

# FASTIncremental<sup>®</sup>

INCREMENTAL ANALYSIS SOFTWARE

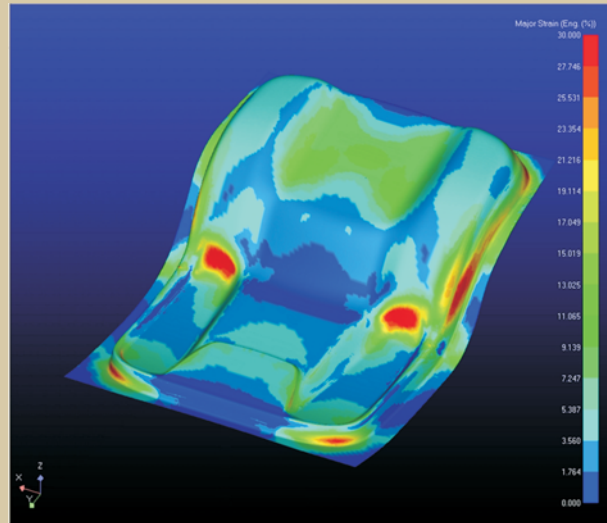
A FORMINGSUITE MODULE

The most powerful tool available for incremental simulation of final designs and process validation

Integrated in the FormingSuite workbench setup and process flow, providing significant savings of blank development time

Capable of identifying potential splitting, wrinkling and thinning problems during manufacturing

Automatic extraction of the tooling geometry from a first form geometry



Complete incremental analysis solution in the proven FormingSuite environment

**FAST Incremental** is a powerful explicit incremental analysis tool based on the tried and proven LS-Dyna<sup>®</sup> solver

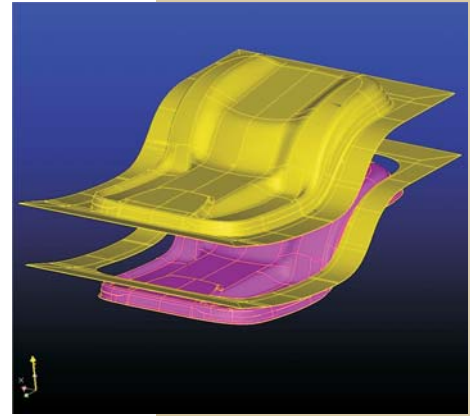


# FASTIncremental<sup>®</sup>

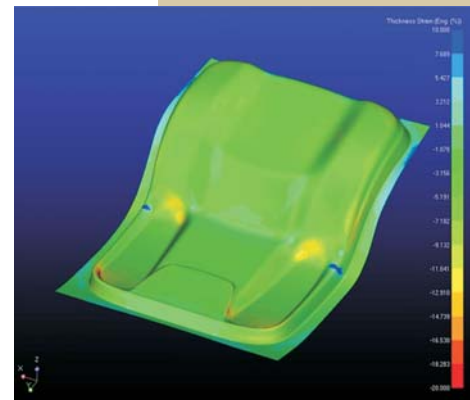
**FASTIncremental** is a user-friendly incremental analysis solution that provides a detailed virtual die tryout for users with limited FEM background. It offers many new advanced features such as automatic blank size, shape and location, automatic process setup, and automatic binder closing and wrap.

## Features

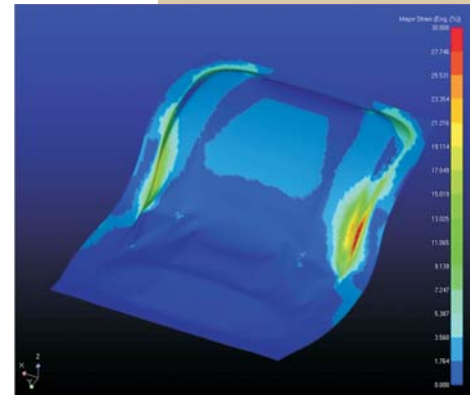
- Binder wrap calculation based on inverse technology
- Automated tool extraction from provided first form geometry
- Analysis controlled through FormingSuite graphical user environment
- Pre- and Post-Processing is done in a single, intuitive to use environment
- Fully associative and regenerative to drastically reduce downstream design changes
- Based on LSTC's proven LS-Dyna<sup>®</sup> solver



Automatic tooling extraction provides fast and easy setup



A complete set of results visualization tools help identify formability issues



Panel breakdown feature provides results throughout forming operation

## About Forming Technologies

Forming Technologies Incorporated (FTI) is the world's 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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