

CATSTAMP

CAA V5
BASED

PLM ENABLED DRAW DEVELOPMENT ANALYSIS IN CATIA V5

CAA V5-Based Module

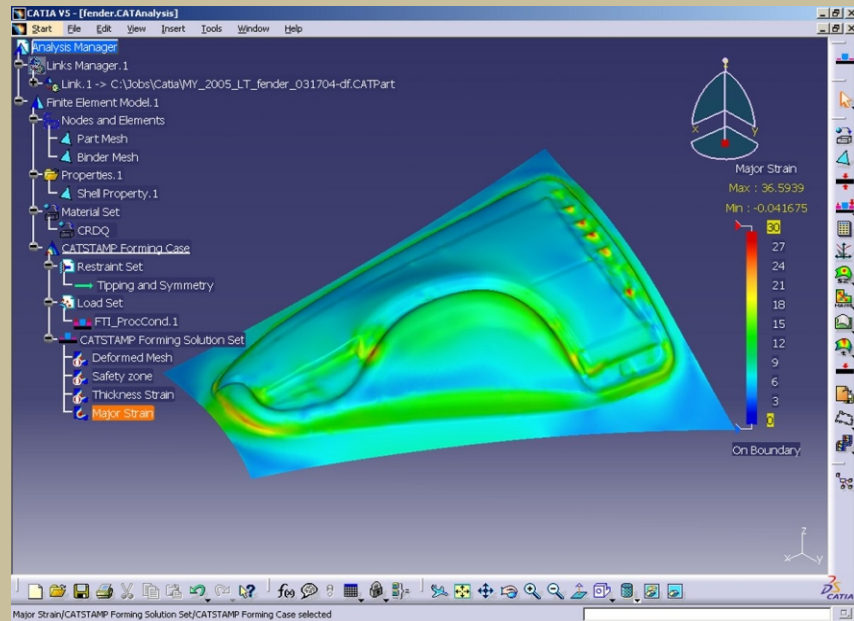
Accurately predicts feasibility of binder and addendum geometry

Immediately identifies splitting, wrinkling, and thinning

Native integration in CATIA V5

Associative and regenerative draw development analysis tool

Evaluate alternate part designs and processing conditions such as pressure pads, drawbead, and binder layout



CATSTAMP determines if a component can be consistently with minimum cost, while fulfilling all product performance requirements

CATSTAMP INTEGRATES ANALYSIS OF DRAW DEVELOPMENTS INTO PRODUCT LIFECYCLE MANAGEMENT



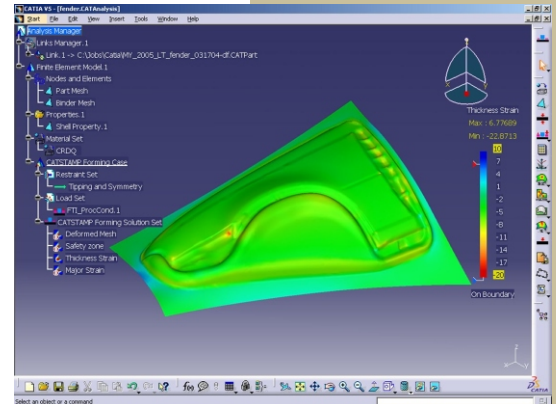
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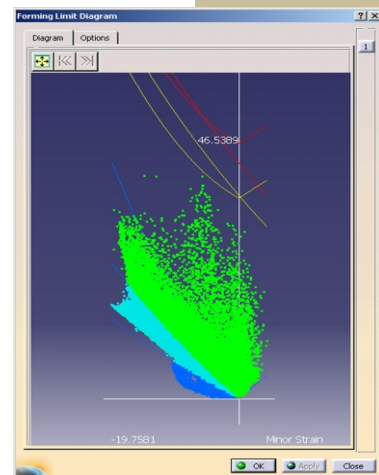
CATSTAMP provides CATIA V5 users with detailed formability analysis for evaluation and validation of stamped components and draw developments. Formability analysis is based on component or die geometry and accounts for material properties, friction, blank holder force, pressure pad, drawbeads, curved binder, and displacement constraints. CATSTAMP determines if a component can be stamped consistently with minimum cost, while fulfilling all product performance requirements.

Features

- Stamping evaluation at every stage of product and process development
- Extensive forming conditions, such as drawbeads, pressure pads, blank holders, and pilot holes
- Simulation results include safety zones, forming zones, FLD, splitting, thinning, wrinkling, thickening, stress, strain, and optimal blank shape
- Optimal blank shape stored for material costing with nesting
- Tailor welded parts analysis with multiple weld lines
- Customizable material database
- All results are stored in CATAnalysis file for PLM integration eliminating multiple files



Thinning Plot Helps Identify Potential Hot Spots



Forming Limit Diagram
Identifies Formability Issues

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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