all spot colors (content element) in this sample file are automatically assigned to corresponding finishing operations e.g. Thru-cut is assigned to Through Cut. If this is not the case, context click a content element and choose 'Add' or 'Edit' to assign a spot color to the correct finishing operation.



9. Drag the image from the Images panel to the Sheet.
10. Verify if the Cutter Registration Marks are automatically placed.
11. Submit job, choose for Print files: 'Make and send to printer' and for Cut Files: 'Make and send to cutter'.

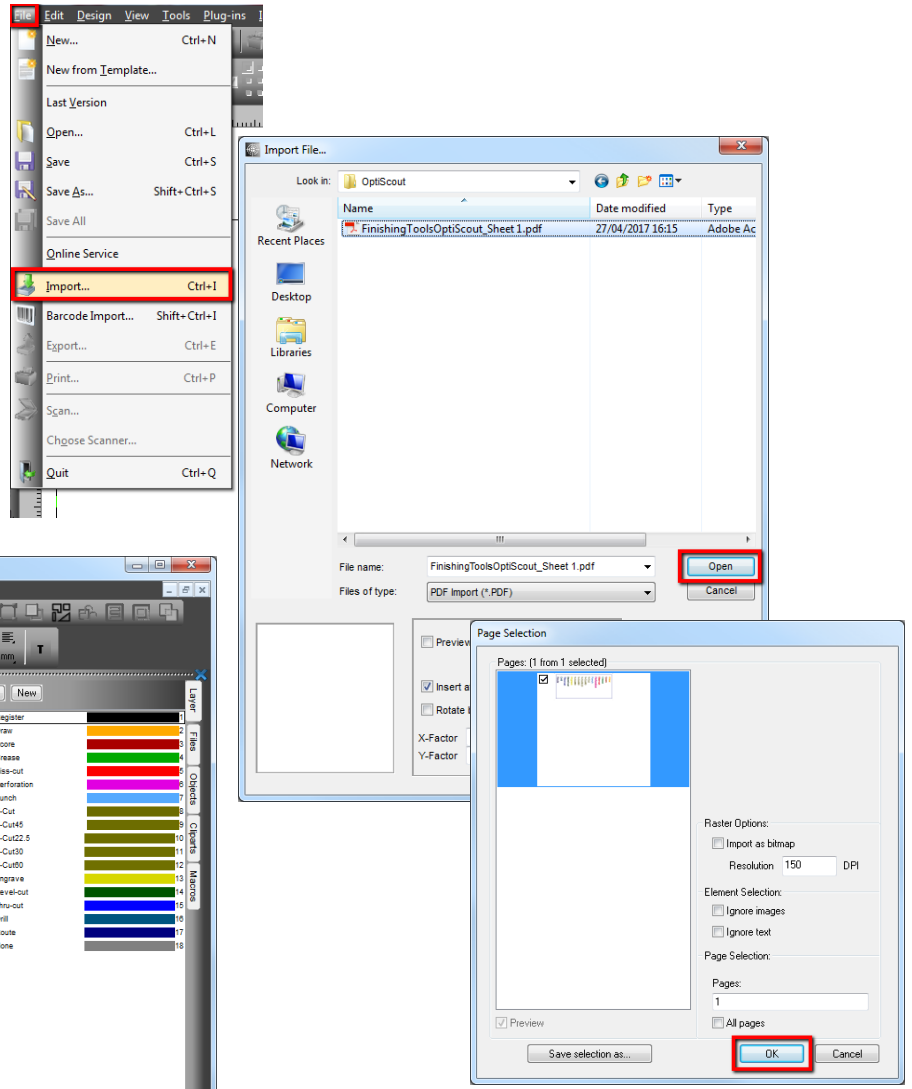


Import PDF cutting file in Optiscout

1. Start Optiscout.
2. Select the File menu > Import.
3. Browse to the location where Asanti exports the PDF cutting files e.g. \\$SYSTEMCOMPUTER\FinishingRoot\Optiscout'
4. Select your PDF cutting file and click 'Open'.
5. Click 'OK' to confirm the selection of the first page from the PDF.

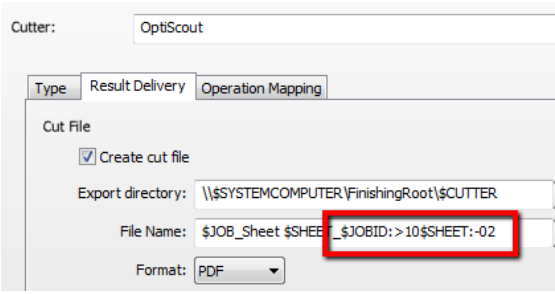
If you want to skip this extra step, go to Settings > Standard Settings > Import/Export and enable 'No page selection on import' in the PDF section.

6. The cutting file is now imported and the tools created by Asanti as PDF layers are assigned to the tools of the Optiscout cutter.



