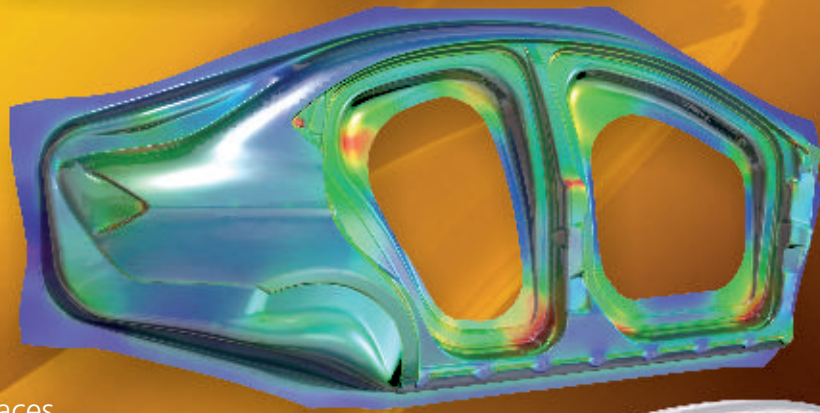


AutoForm DieDesigner®

*Software for
Rapid Die Face Generation
during Process Engineering*



Easy and rapid generation of die faces,
including part modifications

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-Solver / AutoForm-Explorer)



AutoForm-DieDesigner®

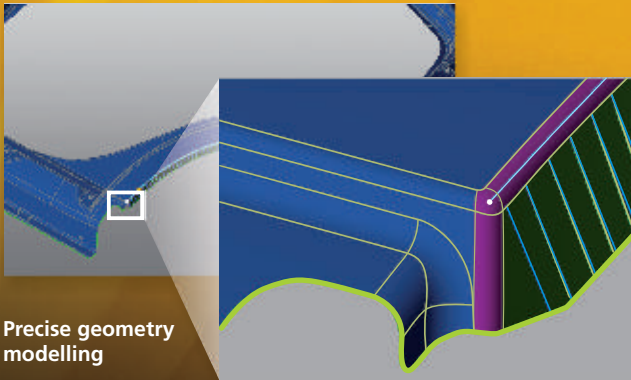
The software allows for easy evaluation of multiple, alternative, rapidly created tooling concepts as well as selection of the best one with regard to feasibility, quality and cost requirements.

AutoForm-DieDesigner enables feasibility engineers, process planners and tool makers to rapidly create alternative die face designs for the complete sheet metal forming process. The selected die face design is used to automatically generate the tools required for tryout simulations with AutoForm-Solver and is then followed by a results evaluation with AutoForm-Explorer.

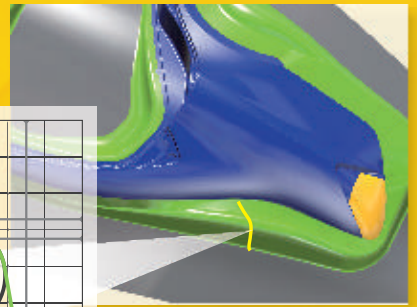
AutoForm-DieDesigner is mainly used in the process engineering phase to **rapidly generate die face designs for deep drawing tools**. Its clear and logical structure enables users to work step-by-step, from the import of CAD part geometry to the complete die face design.

With AutoForm-DieDesigner the user has in-depth understanding and can **validate the process layout as well as sheet behavior during multiple operations**. These operations include not only deep drawing, but also all subsequent forming and trimming steps.

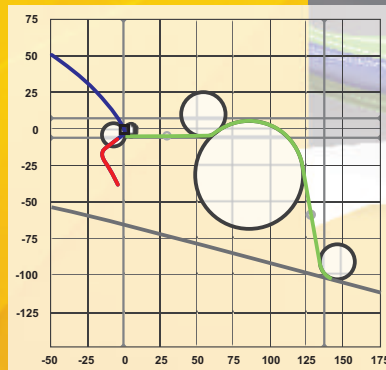
Precise geometry modelling in AutoForm-DieDesigner is achieved through morphing technology. By modifying wall angles, unfolding part areas and performing in-plane modification of part details while keeping the regions outside of the morphing untouched, the user can **easily evaluate the best tooling concept and optimize the process**.



Precise geometry modelling



Addendum profile templates: The addendum is created on the basis of specially adapted profiles. Flange areas can be developed on the addendum surface.



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 simulation are automatically and instantly updated. As soon as an optimal die face design is determined, surfaces can be exported and processed further in any CAD system.

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 phase of process engineering**.

AutoForm Engineering – Company Offices

Switzerland	Wilen b. Wollerau	+41 43 444 61 61
Germany	Dortmund	+49 231 9742 320
The Netherlands	Krimpen a/d IJssel	+31 180 668 255
France	Aix-en-Provence	+33 4 42 90 42 60
Spain	Barcelona	+34 93 320 84 22
Italy	Turin	+39 011 620 41 11
Czech Republic	Praha	+420 603 248 580
Sweden	Stockholm	+31 180 668 255
United States	Troy, MI	+1 888 428 8636
Mexico	Corregidora, Qro.	+52 442 225 1104
Brazil	São Bernardo do Campo	+55 11 4121 1644
India	Hyderabad	+91 40 4068 9999
China	Shanghai	+86 21 6352 8848
Japan	Tokyo	+81 3 6459 0881
Korea	Seoul	+82 2 2113 0770

www.autoform.com

© 2019 AutoForm Engineering GmbH, Switzerland.
"AutoForm" and other trademarks listed under www.autoform.com or trade names contained in this documentation or the Software are trademarks or registered trademarks of AutoForm Engineering GmbH. Third party trademarks, trade names, product names and logos may be the trademarks or registered trademarks of their respective owners. AutoForm Engineering GmbH owns and practices various patents and patent applications that are listed on its website www.autoform.com. Software and specifications may be subject to change without notice.
Publication DD-3-E



AUTOFORM
Forming Reality