

## Press Release

### **AutoForm<sup>plus</sup> R5 – A Wide Range of New Features for Digital Planning and Validation of Sheet Metal Processes and Parts**

**Wilén b. Wollerau, Switzerland, September 24, 2013: AutoForm Engineering GmbH, the leading supplier of software solutions for the sheet metal forming industry, has introduced the latest software version AutoForm<sup>plus</sup> R5. This latest release streamlines sheet metal forming, providing a wide range of new powerful features and improvements for digital planning and validation of sheet metal processes and parts.**

AutoForm<sup>plus</sup> R5 further streamlines sheet metal forming by advancing AutoForm's complete software suite. Besides new planning options and tooling features, this release offers several new possibilities to improve the efficiency and reliability of result evaluation. For example, new section plots allow for results to be charted along selected geometry sections and a newly developed issue type for semi-automatic result evaluation allows the user to track the draw-in location and its progression. What is more, the digital stoning analysis has been enhanced to make evaluation and visualization of surface imperfections easier and more accurate.

This software also extends systematic process improvement. With AutoForm<sup>plus</sup> R5, users can easily evaluate which design parameters influence the part quality and to what extent, in both conventional and hot forming processes. Design parameters which have the most influence on the stamped part can be identified already during the process and part design stages. Users are thereby able to make the necessary adjustments and systematically improve the forming process by specifying sophisticated quality criteria such as surface defects and draw-in issues.

In addition, AutoForm<sup>plus</sup> R5 contains solver improvements which are of significant benefit in terms of increased result accuracy and shorter computation time. An improved contact algorithm leads to even more realistic bending behavior in wall and flanging areas. It also results in a more precise calculation of tool forces and a very realistic representation of wrinkles in the binder area. The new adaptive line bead model takes the current in-die conditions into account. It combines the accuracy of 3D geometric beads with the computing speed of 2D line beads.

Dr. Markus Thomma, Corporate Marketing Director of AutoForm Engineering, stated: "AutoForm<sup>plus</sup> R5 enhances all of the important aspects of comprehensive digital process planning, giving users the support they need to make the right decisions along the sheet metal forming process chain."

#### **About AutoForm Engineering GmbH**

*AutoForm offers software solutions for the die-making and sheet metal forming industries along the entire process chain. With 250 employees dedicated to this field, AutoForm is recognized as the leading provider of software for product manufacturability, tool and material cost calculation, die face design and virtual process optimization. All of the Top 20 automotive OEMs and most of their suppliers have selected AutoForm as their software of choice. Besides its headquarters in Switzerland, AutoForm has offices in Germany, The Netherlands, France, Spain, Italy, USA, Mexico, Brazil, India, China, Japan and Korea. AutoForm is also present through its agents in more than 15 other countries. For detailed information please visit: [www.autoform.com](http://www.autoform.com)*

#### *Contact:*

*Dr. Markus Thomma  
Corporate Marketing Director  
AutoForm Engineering GmbH  
Wilén b. Wollerau, Switzerland*

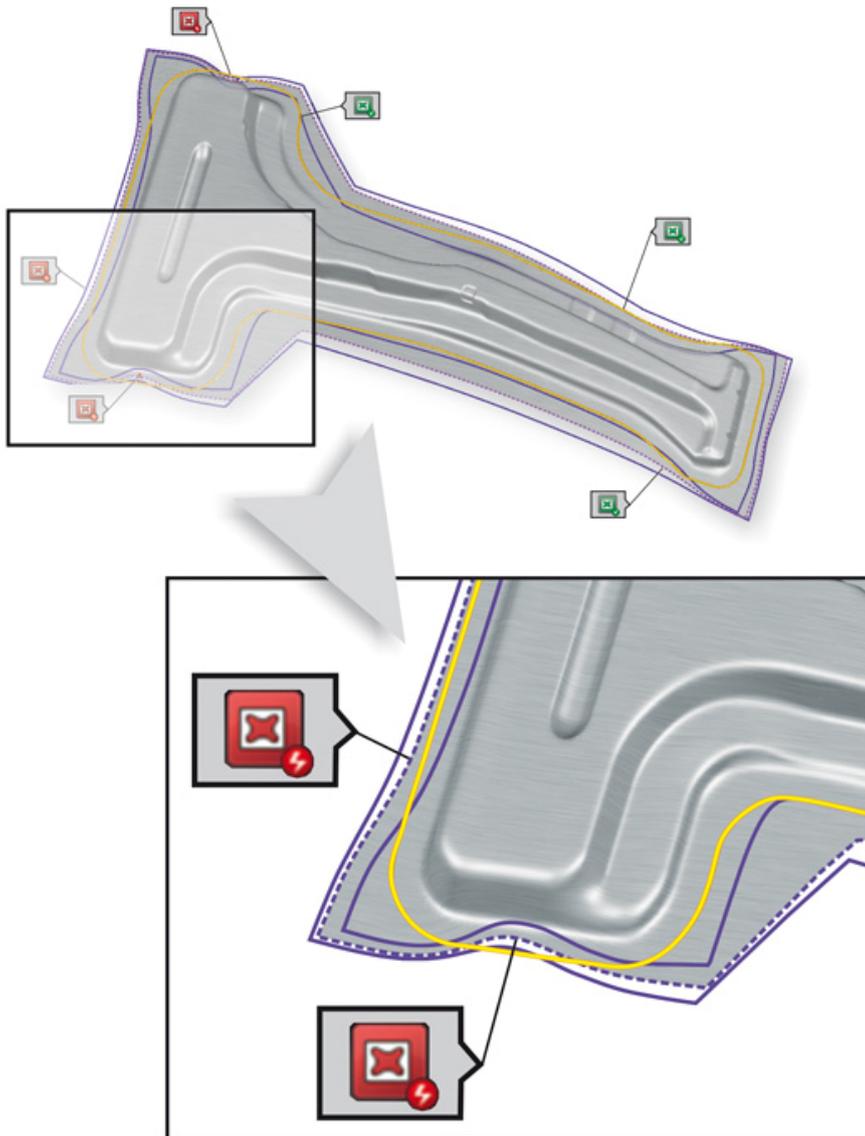
*Phone: +41 43 444 61 61*

*Email: [markus.thomma@autoform.ch](mailto:markus.thomma@autoform.ch)  
[www.autoform.com](http://www.autoform.com)*



Digital stoning method enables easy visualization of surface imperfections.

If you need a high resolution image, please contact us.



Draw-in is an added issue type which is suitable for semi-automatic results evaluation; the user can define draw-in target boundary as well as track the draw-in location and its progression by different available colors and icons.

If you need a high resolution image, please contact us.