

What's new in RheoWin

Version 4.97.0000

(Released 06.08.2026)

Below is a list of things that are new and/or changed in version 4.97.0000 compared with version 4.96.0000 of RheoWin.

Installation

Example Job and Data files

- The Jobs for Tribological measurements have been rewritten.
- There are two new Jobs for the MARS iQ Air for demonstrating the modified low torque specifications.

Ahlborn Almemo device

- The driver for the Ahlborn Almemo universal measuring device (used for temperature measurements) is now automatically installed by RheoWin.

General

AuditTrail

- Not all changes that can be made in the various Powder Rheology measurement and evaluation elements were tracked in the AuditTrail. This has been solved.
- There was a rare issue with tracking changes in the AuditTrail that were too long (contained too much text) for certain AuditTrail database fields. This has been solved.
- Under certain circumstances AuditTrail entries were not stored in the correct order. This has been solved,

DeviceManager / Device Drivers

MARS iQ (Air)

- Running a Job when the Raw data option is active caused several problems. This has been solved.

Viscotester iQ (Air) and MARS iQ (Air)

- A three line inventory number/information text for the rheometer can now be entered in the RheoWin DeviceManager. This information is stored in the rheometer firmware and displayed and saved in every .rwd data file as part of the Job information text.

MARS 40/60

- In RheoWin 4.96.0000 there was no error message when the air-bearing pressure was too low for running a job using a tribology measuring geometry. This has been solved, an error message saying that the air-pressure must be set to at least 2.5 bar is now displayed.

Julabo Corio circulators

- RheoWin can now control Julabo Corio circulators using the corresponding new driver.

JobManager

Opening a Page file in Job Manager

- A .rwp Page file can now be opened directly in Job Manager. When doing so the Job contained in the .rwd Data file which is contained in the .rwp Page file will be opened in a Job Editor.
In case a .rwp Page file contains multiple .rwd Data files the Jobs contained in those .rwd Data files will be opened in separate Job Editors.

Saving a Job file

- When a Job was opened from a .rwd Data file, the save Job file dialog now uses the file name from the .rwd Data file as a suggestion for the Job file name.

Transferring a RheoStress 1 Job to a MARS iQ (Air)

- Using a Job containing OSC elements which was created for a RheoStress 1 with a MARS iQ (Air) resulted in unexpected measurement results due to the different interpretation of certain measurement parameters. This has been solved.

Working with RheoStress 1 and RotoVisco 1 internal Jobs

- Working with RheoStress 1 and RotoVisco 1 internal Jobs in JobManager and in DeviceManager did not work anymore since RheoWin 4.91.0000 and higher. This has been solved.

Device Toolbar

- The Device Toolbar can not be disconnected from the default rheometer anymore when a Job is being executed.

Save Element / Save data

- Starting from RheoWin 4.94.0000 the automatic file name functionality did not work correctly anymore. This has been solved.

Lift Element

- The settings of the Lift Element are displayed and saved in every .rwd data file as part of the Job Information text.

Set Element

- The set angular position options now also work for the Viscotester iQ Air.
- The set optimal angular position option for the MARS iQ (Air) and MARS 40/60 has been improved.

Camera control window

- Under certain circumstances the scaling bar for RheoScope images was not correct. This has been solved.
- The current approximate RheoScope image size in μm is now displayed in the Scale bar area in the lower right corner of the dialog window.
- The text of certain items in this window have been corrected/modified.

Job Information

- Under certain circumstances a temperature offset value was displayed twice. This has been solved.

ROT Temp Step Element

- This element did not work correctly when a logarithmic equidistant distribution for the temperature values was selected. This has been solved.

ROT Temp Ramp and OSC Temp Ramp Element

- In the element editor the unit for the $\Delta T/t$ value is now always displayed as $^{\circ}\text{C}/\text{min}$, $^{\circ}\text{F}/\text{min}$, K/min etc.

- Under certain circumstances the ROT Temp Ramp element did not reach the final temperature because t_{seg} was not measured correctly. This has been solved.
- In the OSC Temp Ramp element a logarithmic equidistant distribution for the temperature values can now be selected (as in the ROT Temp Ramp element).

All OSC Elements

- The take from previous option for τ and γ values did not work correctly for certain combinations of OSC elements.

OSC Amplitude Sweep Element

- Using the measured torque as a break criterion did not work correctly. This has been solved.

All Evaluation Elements

- Scrolling in the list of QC criteria on the QC page of an element editor did not always work correctly. This has been solved.

Powder Shear Evaluation Element

- Under certain circumstances the settings on the Layout page of the element editor were not used correctly. This has been solved.

Thixotropy Evaluation Element

- When launching the Thixotropy evaluation routine, on a page which already contains a Thixotropy evaluation, RheoWin 4.96.0000 would crash. This has been solved.

DataManager

Loading a Data or Page file

- The time needed for loading and displaying a data or page file has been reduced by around a factor of 3.

Saving a Data file

- When a Data file was opened by loading a .rwp Page file, the save Data file dialog now uses the file name from the original .rwd Data file (contained in the .rwp page file) as a suggestion for the new Data file name.

Viewing images

- When multiple .rwd Data files are displayed in one Page, DataManager will now automatically show the images contained in a certain Data file when a curve of that file or the table of that file is selected.
- The name of the .rwd Data file containing the currently displayed image is now shown below the image when multiple .rwd Data files containing images are displayed in one Page.

Exporting images

- Exporting an image which is contained in a *.rwd Data file to an image file (.bmp, .jpg etc.) did not work correctly. This has been solved.

