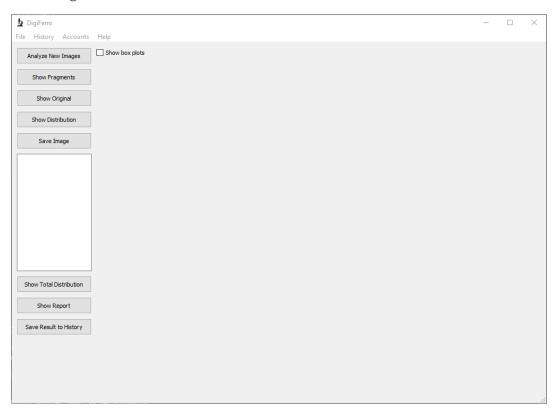
DigiFerro Guide

Main Program Window:



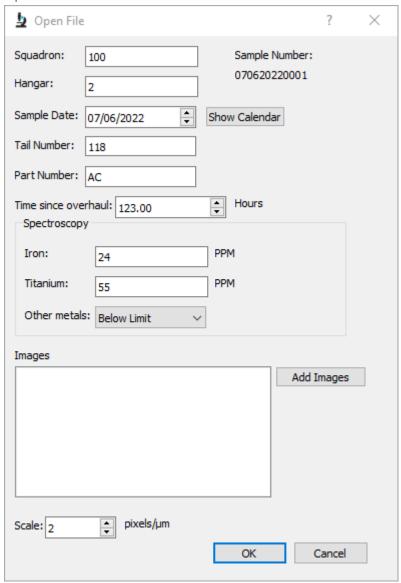
Button Overview:

- Analyze New Images Open a window to type in all details regarding a ferrography sample and to choose the microscope images
- Show Fragments Display the fragment mask, white shapes are for spalling, gray for rubbing
- Show Original Display the original image
- Show Distribution Display the fragment distribution according to the defined size categories
- Save Image Save the currently displayed image to file
- Show Total Distribution Display the overall fragment distribution in the marked images
- Show Report Creates and opens a PDF report about the sample's info and result.
- Save Result to History Add the result to overall ferrography history tracker.
- Show box plots Displays bounding box indicator for spalling fragments above 75 microns

Menu items:

- History options to import an existing history file (as an excel file) and to view the overall ferrography history.
- Accounts User management options, from password change to adding of new users (restricted to admins)
- Help Help information (this guide) and About dialog box.

Open File Window



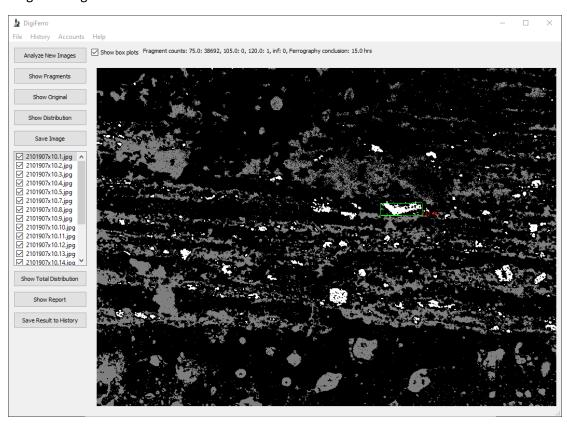
This window is used to specify all the relevant information.

Images can be either be browsed via 'Add Images' or be dragged to the white rectangle.

Example of after choosing images:

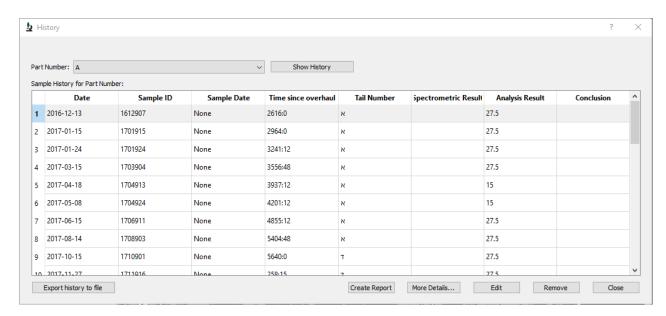


Original Image



Fragment mask and additional information

History Window

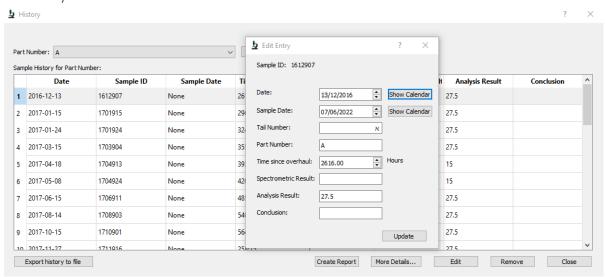


Shows sorted history of each part monitored.

Button overview:

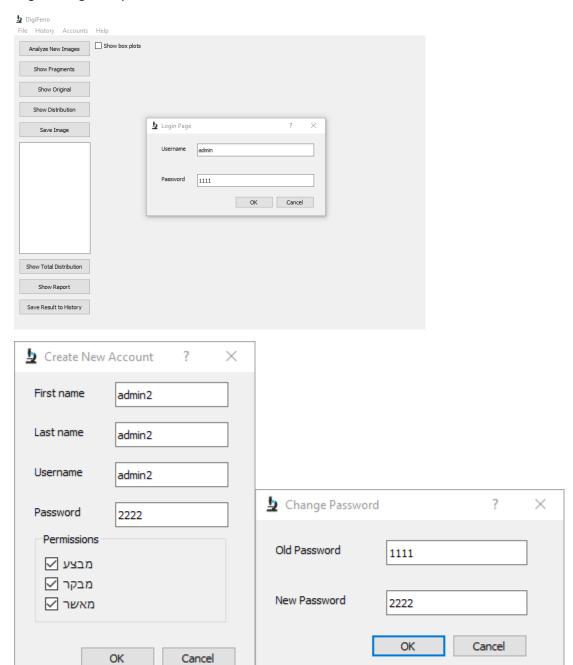
- Show History Displays the selected history of the selected part in combo box.
- Export history Exports the displayed table into an excel spreadsheet.
- Create Report Displays a PDF report about the selected sample. (Same format as the one in the Main Window's 'Show Report' button)
- Edit opens a window to edit the selected sample.
- Remove removes the selected entry from the part's history.

Edit Entry



User management

Login dialog example:



User creation (restricted to admins)

Password change

User management window (restricted to admins):

