SOLIDWORKS CONCEPTUAL DESIGNER
SIMPLIFY CONCEPTUAL DESIGN AND
EXPAND INNOVATION FOR BUSINESS ADVANTAGE

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® Conceptual Designer, powered by Dassault Systèmes 3DEXPERIENCE® platform, removes the constraints of structured design programs and gives you a flexible, intuitive, powerful modeling environment that enables your design team to quickly develop, capture, and communicate your design ideas to help accelerate development, lower costs, speed time-to-market, and build your market share.
SIMPLIFY AND AMPLIFY YOUR CONCEPTUAL DESIGN PROCESS

SOLIDWORKS Conceptual Designer simplifies the process of conceptual design and helps you make it a business advantage. Typically, mechanical conceptual design consumes almost one-third of the total project time, with an average of six design iterations. With 98 percent of companies collaborating on conceptual design, the potential impact on time-to-market and cost is clear, and having transparent data management and communication are critical. What do you need to make conceptual design work efficiently?

- An instinctive, easy-to-use design tool
- A way to harness the collective intelligence of your whole design team, customers, and supply chain to capture ideas, leverage existing designs, collaborate, and quickly get feedback
- Safe, secure, intelligent data that can be accessed anytime from anywhere

SOLIDWORKS Conceptual Designer delivers a flexible, innovative conceptual design environment. It’s complementary to SOLIDWORKS 3D CAD software, so you can focus on quickly solving design challenges; develop, verify, and present your concept; and then easily transition to building part and assembly structures. Continuous file saving keeps design files current, safe, and secure. And with your data accessed via the cloud, development teams can communicate from anywhere, anytime to easily innovate and collaborate.

Quickly Capture Your Concept Digitally

Evolving multiple concepts simultaneously is where SOLIDWORKS Conceptual Designer 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 Conceptual Designer, 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 work 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 design would react in the real world so you can identify problems and resolve them while you design
- **Find optimal solutions** for your mechanism ideas using Mechanism Synthesis, allowing you to solve unknown dimensional values
- **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 Conceptual Designer combines the benefits of feature-based and history-free modeling in a unique way for a highly flexible, interactive workflow. You can eliminate wasted design time because you never have to start over or drastically rework designs to make an underlying change.

Create lifelike springs that stretch and contract

Easy design modification with innovative tools
Mechanism Design and Motion Analysis While You Develop Your Concept

SOLIDWORKS Conceptual Designer helps validate mechanical operation as you design while alerting you if your design goals are violated. Use Mechanism Synthesis early on to 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 Conceptual Designer brings natural collaboration to your conceptual design process. Communicating your design ideas to a dispersed team can be challenging. Capturing feedback from these critical stakeholders can be equally difficult. Too often project decisions are made with incomplete information. By integrating collaboration tools into the design process, you can accelerate your project schedule and have greater confidence that the choices made are the right ones.

Social innovation capabilities built into the foundation of SOLIDWORKS Conceptual Designer 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 Conceptual Designer 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 CONCEPTUAL DESIGNER CAN MAKE FOR YOUR BUSINESS

SOLIDWORKS Conceptual Designer 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 Conceptual Designer and advance your next generation of design.

For more details about SOLIDWORKS Conceptual Designer, visit www.solidworks.com/conceptualdesign.