



Mastering the software

Enhance your knowledge with COLDFORM® and master the latest software features!

Thanks to this training, you will develop an expertise on the newly redesigned graphic interface, which speeds up data setup and result analysis, and you will have a better knowledge of the latest solver features. You will discover how to use the multi-project

mode, customized 'data stores' and advanced sensor and marking techniques.

After this training, you will also know how to identify defects in order to better analyze and understand the results.

LEVEL

Intermediate - Users looking for support when moving to the NxT version and willing to learn its every function.

PREREQUISITES

A first experience with COLDFORM® software is required.

GOALS

- Performing your data setup according to the 'workflow' set-out by the new graphic interface
- Launching 'step by step' or 'full process' computation
- Understanding and analyzing the results
- Customizing your working environment

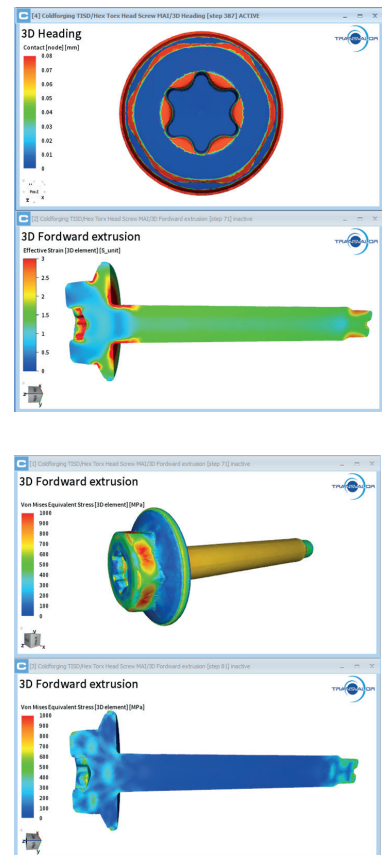
OTHER RECOMMENDED COURSES

- COLDFORM® - Die analysis

DURATION		DATES 2023	
1.5 days	09-10 February	14-15 June	11-12 October
TRAINING		PRICE EXCL. TAX	PARTICIPANTS
Inter-company		1050 € per person	3 to 8 people
In-company		1950 € 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.

Introduction	<ul style="list-style-type: none"> - Transvalor presentation - Course goals
Data setup	<ul style="list-style-type: none"> - Process, case, stage and store concepts - Importing geometries, meshing quality, local and global surface repair - Meshing parameters: advanced options, mirror, surface export - Object transformation: offset, flipping, gravity adjustment - Global switch from 2D to 3D - Rheological data: cold rheology generator, stress curves in tabulated format, anisotropic behavior - Defining friction or local heat transfer - Data verification with 'data setup status'
Launching computations	<ul style="list-style-type: none"> - Launching stages or a full case - Optimum number of cores for a simulation - Computation manager - Computation report
Result analysis	<ul style="list-style-type: none"> - Identifying common defects: underfilling, folds, cracks - Curve plotting curves: energy and forces - Comparing projects with multi-windows viewing tool - Animation of one or more process stages - Customizing working environment
Advanced functions	<ul style="list-style-type: none"> - Predefined and post-processed sensors - Marking: tracking neutral fiber and sheared surface - Identification of piping effect by under-skin marking - Identification of the flash by reverse analysis
Customizing environment	<ul style="list-style-type: none"> - Customizing the store manager and the data setup - Creating your data setup case or stage - Recording macros for automating data setup - One-click sharing



Multi-window analysis

DAY 2 > 8.30 a.m. to 12.00 p.m.

Numerical aspects	<ul style="list-style-type: none"> - Managing time steps - Remeshing techniques and meshing adaptation - Analytical and smoothed die
Advanced functions	<p>Forging</p> <ul style="list-style-type: none"> - Transition: forging in a multiple cavity matrix - Self-contact, gas and lubricant trapping <p>User routines</p> <ul style="list-style-type: none"> - General concept - Selection of predefined variables
Conclusions	<ul style="list-style-type: none"> - Questions and course assessment



Forging sequence
Courtesy of Miguel Altuna Institute