

Slidescanner - Zeiss Z1 - PartOptionalC: Import Naming & Scan Profile Assignment From Excel

This guide shows how to generate a comma separated value file, which can be used to assign names and scan profiles for each slide of the slidescanner.

Written By: z mbstaff

names_and_profiles - Editor

Datei Bearbeiten Format Ansicht Hilfe

```
1;1;Sample1 brightfield;BF 5x default ZMB.czspf
1;2;Sample_2_Fluo;FL_10x_405_488_594_647_default_ZMB.czspf
1;3;;
1;4;;
2;1;;
2;2;;
2;3;;
2;4;;
3;1;;
3;2;;
3;3;;
3;4;;
4;1;;
4;2;;
4;3;;
4;4;;
5;1;;
5;2;;
```

Step 1 — Definition of names and scan profiles

• : × ✓			12 700		1	1 Sample1_brightfield	BF_5x_default_ZMB.czspf		-	
~ 0			E F G	2	1	2 Sample_2_Fluo	FL_10x_405_488_594_647_de	fault ZMB.czspf		
aynumber Slidenumber	Name of the Sample	Profile that should be used	Steps needed:	3	1	3				
			go to the next table	4	1	4				
			type in the name and t	5	2	1				
			Save the table as a csv	6	2	2				
			You can open it in note		2	3				
		Examples for a profile	If it is semicolon you ha		2	4				
		FL_10x_405_488_594_647_default_ZMB.czspf	This is done in ZEN in t	9	3	1				
		FL_10x_405_488_594_647_default_ZMB.czspf		10	3	2				
		FL_10x_405_488_594_647_default_ZMB.czspf		11	3	2				
				12	2	4				
		GATTA-Cells-1c_STED-Probe_660-1c_FL_40x_ZMB.czspf		12						
		GATTA-Cells_4c_FL_40x_405_488_555_647_ZMB.czspf		13	4	1				
		Leica_Cells_4c_FL_40x_405_488_555_647_ZMB.czspf		14	4	2				
		Leica_STED-Probe_775-1c_FL_40x_ZMB_NEW.czspf		15	4	3				
		BF_5x_default_ZMB.czspf		16	4	4				
		BF_5x_default_ZMB.czspf		17	5	1				
		BF_5x_default_ZMB.czspf		18	5	2				
				19	5	3				
				20	5	4				
				21	6	1				
ample for a Setup:				22	6	2				
				23	6	3				
1	1 Sample_1	GATTA-Cells-1c_STED-Probe_66C 1c_FL_40x_ZMB.czspf	Data from this slide w	24	6	4				
1	2 Sample_2	GATTA-Cells-1c_STED-Probe_66C 1c_FL_40x_ZMB.czspf	This is called Sample 2	25	7	1				
1	3 Sample_3	BF_5x_default_ZMB.czspf	Here we have applied	26	7	2				
1	4 Sample_4	FL_10x_405_488_594_647_defa t_ZMB.czspf		20	7	2				
				27	-	5				
				28	/	4				
				29	8	1				
				30	8	2				
				31	8	3				
	able for naming in Z			32	8	4 e the table Table for nami				

- Open the Excel template, that is attached to this guide. (*Scroll down to the end of the guide to see attached files*)
 - Sheet with explanation
 - Actual template for the Slidescanner
- Headers of the columns that you have in the template.
- Example how the template should look, if there is a name and profile assigned.
- In this example only the first two slides of tray 1 are defined.

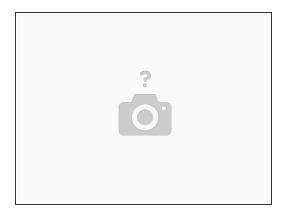
The scan profile has to have the exact same name as in ZEN and they have to be available in your own scan profile folder on the slidescanner.

Step 2 — Saving the sheet.

unter	ex. Simples, Schwanner, James) Image: A state sta	✓ ● 4 4 0 000 155,000 Johannes Kemann 00 ○ ○ 7 - 0 0 ○ ○ 7 - 0	Durie F G H J K Comment, and profiles - Editor Antibility BF_SS_default_2XMS.cspf Comment, and profiles - Editor Date Beacher Date Beache
ndal Zonich stat Zonich U nich nich st		Andersrapsblass	More work flucture Der sagerskilte Eutorige projekter stereftstatter eretikter eretikter, eretikter eretikter, eretikter eretikter, eretikter eretikter, eretikter eretikter, eretikter eretikter, e

- With your naming sheet active, go to "save as" in Excel.
- Choose a storage location (preferably your home drive, as you will have access from the Slidescanner); Define a name.
- Choose CSV as the saving format.
- Accept the warning, that it will only save the current active sheet.
- Open the file in an editor and check, if Excel chooses Semicolon or coma as a separator (This depends on your Region settings in Windows).

