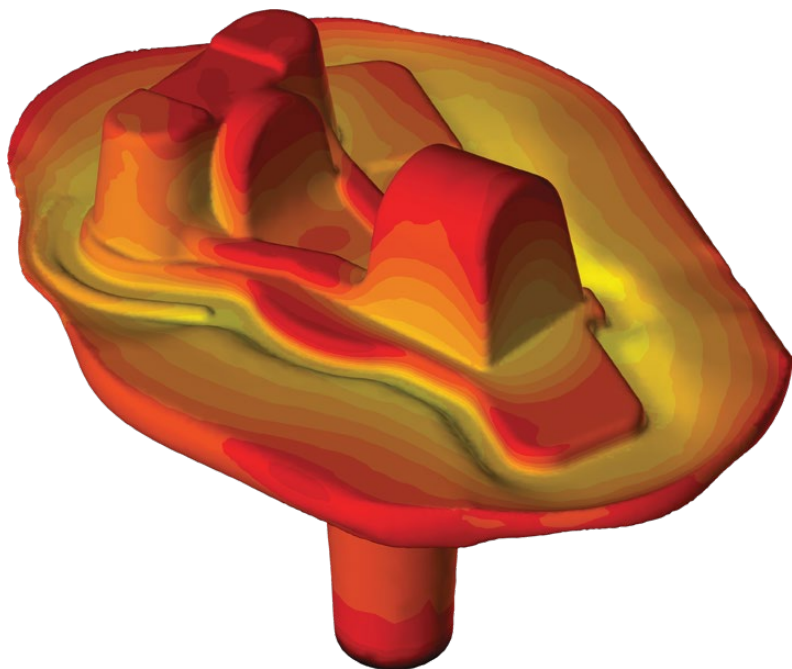


QFORM UK

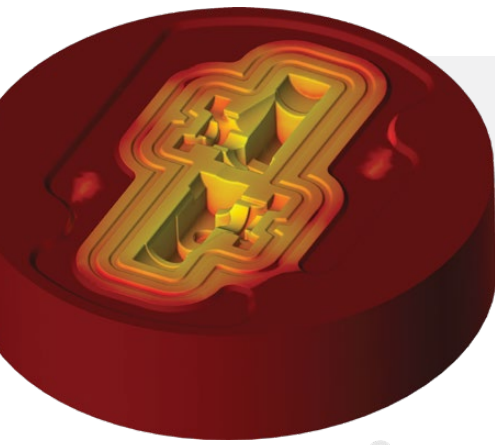
HOT FORGING



SOFTWARE FOR SIMULATION, ANALYSIS AND OPTIMIZATION OF HOT FORGING PROCESSES

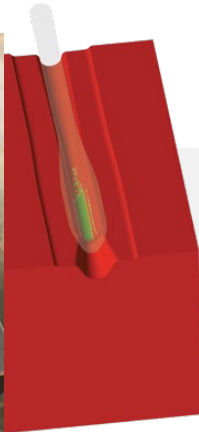
Validated by industry worldwide
Integrated with CAD/CAM
Easy-to-use interface
24/7 online support
High performance

Reduce costs
Boost productivity
Increase profitability
Extend your product range
Get more from your equipment



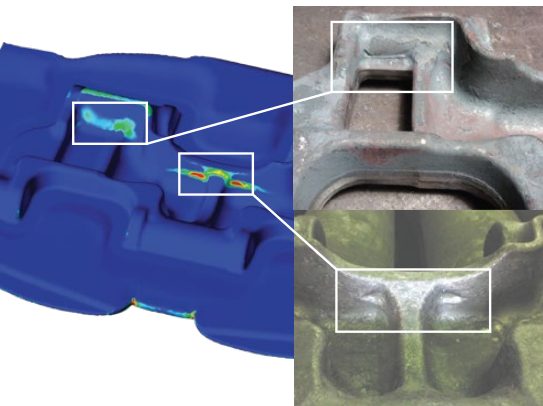
CYCLIC TOOL HEATING

Efficient simulation of the change in die temperature after several forging cycles



TOOL FATIGUE

Prediction of the number of forging cycles before a crack in the die occurs

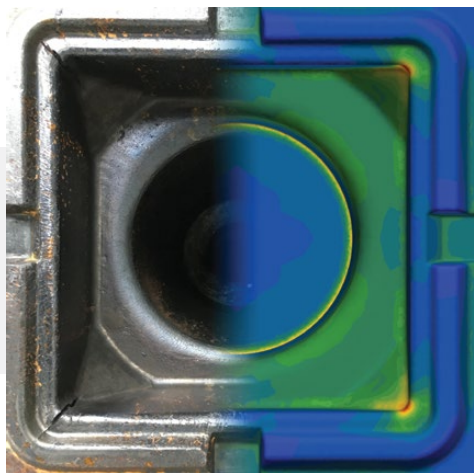


PREDICTION OF DEFECTS

Predicting all types of hot forging defects (underfilling, folds, laps, material through-flow)

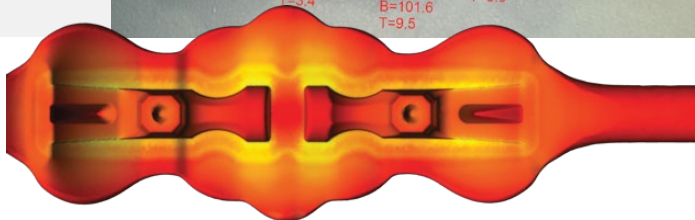
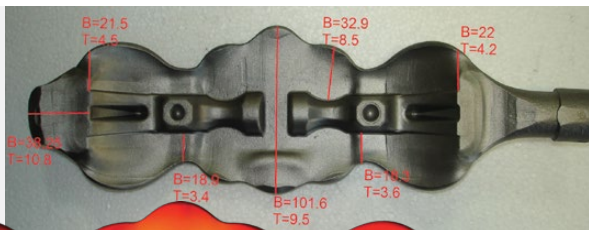
Accurate calculation of stress and strain state in the dies

TOOL ANALYSIS



Very accurate prediction of material flow, taking into account various factors

MATERIAL FLOW



Prediction of changes to die geometry as a result of contact pressure and friction

TOOL WEAR





- 2D and 3D simulation of elastic-plastic problems
- Prediction of flow defects in hot-forged parts
- Coupled simulation of workpiece and tools
- Estimation and improvement of tool life
- Crack prediction in workpiece and tools
- User subroutines for researchers
- Application programming interface (API)
- Extensive database of forging materials
- Fast simulation with highly accurate results
- Flexible setup of solving and remeshing parameters
- Set of user-friendly features for advanced analysis

