A FORMINGSUITE® MODULE

FASTBLANK

FAST and ACCURATE Blank Shape Development for Material Estimation

Transfer / Tandem dies

Develops accurate blank shapes based on material properties accounting for stretch and deformation of 3D product geometry

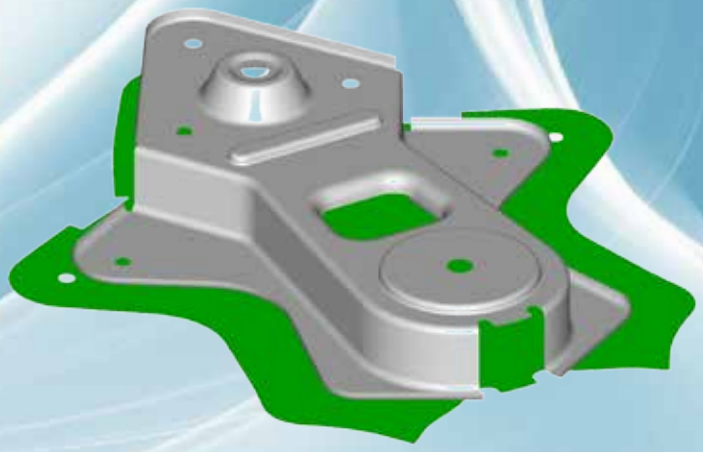
Scientific physics-based approach eliminates guess work and results in substantial reduction of trials required during prove-out stage

Calculates blank size accounting for pressure pads, blank holder forces, and pilot holes and slots

Accuratley identifies material thinning and gathering conditions

Consistent and repeatable method for estimating material for blank shape

Automatically generates a report with weight, area, perimeter, and minimum bounding rectangle



Progressive dies

FASTBLANK CALCULATES ACCURATE INITIAL BLANK SHAPES FOR DIE DESIGNS AND COST ESTIMATING IN LESS THAN A MINUTE

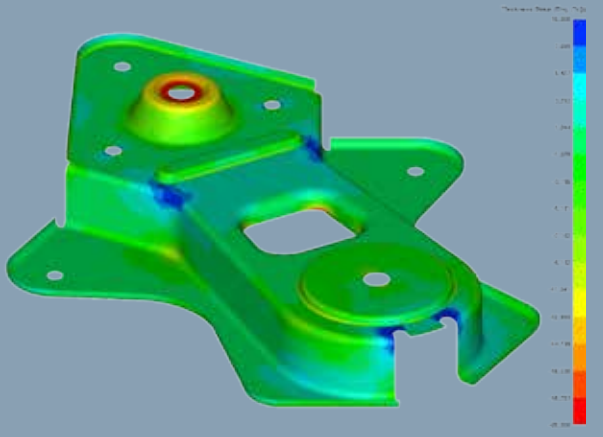
FORMING TECHNOLOGIES INCORPORATED

FASTBLANK

FASTBLANK provides users with a fast and accurate method for developing optimal blank shapes. It accounts for material stretch and deformation and is spcecifically designed for cost estimators, engineers, account managers and tool and die deisgners.

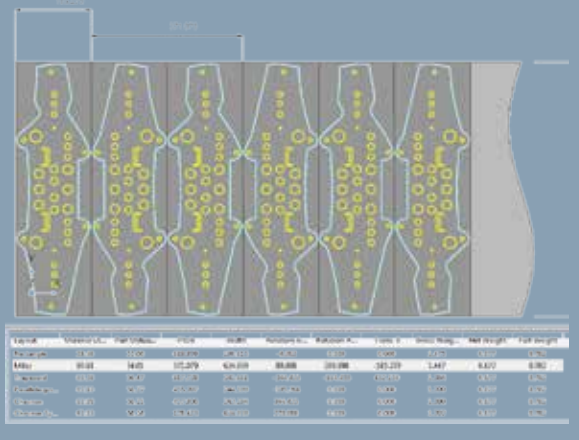
FEATURES

- Simple and logical user interface designed for immediate productivity through a familar Windows environment and excellent on-line help.
- Materials database contains over 200 common materials for immediate analysis. Materials can be imported from laboratory tests.
- Geometry tools for modifying and repairing imported surface data.
- Optional native CAD readers for CATIA V5, NX, JT, Creo, Parasolid, etc.
- Automatic or manual orientation for press direction. Display under cut elements.
- Select forming conditions for Pressure Pads, Blank Holder Force, Pilot Holes, Pilot Slots.
- FTI's proprietary Coupled Hybrid Inverse (CHI) solver for fast accurate results.
- Export smoothed blank shapes in IGES or DXF format for use with CAD or CAM systems.
- Plot full scale version of the blank shape.
- Report generated in HTML or Excel format.



Thickness Strains shows thinning and gathering

Develop blank shape



Nesting for Standard Shapes

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. Since 1989, 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. FTI has trained over 15,000 engineers in Formability and Die Design and is considered the Best in Class around the world for their industry training programs. FTI and its global network of business partners provide sales and technical support to customers in more than 35 countries.

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