Step 3



- Go to the Slidescanner, that you booked.
- Follow the Startup Guide: <u>Slidescanner Zeiss Z1 Part1: Start Up</u>
- Load your slides in the exact same order, as you wrote your naming list.

(i) The trays have small numbers from 1 to 4 on it.

	cuments\Carl Zeiss\ZEN\Documents\Scan Profiles		✓ → Search		
Scan Profiles	Name	Date modified	Tune	Cive	
Stage Marks Tissue Detection Settings Templates	BF_5x_default_ZMB.czspf FL_10x_405_488_594_647_default_ZM	07.11.2019 15:28 B.czs 11.11.2019 17:17	CZSPF File CZSPF File	204 KB 298 KB	
(a) My Music					
My Pictures					
My Videos					
🕹 Downloads					
1 Favorites					
Links	- X				
E Local Settings					
h Music					
My Documents					
e NetHood					
E Pictures					
PrintHood					
Recent					
Saved Games					
,∞ Searches					
SendTo					
8 Start Menu					
Templater	*				

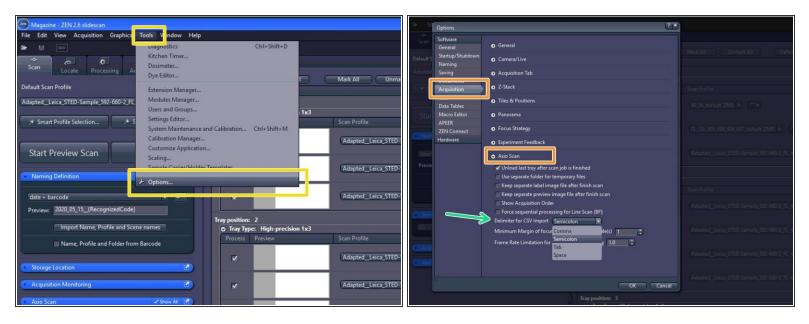
Step 4 — Check if the scan profiles are available

i) This step is only needed, when you use the profile for the first time.

 Make sure your scan profiles, that you assigned in the csv file are in this location on the slidescanner.

- You can copy
 "C:\Users\%username%\Documen ts\Carl
 Zeiss\ZEN\Documents\Scan
 Profiles" into the Windows file
 - explorer to get to the location
- These are the profiles from the example in the Excel sheet.

Step 5 — Check which delimitors ZEN uses.



(i) This step is also only needed the first time ZEN is set up with a csv file.

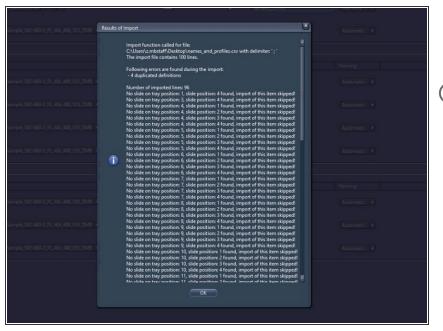
- Go to "Tools" -> "Options"
- Go to " Acquisition" -> "Axio Scan"
 - Choose "Semicolon" as "Delimiter for csv import"

Step 6 — Import the csv

		Scan configuration	
Magazine - ZEN 2.6 slidescan			R. Court Bullet
File Edit View Acquisition Graphics Tools Window Help		← → · · ↑ ■ · This PC · Desktop	V 🖏 Search Desktop
		Organize 👻 New folder	8=
Scan Locate Processing Analysis Default Scan Profile Rdapted_Leico STED-Sample 592-660-2; PL_40x_488; 555; T T T * Smart Profile Steetion * Scan Profile Wizard * Scan Profile Wizard	Magazine Expand All Collapse All Mark All Unmark All Defa Tray information Tray position: 1 O Tray Type: High precision 1x3 Process Proview Scan Profile	Pulcke acces Destrop Pottures Pottures	
Start Preview Scan Start Scan	✓ Adapted_Leica_STED-Sample_592-660-2_FL ✓ Adapted_Leica_STED-Sample_592-660-2_FL	This PC Cestop Pocuments Calification My Nusic My Fictures	
	Image: Adapted_Leica_STED-Sample_592-660-2_FL Tray position: 0 Tray Type: High-precision 1x3 Process Process V Adapted_Leica_STED-Sample_592-660-2_FL	My Videos Downleads Nutric Protures Videos Os (C:) DATA (D) Pidiaccanne50 ♥	
Acquisition Monitoring	Adspted_Leics_STED-Sample_592-660-2_FL Adspted_Leics_STED-Sample_592-660-2_FL Adspted_Leics_STED-Sample_592-660-2_FL Adspted_Leics_STED-Sample_592-660-2_FL	File name: names_and_profiles.cv	Import scan conf Open 2.FL_40_488_555_ZMB O

