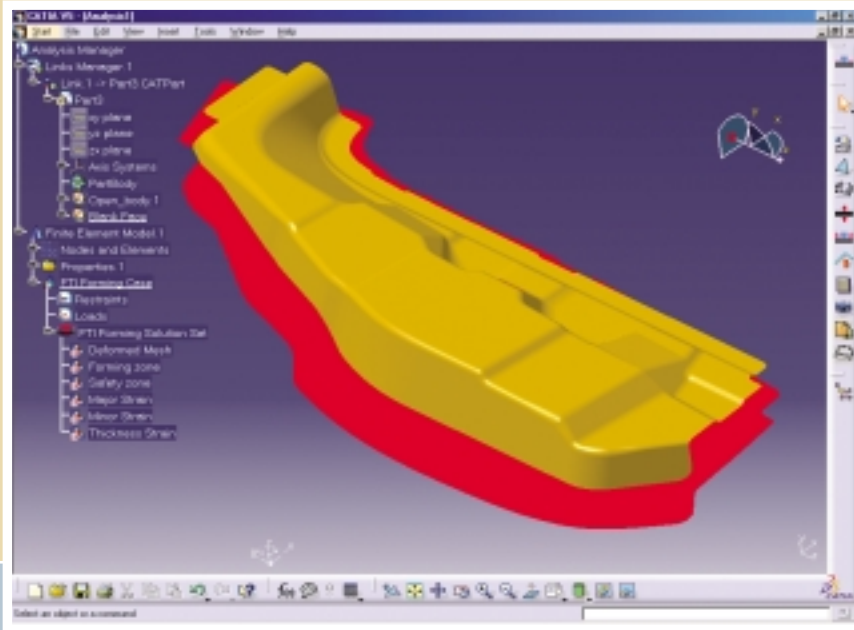




CATFORM

CAA V5 BASED

Forming Feasibility For Product Designers



- Accurately predicts product and process feasibility
- Identify formability problems using only product geometry
- Quickly identifies splitting, wrinkling, and thinning
- Substantially reduces process development time by accurately sizing blanks
- Fully integrated into CATIA V5 native environment
- Complete analysis in minutes

CATFORM integrates formability analysis into Product Lifecycle Management

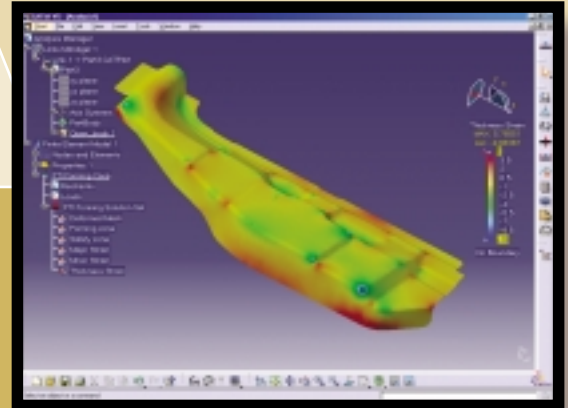


CATFORM

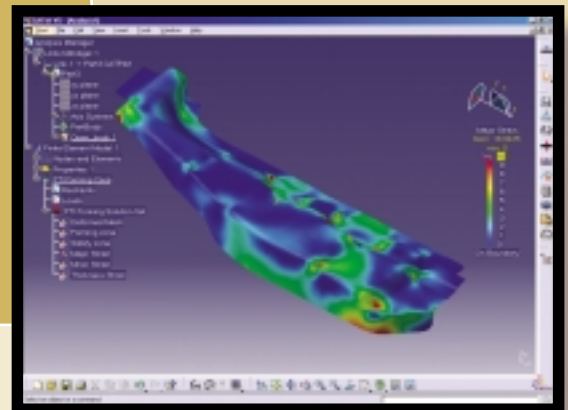
CAA V5 BASED

Formability Analysis in CATIA V5

CATFORM provides CATIA V5 users with fast formability analysis for evaluation and validation of stamped components. Formability analysis is based on component geometry and accounts for material properties, friction, and blank holder force. CATFORM determines if a component can be stamped consistently with minimum cost, while fulfilling all product performance requirements. CATFORM is fully integrated into Dassault Systèmes' PLM environment.



Thinning Plot Helps Identify Potential Hot Spots



Major Strain Identifies Severity of Stretch

FEATURES

- Develops accurate blank shapes.
- Introduces feasibility criteria during early product development.
- Simulation results include safety zones, forming zones, splitting, thinning, wrinkling, thickening, major/minor strain, and optimal blank shape.
- Supports tailor welded blanks with multiple weld lines.
- Customizable materials database provides flexibility required to simulate any material.
- All results are stored in CATAnalysis file for PLM integration eliminating multiple files.
- Export Nastran file thickness results for subsequent crash analysis.
- Fast, intuitive interface makes the software extremely user-friendly.

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 15 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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