# Design Note: 3D Design Software for All Engineers

Allied Electronics

*Free, fast, and intuitive design solution opens up new possibilities for engineers from concept design through to manufacturing*

Allied Electronics and RS Components have developed a 3D design software solution called DesignSpark Mechanical, a 3D solid modeling and assembly tool that is available to all, totally free of charge.

Developed in conjunction with SpaceClaim, the leading provider of flexible and affordable 3D modeling software for engineers, the easy-to-use DesignSpark Mechanical will bring major benefits to design engineers around the world and is available in multiple languages. It is a significant step in the evolution of the DesignSpark online resource hub for the engineering community.

The availability of DesignSpark Mechanical overcomes the two major barriers to entry faced by potential users who do not currently have access to a 3D design solution, but who could benefit enormously from the use of 3D modeling to quickly develop sophisticated concepts and products. These impediments are the prohibitive costs and the considerable investment in learning time associated with traditional 3D CAD tools. Not only is DesignSpark Mechanical free, its simplicity of use means that engineers and others involved in product development can become fully conversant with the software within minutes, rather than the weeks or months required to become skilled with traditional 3D CAD tools.

“The launch of DesignSpark Mechanical is the first time a 3D design tool with this level of sophistication has been made freely available. Engineers will love using modeling software that is so intuitive and flexible,” said Dan Stewart, vice president of marketing at Allied Electronics. “The use of DesignSpark Mechanical early in the design cycle can eliminate much of the time-consuming rework associated with traditional product development processes. This is a highly significant initiative that helps engineers to bring innovative products to market quickly, and DesignSpark Mechanical’s STL output format enables direct export of designs to 3D printers.”

With access to more than 38,000 3D models in the extensive DesignSpark online component library, DesignSpark Mechanical gives all engineers the ability to rapidly undertake an end-to-end design with professional-grade modeling tools that are at zero cost. RS and Allied have also collaborated with world-leading 3D content company TraceParts to provide access to millions of models from the online tracepartsonline.net CAD portal in DesignSpark Mechanical format.

DesignSpark Mechanical is available for free download via www.designspark.com/mechanical [1] with support available through the

DesignSpark community at www.designspark.com [2].

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**Links:**
[1] http://www.designspark.com/mechanical
[2] http://www.designspark.com