



**COLDFORM®**



# New functionalities of COLDFORM® NxT 2.2

**Do you want to increase your productivity even more? Learn how to use the new features in COLDFORM® NxT 2.2 and make them work for you!**

By the end of this course, you will be able to use the new features in COLDFORM® NxT 2.2 and work with the best practices to configure data and analyze results.

COLDFORM® NxT 2.2 improves your experience through user interface customization, faster and

easier navigation and new shortcuts. You will also enjoy advanced options such as the drag and drop of files in setup mode or the custom actions in analysis mode. The new solver functions will also be covered in this course.

## LEVEL

**Intermediate**

## PREREQUISITES

**A first experience with COLDFORM® software is required.**

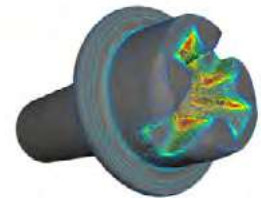
## GOALS

- **Mastering the new features in COLDFORM NxT 2.2**
- **Taking advantage of the new features of the interface to configure data and analyze results faster**
- **Increasing the predictive quality of your simulations with more realistic data setups**
- **Gaining experience based on practical case studies**

DURATION		DATES	
1 Day	09 February	08 June	12 October
TRAINING		PRICE EXCL. TAX	PARTICIPANTS
Inter-company		540€ per person	3 to 8 people
In-company		1300€ per training	1 to 3 people

**DAY 1 >** 8.30 a.m. to 12.00 p.m. & 1.30 p.m. to 5.00 p.m.

<b>Introduction</b>	<ul style="list-style-type: none"> <li>• Transvalor presentation</li> <li>• Course goals</li> </ul>
<b>Ergonomic user interface</b>	<ul style="list-style-type: none"> <li>• Right-click: customization of contextual menu</li> <li>• Automatic saving of project</li> <li>• Customization of keyboard shortcuts</li> <li>• Customization of mouse actions</li> <li>• Add favorites (processes, friction, materials...)</li> <li>• Customization of the home page</li> </ul>
<b>Advanced setup data options</b>	<ul style="list-style-type: none"> <li>• Drag and drop file loading</li> <li>• Multi-object selection:             <ul style="list-style-type: none"> <li>- Displacement and rotation</li> <li>- Trimming</li> <li>- Resizing</li> </ul> </li> <li>• Edition of files (friction, materials, heat transfer) directly from the COLDFORM® interface</li> </ul>
<b>Meshing</b>	<ul style="list-style-type: none"> <li>• Generation and visualization of the solver mesh in the interface</li> <li>• Mesh repair:             <ul style="list-style-type: none"> <li>- Easy detection of folds</li> <li>- Diagnostic of the quality of the mesh</li> <li>- Filling of holes</li> </ul> </li> <li>• Void meshing: meshing hollow spaces</li> <li>• Automatic mesh refinement</li> </ul>
<b>Advanced results analysis options</b>	<ul style="list-style-type: none"> <li>• Custom actions (display configuration, scalar display...)</li> <li>• Synchronized multi-window animation</li> <li>• Display of parts in contour line mode</li> <li>• Improved readability of the analysis slide bar (zoom, easy increment selection)</li> <li>• Computation report</li> <li>• Boundary delimitation and adjustment of the scalar scale</li> </ul>
<b>New features</b>	<ul style="list-style-type: none"> <li>• Phosphate coating</li> <li>• Long and flat products: yield computation</li> <li>• Particle tracking, drawing field lines of a scalar</li> </ul>
<b>Conclusions</b>	<ul style="list-style-type: none"> <li>• Questions and course assessment</li> </ul>



Display of a scalar in contour line mode



Drag and drop geometries