5. Using barcodes (Code39 or QR-code)

Setup the Optiscout Cutter for using barcodes



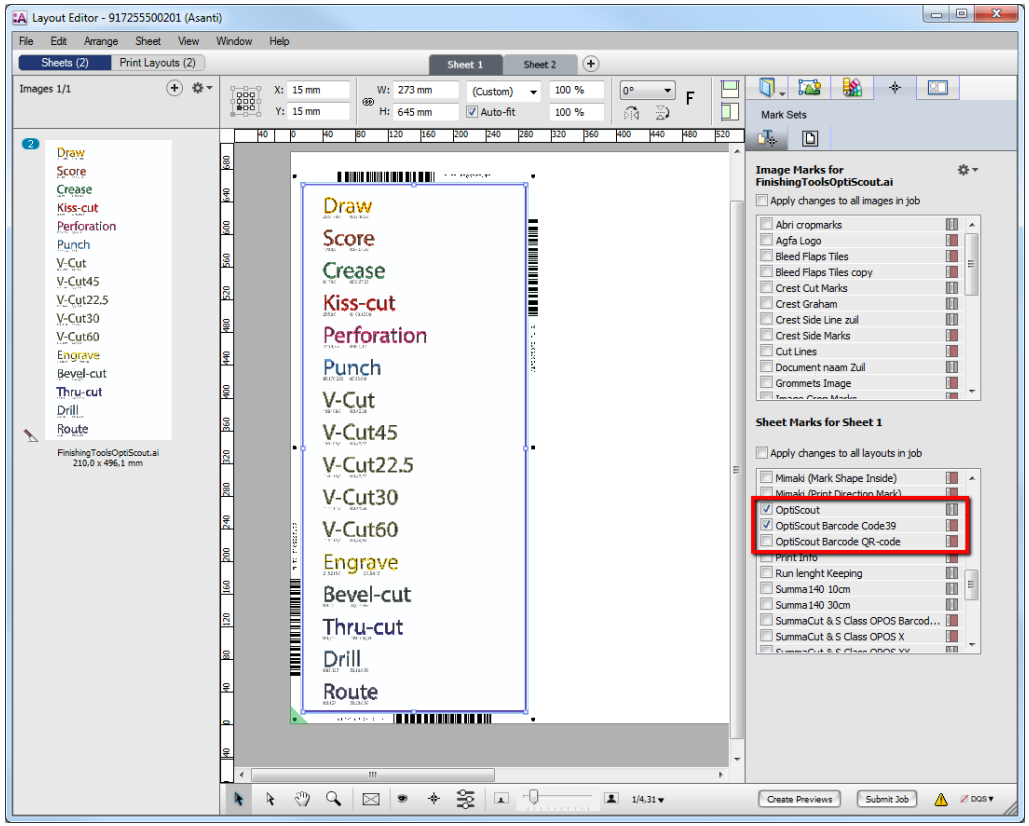
1. In the 'Finishing Hub' Resource (Ctrl+Alt+2), select the 'Optiscout' cutter.
2. In the 'Result Delivery' tab, you have to add "_$JOBID:>10$SHEET:-02" to the 'File Name' convention:
   - $JOBID is a variable and will be replaced by a unique internal jobid, clipped at 10 characters.
   - $SHEET is a variable and will be replaced by the number of the print layout, clipped at 2 characters.

Most barcode hand scanners or build-in ICC cameras support up to 12 characters. You can also add this unique number in front of the 'File Name'.

3. Close the 'Finishing Hub'

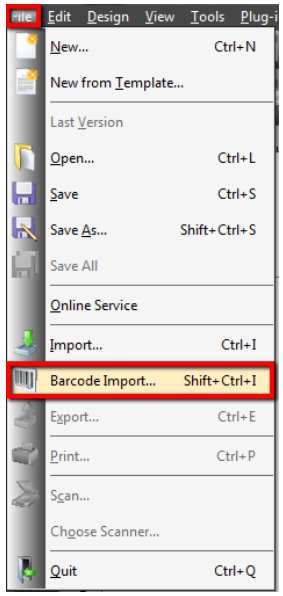
Create a job with a barcode Mark Set

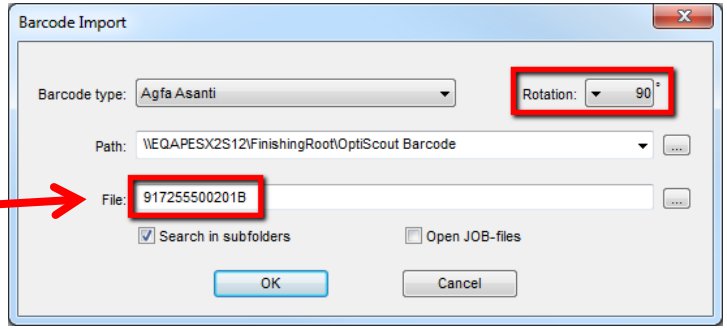
1. In the 'Jobs' window, duplicate the job created before (see 4. Create a job) and scale the image 130 %.
2. Open the 'Mark Sets Inspector' (Alt+4)
3. Select the 'Optiscout Barcode Code39' or 'Optiscout Barcode QR-code' mark set in the Sheet Marks category
4. Submit job, choose for Print files: 'Make and send to printer' and for Cut Files: 'Make and send to cutter'.



Import a PDF cutting file with a barcode scanner

1. In Optiscout select the File menu > Barcode Import
2. Select ‘Agfa Asanti’ for Barcode type and set Rotation to ‘90°’.
3. For the ‘Path’, browse to the location where Asanti exports the PDF cutting files e.g. \\$SYSTEMCOMPUTER\FinishingRoot\Optiscout’
4. Read the barcode with the ‘Barcode’ hand scanner or build-in ICC camera (or enter the numbers from the text displayed next to the barcode). The last character of the barcode data is an indicator for the orientation (B,T,L,R).





5. Click ‘OK’
6. The cutting file is now imported and the tools created by Asanti as PDF layers are assigned to the tools of the Optiscout cutter.