AutoForm Explorer

Software for Simulation Setup and Results Evaluation

► Efficient simulation setup
► Rapid assessment of process feasibility
► Semi-automatic results evaluation
► Easy and fast issue identification and interpretation
► Effective use of individual company standards
► Easy visualization of surface imperfections – digital stoning
AutoForm-Explorer

The software allows for rapid and easy simulation setup and evaluation of the most important result variables relevant to the forming process calculated by AutoForm-FormingSolver.

Process planners and process engineers can easily define and evaluate in detail a manufacturing process intended for the sheet metal part production. AutoForm-Explorer allows for semi-automatic results evaluation and fully supports the usage and management of company standards.

Efficient simulation setup with AutoForm-Explorer is provided by an easy to understand workflow-based navigation concept. It allows for the definition of all relevant process and simulation parameters so that the engineering workflow can be fully and authentically mapped into the simulation data.

With AutoForm-Explorer, interpreting results can be carried out quickly and easily. Semi-automatic issue identification facilitates and speeds up the identification of stamping issues as well as the types of issues and their locations. The user is led frame-by-frame to critical areas that require attention and thereby prevents any possible misinterpretations or oversights. Users can then track the progression of identified issues and quickly compare them by using synchronized multi-design views.

In addition, the software allows for draw-in evaluation by measuring the distance between the original blank boundary curve and the boundary curve of the drawn-in part, which leads to optimized material utilization.

The stamping process affects the surface appearance and thus influences surface quality. AutoForm-Explorer enables easy visualization of surface imperfections by digital stoning method. This method emulates the back and forth scratching of a stone block on a stamped outer panel.

AutoForm-Explorer fully supports the usage and management of company standards. The software also notifies the user of any deviations from the standard and thus ensures that work undertaken is consistent and in compliance with the defined norms and standards.

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