

smirt diecost

produce accurate 'cost to build' estimates for a single die or a complete line of dies

SMIRT DieCost combines a CAD graphical interface specifically designed for die estimation with an input/output method that links the CAD data with formulas, standard components, castings, and rate structures. This will generate accurate "cost to build" estimates for the dies that manufacture the part.

cost estimating from part data

cost estimating from die design

super fast graphics

visualize what you are estimating

large assembly management

compute simple or intricate formulas

consistency and reliability

create curves to represent punch openings & trim lines

standard component management

Cost estimating from just part data

Simply import your part or product data from an assortment of CAD supported formats such as CATIA V4, CATIA V5, UniGraphics, and IGES. Once the part is read, you can immediately perform feasibility studies by using the tools provided.

SMIRT DieLayout

Directly read a SMIRT Die process into SMIRT DieCost. The entire die layout including the die tip axis for each die, "Length of Line", press information, trims, pierces, flanges, etc. Since the die layout process has already been proven, you can quickly forecast the estimated construction costs of a single or complete line of dies.

Cost estimating from a die design

Load a Die Design from SMIRT DieShop and automatically identify and map into SMIRT DieCost the die components and castings used in the design. Identify and quickly estimate 2d, 3d, & profile machining cost estimates based upon actual profile and machine surfaces (MFA).

Not just a database! Visualize what you're estimating.

The graphic representations available in SMIRT DieCost are designed to allow you to visualize not only the part but also the complete die, castings, and standard components. All of the

components that make up the die will be accessible in the graphics area by just clicking on the component, die, or casting name.

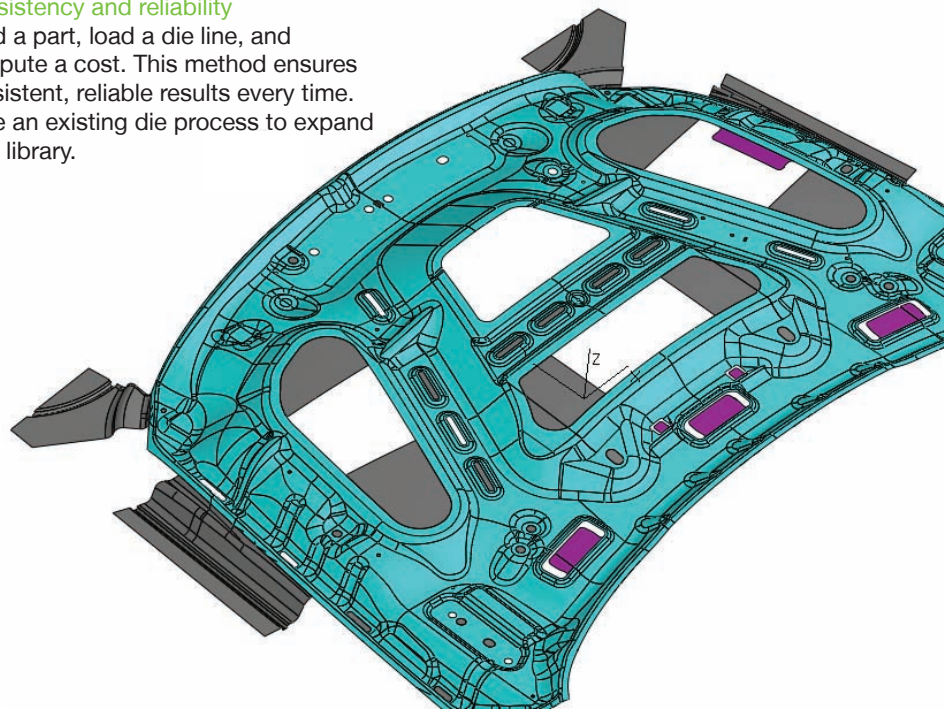
Die lines from an existing libraries

All of the dies can be stored and recalled later from a standard library. This accelerates the estimation process in three easy steps.

