

# Altair® HyperBlank®

Accurate Blank Size and Cost Analysis



Altair® HyperBlank® is a powerful, yet user-friendly, simulation tool that quickly and accurately estimates the initial feasibility and blank size required for stamping of sheet metal parts. The accurate blank-shape prediction and intuitive nesting interface proposes proper blank sizing, minimizes material scrap, and efficiently evaluates the initial blank cost.

## Simple

- Built-in manufacturing knowledge
- Intuitive and user-friendly interface
- Streamlined and flexible report generation

## Affordable

- Very competitive pricing system
- Includes readers for most common CAD formats
- Immediate return of investment

## Accurate

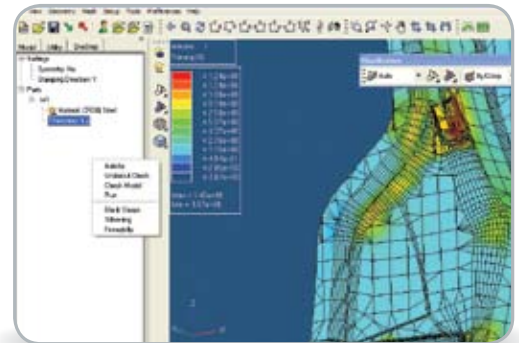
- First-class feasibility analysis
- Precise and fast blank-size calculation
- Optimized blank fitting and nesting estimation

## Key Features

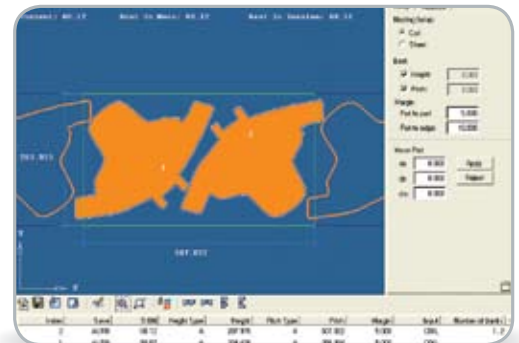
- Process-oriented, extremely easy-to-use and fully automated process
- From geometry to results in seconds
- Direct import of CAD files (CATIA®, Unigraphics®, IGS, Step, VDAs, and more)
- Automated geometry clean-up and meshless user experience
- Automatic mid-surface extraction
- Detection of the part thickness and assignment of material properties
- Equipped with a rich, completely customizable material database
- Complete and intuitive graphic user interface for blank nesting
- Supports the most common shapes for blank fitting (rectangle, parallelogram, trapezoid)
- Forming contour plots for part feasibility verification
- Automatic report generation (HTML report and summary spreadsheet)

## Target Users

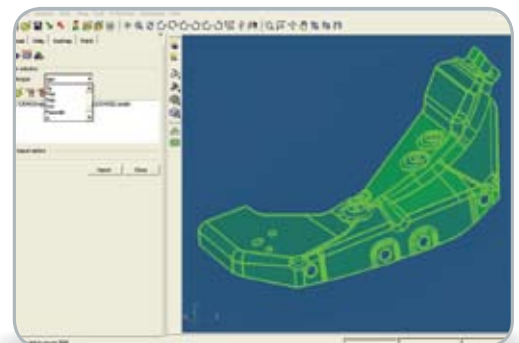
- Material Utilization Engineers
- Stamping Cost Estimators & Die Quoting Personnel
- Die Development Engineers
- Die Process Engineers



Streamlined and Intuitive User Interface



Automated Blank Fit and Nesting Optimization



Simplified Geometry Import and Clean-up

Learn more about  
**Altair® HyperBlank®**  
at [www.altairhyperworks.com/hyperform](http://www.altairhyperworks.com/hyperform)

## About Altair

Altair empowers client innovation and decision-making through technology that optimizes the analysis, management and visualization of business and engineering information. Privately held, with more than 1,300 employees, Altair has offices throughout North America, South America, Europe and Asia/Pacific. With a 20-year-plus track record for innovative product design and development, advanced engineering software and grid-computing technologies, Altair has more than 3,500 corporate clients representing the automotive, aerospace, government and defense, and consumer products verticals. Altair also has a growing client presence in the life sciences, financial services and energy markets.



Performance Simulation Technology

HyperWorks is an enterprise simulation solution for rapid design exploration and decision-making. As one of the most comprehensive, open-architecture CAE solutions in the industry, HyperWorks includes best-in-class modeling, analysis, visualization and data management solutions for linear, nonlinear, structural optimization, fluid-structure interaction, and multi-body dynamics applications.

[www.altairhyperworks.com](http://www.altairhyperworks.com)



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