

# Software „WinRheo II“

## Evaluation, Visualization and Presentation Software

The Windows Software WinRheo II is used for the rheological evaluation of all measuring data from GÖTTFERT Capillary Rheometers as well as for presentation. The data from laboratory devices like RHEOGRAPH or Rheo-Tester (if tested with WinRheo, WebRheo or LabRheo) are also being handled like these from online devices, i.e. RTR/RTS-TD, SSR or MBR out of the Software ROSWin. The well known flexibility of MS-Excel opens many possibilities for further evaluations and graphical illustrations of the results.

### Following modules are implemented in the Software:

<b>Rheological corrections:</b>	<ul style="list-style-type: none"> <li>• Rabinowitsch-Weissenberg</li> <li>• Bagley (linear und non-linear)</li> <li>• Mooney (wall slip)</li> <li>• Heat dissipation</li> <li>• Hagenbach, Gleissle</li> </ul>
<b>Models:</b>	<ul style="list-style-type: none"> <li>• Ostwald-de Waele (power law)</li> <li>• Münstedt, Carreau-Winter, Cross</li> <li>• Sabia, Yasuda</li> </ul>
<b>Temperature Shift:</b>	<ul style="list-style-type: none"> <li>• Arrhenius</li> <li>• WLF, Carreau-WLF, Carreau-Arrhenius</li> <li>• Cross-WLF, Cross-Arrhenius</li> </ul>
<b>Various calculations:</b>	<ul style="list-style-type: none"> <li>• Normal stress difference</li> <li>• Elongational viscosity to Cogswell</li> <li>• NNI coefficient (non-Newtonian-index)</li> </ul>
<b>Calculations for options:</b>	<ul style="list-style-type: none"> <li>• Die swell</li> <li>• PVT-calculations for isobar and isothermal diagrams</li> <li>• Counter pressure chamber</li> <li>• Thermal conductivity*</li> <li>• Analysis of flow instabilities*</li> </ul>

\* external modules

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