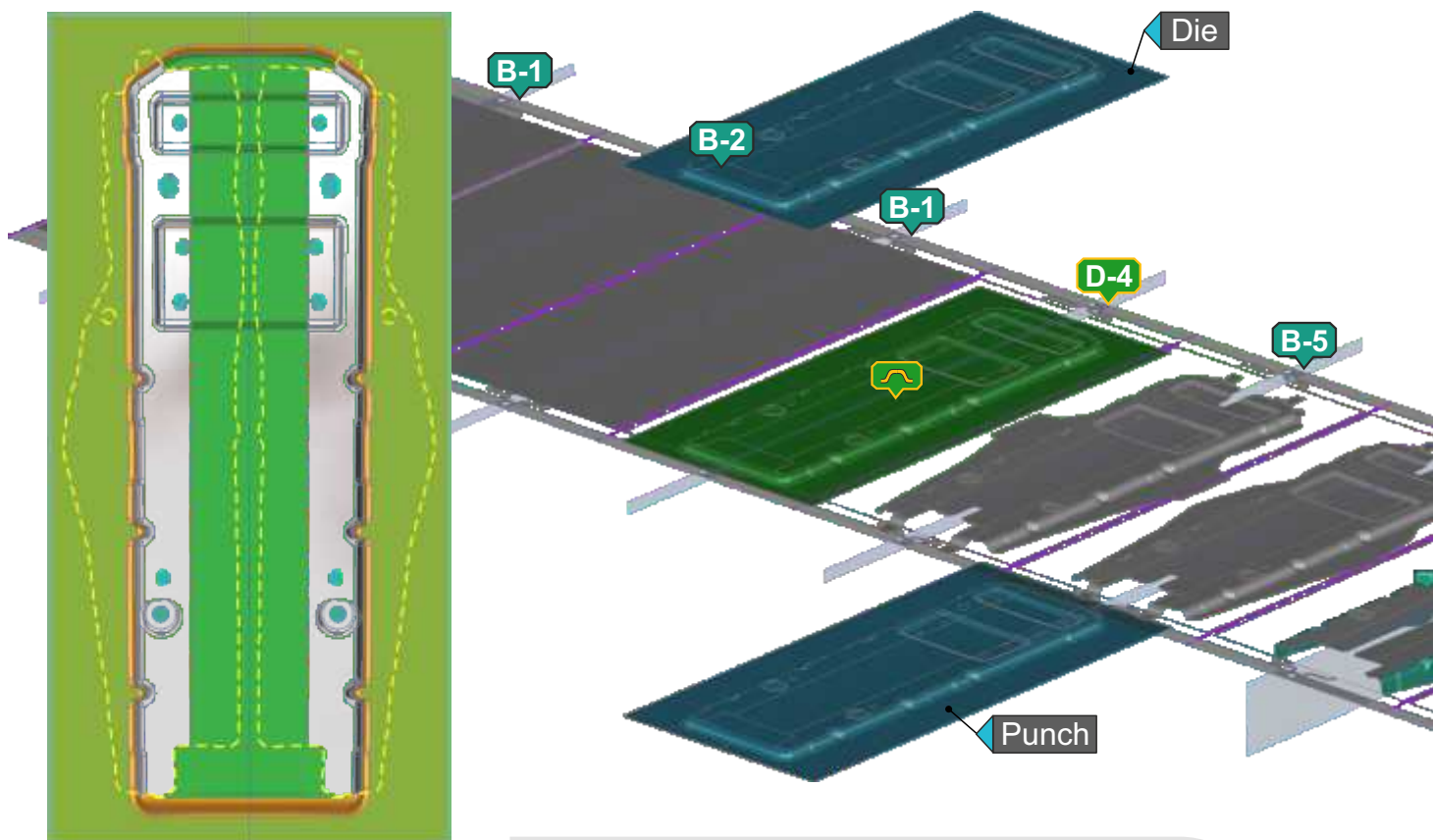


AutoForm- DieDesigner®

Software for Rapid Strip Layout
and Die Face Generation



- ▶ Easy and rapid creation of strip layout and die face designs
- ▶ Rapid evaluation of multiple, alternative process concepts
- ▶ Easy generation of parameterized geometric die face models
- ▶ Considerable reduction of development time during process engineering
- ▶ Immediate tryout simulations with automatic updating of tools (in combination with AutoForm-FormingSolver / AutoForm-Explorer)



