

# CATFORM

CAA V5  
BASED

## FORMING FEASIBILITY SOFTWARE

CAA V5-Based Module

Accurately predicts product and process feasibility

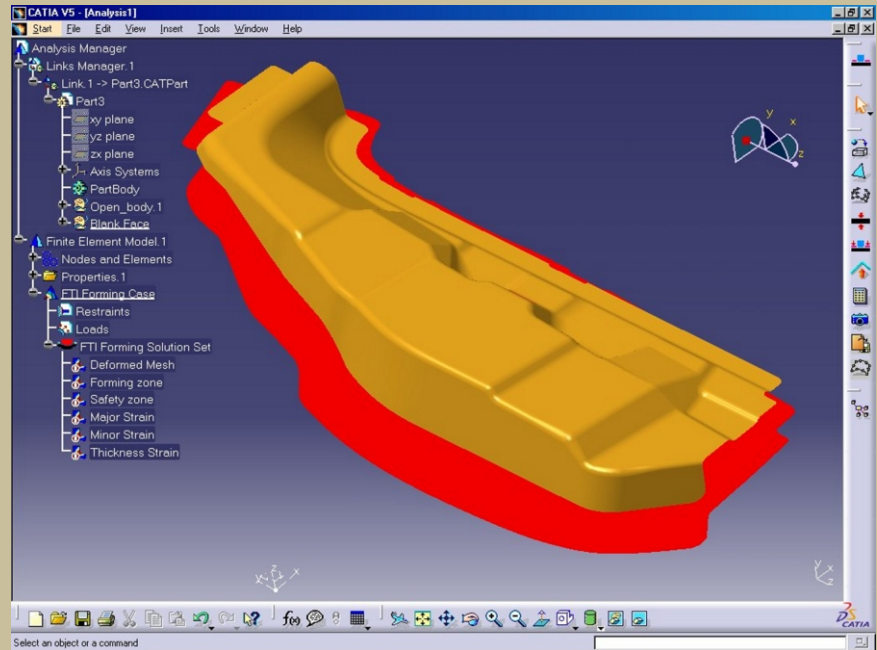
Identifies formability problems using only product geometry

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 provides CATIA V5 users with fast formability analysis for evaluation and validation of stamped components.

## CATFORM INTEGRATES FORMABILITY ANALYSIS INTO PRODUCT LIFECYCLE MANAGEMENT



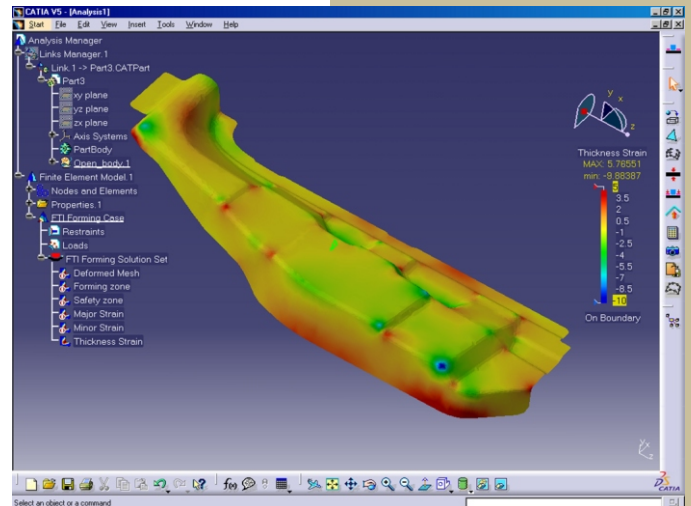
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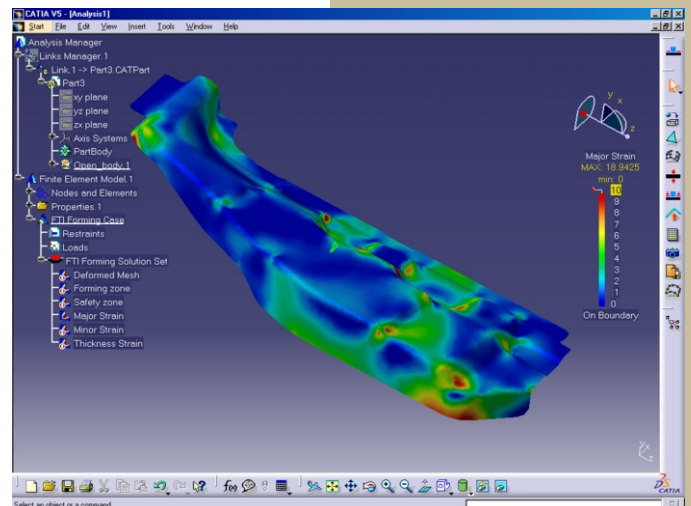
CATFORM provides CATIA V5 users with a fast formability analysis for evaluation and validation of stamped components. Formability analysis is based on component geometry and accounts for material properties, friction, and blank holder force. CATFORM determines if a component can be stamped consistently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

## Features

- Develops accurate blank shapes
- Introduces feasibility criteria during early product development
- Simulation results include safety zones, forming zones, FLD, splitting, thinning, wrinkling, thickening, stress, strain, and optimal blank shape
- Supports tailor welded blanks with multiple weld lines
- Customizable material database provides flexibility required to simulate any material
- Export Nastran file thickness results for subsequent crash analysis
- NASTRAN Fast, intuitive interface makes the software extremely user-friendly



Thinning Plot Helps Identify Potential Hot Spots



Major Strain Identifies Severity of Stretch

## 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 16 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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CATFORM