

Press Release

AutoForm Forming R13 – Enhanced Simulation Reliability in Sheet Metal Forming

Pfäffikon SZ, Switzerland, October 16, 2025: AutoForm Engineering GmbH, the leading supplier of software solutions for stamping and BiW assembly processes, unveils its latest software version AutoForm Forming R13. This version introduces new features and enhancements for the sheet metal forming process chain, most of them developed for the feasibility and validation phases. In addition, AutoForm Forming R13 features reduced file sizes, enabling significantly smaller simulation files without compromising results or influencing engineering decisions.

AutoForm Forming R13 offers advancements and new options for the stamping process feasibility phase. This release introduces new result variables that enable accurate wrinkle detection, giving users deeper insight into the appearance and development of wrinkles during all forming operations and springback. Users can also easily track wrinkle evolution as well as visualize and evaluate wrinkle behavior throughout the entire forming process. New result variables allow for a more streamlined and reliable assessment of wrinkling behavior.

This latest software release introduces an enhanced strain-based friction model for better friction prediction. The model accounts for changes in surface roughness occurring during the forming process. Surface roughening is now integrated into the contact and friction models used in TriboForm, which is particularly important for aluminum parts where surface changes significantly influence formability.

AutoForm Forming R13 also brings major improvements in data continuity and usability during the process design phase. The software allows users to automatically transfer concept tool geometries from AutoForm-DieDesigner to AutoForm-DieDesignerPlus, where they can be refined into high-quality CAD surfaces for manufacturing. The seamless data flow combined with process plan information from the earlier concept development phase, enables users to achieve a new level of efficiency in the process design phase.

Dr. Markus Thomma, CMO of the AutoForm Group, stated: "With AutoForm Forming R13, we provide our users with new enhancements and features which are important for the sheet metal forming process chain. These new options were developed to enhance simulation reliability and enable more precise engineering decisions."

About AutoForm Engineering GmbH

AutoForm offers software solutions for sheet metal forming and BiW assembly process. With over 500 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 stamping as well as BiW assembly 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, Czech Republic, Sweden, USA, Mexico, Brazil, India, China, Japan and Korea. AutoForm is also present through its agents in more than 10 other countries. For detailed information please visit: www.autoform.com

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AutoForm Forming R13 offers a range of new features and enhancements for the sheet metal forming process chain.

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