

Press Release

AutoForm^{plus} R6 – A New Set of Powerful Functionalities to Expand the Digital Process Chain

Wilén b. Wollerau, Switzerland, June 10, 2015: AutoForm Engineering GmbH, the leading supplier of software solutions for the sheet metal forming industry, has unveiled the latest software version, AutoForm^{plus} R6. This release offers a new set of powerful functionalities to support users along the entire digital sheet metal process chain.

AutoForm^{plus} R6 allows users to expand the digital process chain through a new set of powerful functionalities. Several new options included in this release, such as for drawbead modeling, blank definition, enhanced springback compensation, systematic process improvement as well as the fully integrated hemming solution, further demonstrate and emphasize AutoForm's continuous efforts to streamline and accelerate the entire engineering process of sheet metal forming.

One of the major innovations in AutoForm^{plus} R6 is the so called *drawbead reduction strategy* used in combination with the adaptive line bead. The main idea behind this innovation is to support users with an easy-to-use and realistic model when determining and optimizing the drawbeads. The reduction strategy defines the order, the measures and the ranges in which a drawbead shape is modified, such as bead height, bead radius or groove radius. In this model, all of the defined measures are combined and made available to the user through one single parameter. Instead of dealing with all kinds of measures and geometries, the user can focus on this single parameter only, which allows for efficient process engineering even when complex parts are analyzed. With this model, drawbead handling in engineering is aligned with the real tryout and very easy to use. This model is now also available for multiple simulations by AutoForm-Sigma^{plus}.

Another important novelty in this version are the additional options for the blank definition. AutoForm^{plus} R6 offers complex blank types and combinations of patchwork, tailor-welded and tailor-rolled blanks, which results in optimized material usage and cost performance. Chevron blank shapes for embedding provide additional options for material cost optimization. In addition, AutoForm^{plus} R6 provides the best nesting layout while taking into account the variation in costs of different coil widths. The user can calculate the optimal layout of the blank on the coil based on the minimization of material costs as well as the minimization of material usage.

In addition, users of hemming processes will benefit greatly from a fully integrated hemming solution provided by AutoForm^{plus} R6. This integration offers all the advantages of an efficient workflow and a newly enhanced graphical user interface. AutoForm^{plus} R6 supports state-of-the-art hemming technologies, such as roll and table hemming as well as combinations of these. With this version, the user can validate the design of the clamping fixture, check if the spring supported roller follows the predefined trajectory, evaluate potential hemming defects as well as predict full assembly springback. This information forms the basis for compensation of inner and outer parts as well as any adjustments of the hemming equipment. With AutoForm^{plus} R6, depending on the selected hemming process, a hood can be simulated in just two to six hours. This remarkable speed is another tangible benefit for AutoForm^{plus} R6 users.

Dr. Markus Thomma, Corporate Marketing Director of AutoForm Engineering, stated: "In line with the motto of this latest release, 'expanding the digital process chain', our users are invited to join us at more than twenty roll-out events all over the world during which they will expand their knowledge and learn how to benefit most from AutoForm^{plus} R6. This new software release enables our users to take further advantage of AutoForm's continuous efforts to streamline and accelerate the entire engineering process of sheet metal forming."

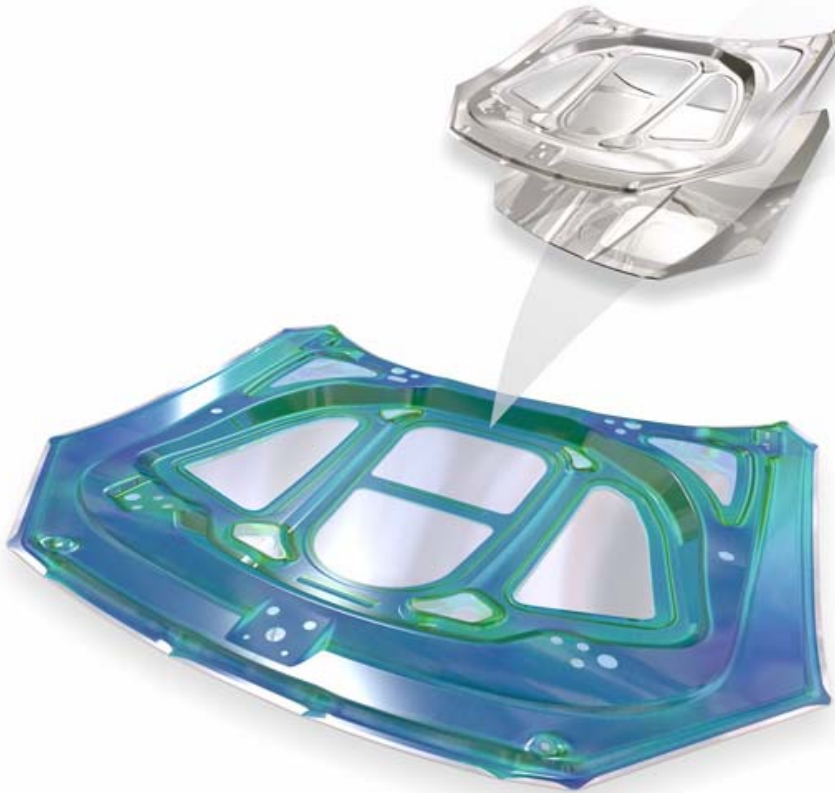
About AutoForm Engineering GmbH

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

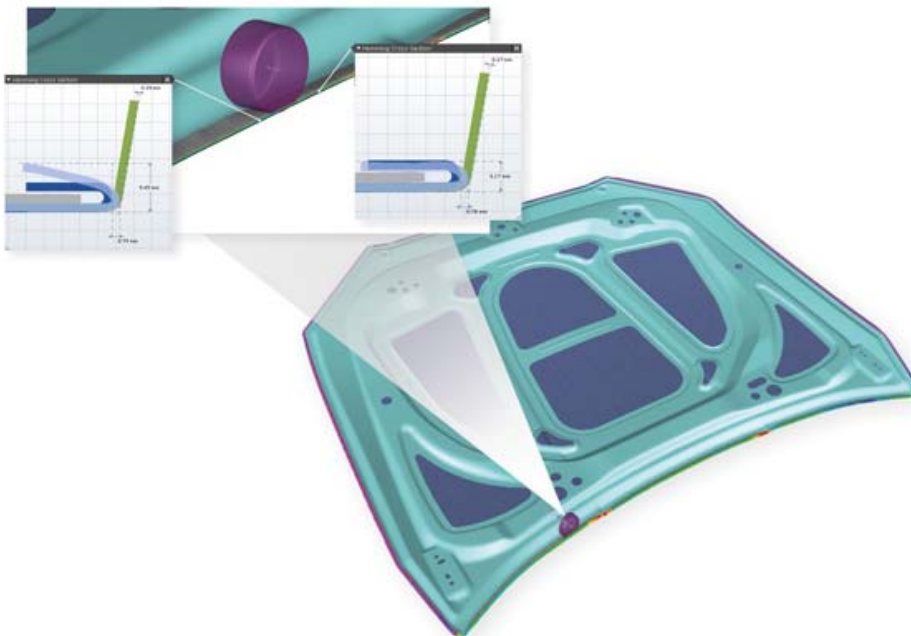
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AutoForm^{plus} R6 expands the digital process chain with a new set of powerful functionalities.



Evaluation of hemming defects and roll-in

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