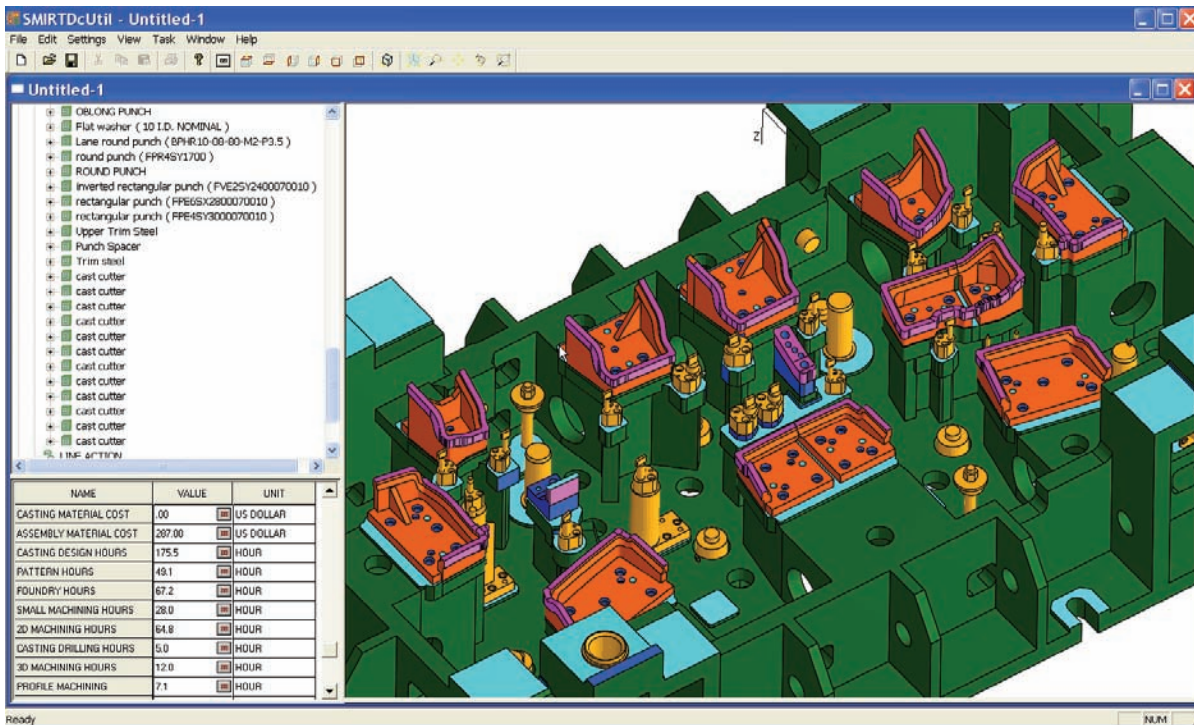
- 1) Load a standard part.
- 2) Make any unique changes needed.
- 3) Produce the cost for the die.

Consistency and reliability

Load a part, load a die line, and compute a cost. This method ensures consistent, reliable results every time. Save an existing die process to expand your library.



Quickly forecast the estimated construction costs of a single or complete line of dies.



Customize the look and feel.

The architecture is setup in a way to allow the SMIRT DieCost administrator to define the applications specific look and feel. The administrator can define what is displayed to the end user. Multiple applications can be defined for different purposes and types of dies, changing the scope and output. For example, a different interface can be presented to the end user for progressive die costing as opposed to line die costing.

Operations and processes

Completely managed and defined by the company assigned administrator. The formula section allows administrators to setup formulas that calculate hours and costs. Formulas can also read data from existing fields, do math operations, and populate other fields. With the flexibility to be created in several categories, predefined "functions" can be executed within a formula.

As simple or intricate as desired

Right out of the box, you can compute a cost based upon various common elements of a die. The application design is structured in a way to make it easy to add new fields, tables, formulas, lists, and forms as your company grows and your estimating needs expand to a more detailed environment.

Select or create curves to represent punch openings, trim lines, etc

"Lines of Action" are curves that are used in the cost analysis. Choices specifically designed for the processor and estimator have been developed to extract the curve data quickly. Whether it's a silhouette based on the die tip or a simple sketch to create a rough blank, these powerful tools allow the user to create lines of action and apply them to the cost analysis.

Standard components

User defined standard components can be listed and created with separate attributes to easily link to a given casting or die for reliable quoting. Attributes such as material cost, design, machining, assembly time, etc, are given a value that is stored with each standard component and automatically considered in the overall estimate.

The SMIRT way to get the job done

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