AUTOFORM
Forming Reality

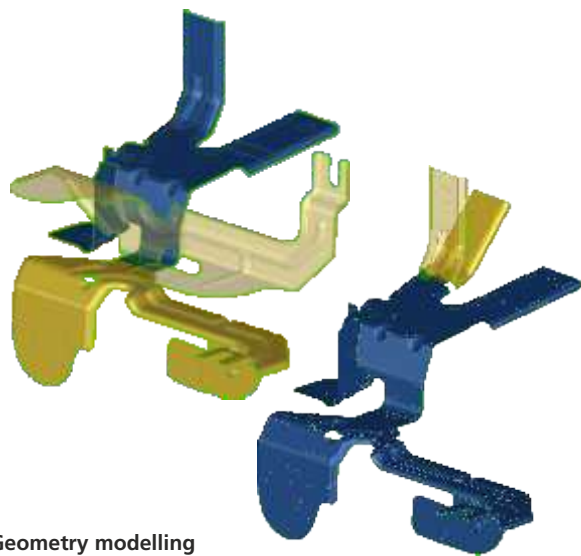
AutoForm-DieDesigner®

Multiple, Alternative, Rapidly Created Strip Layout and Die Face Designs

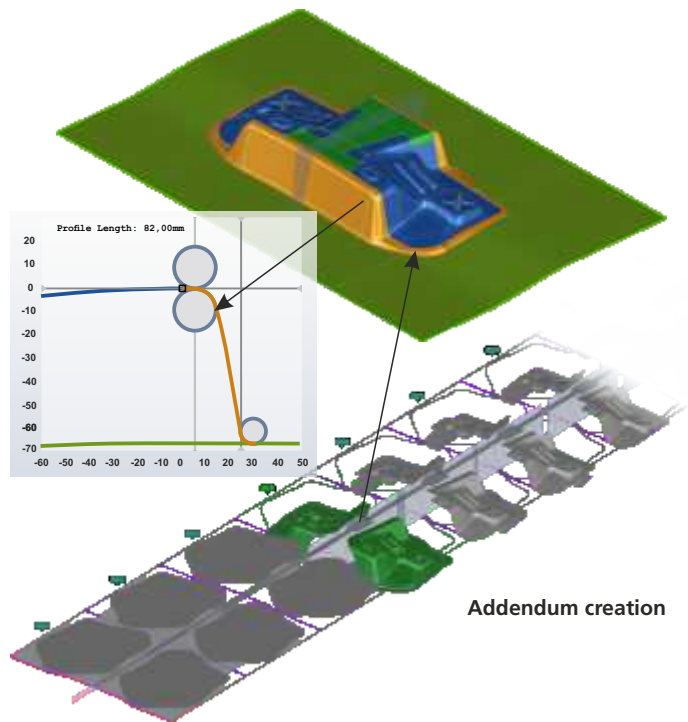
AutoForm-DieDesigner enables progressive die engineers to rapidly create alternative strip layout and die face designs for the complete progressive die stamping process. The selected strip layout and die face designs are used to automatically generate the tools required for tryout simulations with AutoForm-FormingSolver. The results are then evaluated with AutoForm-Explorer.

AutoForm-DieDesigner is used in the planning and process engineering phases to rapidly generate strip layouts and die faces. The clear and logical structure of this software enables users to work step-by-step, from the import of CAD part geometry to the complete strip layout and die face designs.

Precise geometry modelling in AutoForm-DieDesigner is achieved through morphing technology. By modifying wall angles, unfolding part areas and modifying part details, the user can easily evaluate the best tooling concept and optimize the process.



Geometry modelling achieved through morphing technology



Addendum creation

AutoForm-DieDesigner is based on a fully associatively linked model of the entire die layout, which allows the user to easily modify intermediate operations as well as the final part geometry. When such modifications are made, the tooling geometries of all operations and the input for tryout simulations are automatically and instantly updated.

Since tooling of the entire forming process is easily and consistently defined, AutoForm-DieDesigner significantly improves tool quality and reduces development time in the early phases of process engineering.

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