- Click on "Import Name,..." in the "Naming definition" tab of ZEN.
- Choose your csv file.

Step 7



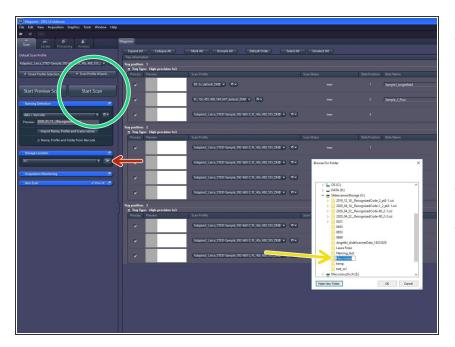
import of the settings. It skips the positions, where no slide is present.

Step 8

Process Pr	on 1x3			e Position Slide Name	Naming
~	BF.Sc.default(ZMB) + 0+			1 Sample1_brightfield	Manually
~	FL_101_405_488_594_647_default_ZMB 👻 👁 💌			2 Sample_2_Fluo	Manually
~	workstollicerce_stree.sumble_sec.coorx_rc_worksc_ss		new	,	Automatic
ny position: 2 © Tray Type: High-precisi					
Process Preview	Scan Profile	Scan Status		Slide Position Slide Name	Naming
~	Adapted_Leica_STED-Sample_592-660-2_FL_40x_488_555_	ZM8 • •			Automatic
~	Adapted_Leica_STED-Sample_592-660-2_FL_40x_488_555_	ZME • •			Automatic
~	Adapted_Leica_STED-Sample_592-660-2_FL_40x_488_555_	ZME • •			Automatic
~	Adapted_Leica_STED-Sample_592-660-2_FL_40x_488_555_	ZM8 • •			Automatic
y position: 3					
Tray Type: High-precisi Process Preview	Scan Profile	Scan Status		Slide Position Slide Name	Naming
~	Adapted_Leica_STED-Sample_592-660-2_FL_40i_488_555_	ZM8 • Ø•			Automatic
~	Adapted_Leica_STED-Sample_592-660-2_FL_40x_488_555_	7M8 - 0-			Automatic
~	Adapted_Leica_STED-Sample_592-660-2_FL_40x_488_555_	ZM8 • 0 •			Automatic

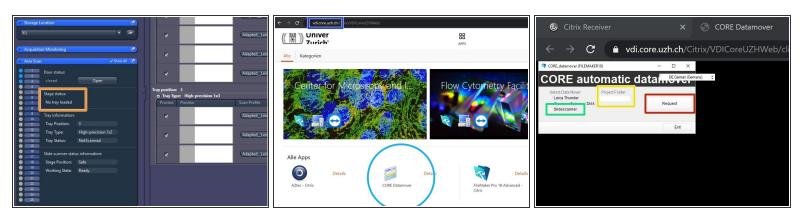
- Check if your scan profiles and names were assigned correctly.
- Positions that are not further defined in the Excel sheet / csv are scanned with default settings. before clicking on "Scan" the slides you did not further define should be excluded by unmarking.

Step 9



- Choose "X:\ " as the storage location.
- Make a new folder and rename it with the experiment number from the Filemaker.
- Cick on "Start Scan"
- Let the machine run.

Step 10



- Once the acquisition is finished, make sure all the trays are unloaded.
- Then open the Slidescanner door and remove all your slides again. Then close the door, close the ZEN software and sign out your account from the computer.
- Go to Citrix and login with your core account.
- Click on the "CORE Datamover"
- Choose the "Slidescanner"
- Type in the project number of your acquisition
- Click on "Request" to start the data transfer.
 - (i) You will get an Email, when the data transer is finished.