ACCELERATE YOUR CONCEPT DESIGN FOR MORE INNOVATION, BETTER COLLABORATION, AND FASTER TIME-TO-MARKET

Innovative conceptual design is the core of any successful product. SOLIDWORKS® Mechanical Conceptual, powered by Dassault Systèmes 3DEXPERIENCE® Platform, removes the constraints of structured design programs and gives you a flexible, intuitive, powerful modeling environment that turns every challenge of conceptual design into your business advantage. Quickly capture, develop, and communicate your design ideas directly in the digital model with SOLIDWORKS ease of use and productivity to accelerate development, lower costs, speed time-to-market, and build your market share.
Quickly Capture Your Concept Digitally

Evolving a concept is where SOLIDWORKS Mechanical Conceptual really begins to speed up the design process. You can easily capture ideas and design iterations with amazing flexibility directly in a digital model without pre-planning product structure. With SOLIDWORKS Mechanical Conceptual, you’re using familiar tools and concepts, so you can focus on ideas, not on the software.

• **Single modeling environment** merges the benefits of design history, parametrics, and direct editing so you can develop concepts the way you want—top down, bottom up, layout sketch, or master model—to quickly develop ideas and win more business.

• **Direct editing** easily transforms both native and imported geometry without limits, reducing remodeling time and focusing you on innovation.

• **Predictive lifelike behavior helps** confirm mechanical operation and shows how your model reacts in the real world so you can identify problems and resolve them while you design.

• **Evolve your design** from layout sketches and 3D geometry to separate parts and assemblies without being constrained by product structures while respecting defined design intent.

SOLIDWORKS Mechanical Conceptual combines the benefits of feature-based and history-free modeling in a unique way for a highly flexible, interactive workflow. You can eliminate wasteful design time because you never have to start over or drastically rework designs to make an underlying change.

Mechanism Design and Motion Analysis While You Develop Your Concept

SOLIDWORKS Mechanical Conceptual helps confirm mechanical operation while you design and can alert you if design goals are violated. You can quickly generate ideas, try variations, and optimize mechanical operation.

• Automatic background simulation and real-time analysis during design confirm model operations.

• Rapidly evolve 2D concepts into detailed 3D concept designs with automatic mapping of sketch relations into assembly mates and motion drivers.

• Define design goals and receive automatic alerts if designs fall outside of specified parameters.

Connected on the Cloud and Built for Collaboration

SOLIDWORKS Mechanical Conceptual brings natural collaboration to your conceptual design process. Product knowledge, use cases, and design ideas reside with a wide array of geographically dispersed stakeholders—from your design team to suppliers and customers. Gathering these inputs can be challenging, but without collaboration, you could settle for an incomplete solution. All stakeholders need to be able to communicate seamlessly—wherever they are and whenever they want.

Social innovation capabilities built into the foundation of SOLIDWORKS Mechanical Conceptual are powered by Dassault Systèmes 3DEXPERIENCE Platform.

• Access the collective intelligence of the whole team to drive towards the best design solution.

• Collaborate internally and externally with suppliers and customers in an open innovation process.

• Engage stakeholders at any point in the design process by posting concepts to their private communities.

• Collect stakeholder concept reviews and feedback using simple and familiar web tools.

SOLIDWORKS Mechanical Conceptual automatically captures and retains each of your concepts as you design and stores them on the cloud, with your data continuously saved as you work. Data is always safe and up-to-date in a single, secure location where your team can access the current design anytime from anywhere.

Protect valuable ideas and quickly find and leverage previous concepts with full design intent and intelligence. You define levels of access so users can share, mark up, and discuss designs. And you can better engage with your customers, get their ideas and approvals, and gain competitive advantage.
EXPERIENCE THE DIFFERENCE THAT SOLIDWORKS MECHANICAL CONCEPTUAL CAN MAKE FOR YOUR BUSINESS

SOLIDWORKS Mechanical Conceptual simplifies and streamlines mechanical conceptual design. Easily develop, confirm, and choose the best and most robust concepts to engage your customers and win orders.

Experience SOLIDWORKS Mechanical Conceptual and advance your next generation of design.

LEARN MORE

To learn more about SOLIDWORKS Mechanical Conceptual, visit www.hawkridgesys.com/solidworks-mechanical-conceptual

Hawk Ridge Systems is a global leader in engineering design and manufacturing solutions. Innovative 3D design tools include SOLIDWORKS 3D design, CAMWorks manufacturing software, and 3D Printing solutions.