



Ansys Will Transform Metal Stamping Through Launch of Ansys Forming

October 14, 2021

Ansyes Forming -- a one-stop shop for metal stamping needs -- set to release January 2022

PITTSBURGH, Oct. 14, 2021 /PRNewswire/ --

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/ Key Highlights

- Ansys Forming meets multiple metal stamping needs within one platform
- The advanced software empowers early stage and detailed design configurations
- The product provides the fastest solve time for method and die shop engineers
- Ansys Forming uses Ansys LS-DYNA as its trusted solver, ensuring predictive accuracy

[Ansys](#) (NASDAQ: ANSS) will release its first metal stamping simulation software in January, an all-inclusive product equipped to meet industry needs within one platform. With [Ansys LS-DYNA](#) as its solver, [Ansys Forming](#) provides predictive accuracy and a streamlined workflow to digitally design, simulate, and validate sheet metal forming throughout the metal manufacturing process.

Ansyes Forming enables early stage and detailed design configurations by allowing users to preset varying simulation needs, including feasibility, formability and springback prediction. Through this end-to-end workflow, engineers can perform the entire die process on a single platform, eliminate the need for physical testing, and enhance productivity and cost savings. Ansys Forming reaches optimum performance by maintaining predictive accuracy and speed.

"Ansys Forming is intuitive, efficient and allows our team to set up complicated forming processes in a short period of time," said Xue Fei Green, technical director, Dongguan Vision Tool & Mould Co., Ltd. "Ansys Forming combines pre- and post-processing in one package and removes a lot of the manual work required by its predecessors. I've used many and am confident that Ansys Forming is the best pre- and post-processor for metal forming applications."

Sheet metal forming simulation helps manufacturers detect errors, identify the most appropriate materials, and determine the most efficient and cost-effective machining process to use. As a result, engineers spend less time designing and redesigning later. Additionally, Ansys Forming delivers a tremendous detail about the design, including identifying structural weaknesses where the metal might wrinkle, tear, or buckle.

"Ansys Forming will enhance our customers' simulation processes and lower the barrier to entry for engineers, because the interface is so easy to use," said Ramesh Venkatesan, CEO at Kaizenat. "The increased accessibility and improved workflow will take our users cost savings to the next level." Kaizenat is a certified Ansys channel partner.

Ansyes Forming product developers are already working toward future releases with additional functionalities, including a springback compensation feature.

"Ansys Forming will meet the metal stamping needs of the industry, from the biggest manufacturers and suppliers to the smallest die shops," said Shane Emswiler, senior vice president of products at Ansys. "With all-in-one stamping software, manufacturing and process engineers will streamline their workflows, increase productivity, and achieve consistent solutions every time."

To learn more about Ansys Forming and additional software advances that will improve product designs and workflows, register for [Ansys Level Up 2.0](#), a free virtual conference open to beginner, intermediate, and veteran engineers alike.

/ About Ansys

If you've ever seen a rocket launch, flown on an airplane, driven a car, used a computer, touched a mobile device, crossed a bridge, or put on wearable technology, chances are you've used a product where Ansys software played a critical role in its creation. Ansys is the global leader in engineering simulation. Through our strategy of Pervasive Engineering Simulation, we help the world's most innovative companies deliver radically better products to their customers. By offering the best and broadest portfolio of engineering simulation software, we help them solve the most complex design challenges and create products limited only by imagination. Founded in 1970, Ansys is headquartered south of Pittsburgh, Pennsylvania, U.S.A. Visit www.ansys.com for more information.

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