

FASTFORM[®] MultiStage

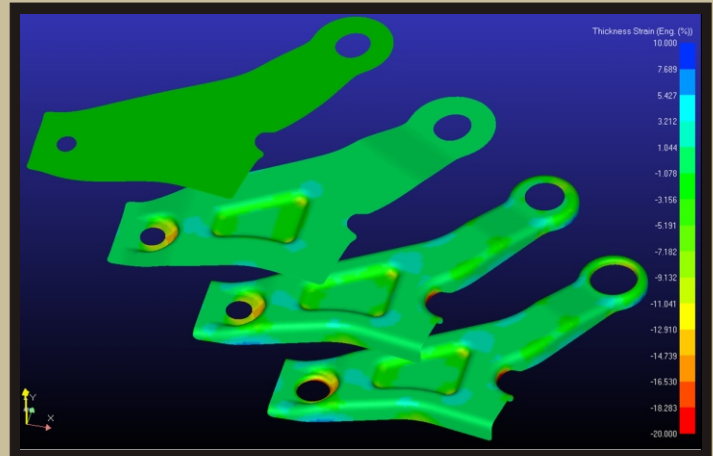
MULTISTAGE FORMABILITY ANALYSIS SOFTWARE

A FORMINGSUITE MODULE

New solver technology that provides the tools necessary to analyze forming processes that involve multiple stages of forming

Track strains from one operation to the next while concurrently developing the blank outline for the intermediate forms

Ideal for Process engineers and Tooling designers



Iterate on intermediate geometries, blank size, blank position, and forming conditions for different stamping operations

FASTFORM[®] MultiStage EVALUATES AND VALIDATES FORMABILITY FOR PARTS MADE FROM MULTIPLE STAMPING OPERATIONS

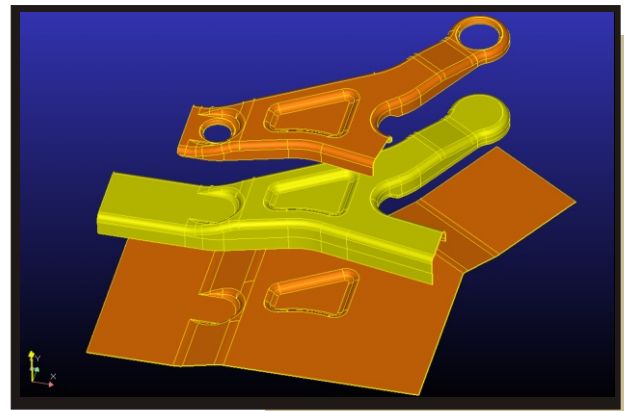


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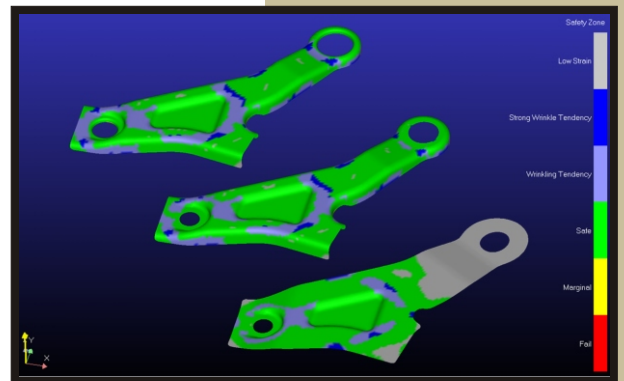
FASTFORM[®] MultiStage utilizes a hybrid analysis approach (Finite Increment Technology) that combines the ability to quickly determine blank shapes with the detailed process analysis of incremental solvers. The solution runs in both directions to track material movement back through the process while carrying the strains forward.

Features

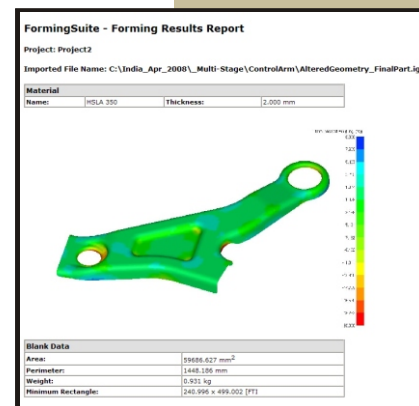
- Fast, intuitive interface makes the software extremely user-friendly.
- Considers the individual steps of the forming process.
- Develops accurate trim lines and blank shapes for multi-stage forming processes.
- Results provide guidelines for process layout, material selection, blank size, trim-line, blank holder and pressure pad force.
- Simplifies results interpretation by displaying specific formability results to depict splitting, wrinkling, and thinning on geometry.
- Detailed documentation system produces HTML, XLS format reports.



Import CAD geometry for each stamping operation



Display Safety Zone results for each operation to assess formability risk



HTML and XLS report generation

About Forming Technologies

Forming Technologies Incorporated (FTI) is the worlds leading developer of computer aided engineering software for design and simulation of sheet metal components. FTI has developed a suite of software to analyze product formability, die design and process feasibility. For the past 19 years, FTI has provided OEMs and suppliers in the automotive, aerospace, and appliance industries with innovative software and training solutions designed to reduce development time and material costs. These solutions have resulted in millions of dollars of savings for our customers. FTI and its global network of partners provide sales and technical support to customers in more than 30 countries.



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