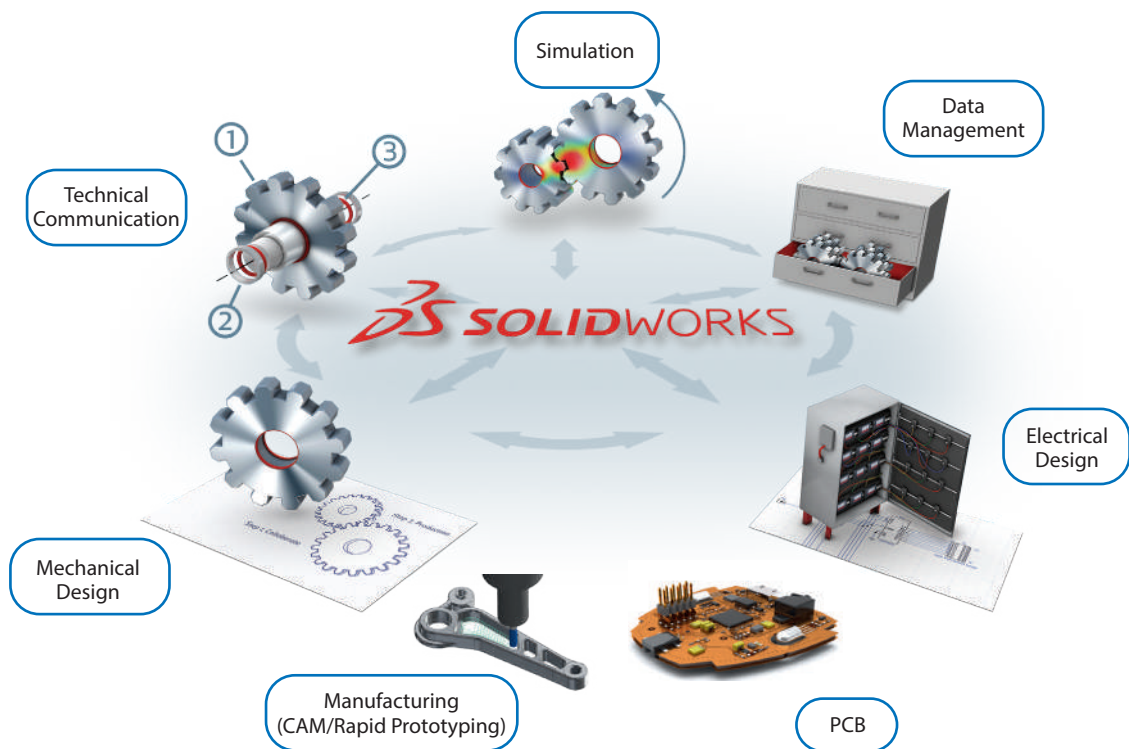


SOLIDWORKS 3D Design Solutions

	 SOLIDWORKS STANDARD	 SOLIDWORKS PROFESSIONAL	 SOLIDWORKS PREMIUM
SOLIDWORKS CAD Software	✓	✓	✓
SOLIDWORKS Advanced Surfacing	✓	✓	✓
SOLIDWORKS Weldments	✓	✓	✓
SOLIDWORKS Sheet Metal	✓	✓	✓
SOLIDWORKS Mold Design	✓	✓	✓
SOLIDWORKS File Utilities	✓	✓	✓
SOLIDWORKS Rx	✓	✓	✓
SOLIDWORKS Motion Manager	✓	✓	✓
SOLIDWORKS Treehouse	✓	✓	✓
SOLIDWORKS Mate Controller	✓	✓	✓
SOLIDWORKS Utilities	✓	✓	✓
SOLIDWORKS FeatureWorks	✓	✓	✓
SOLIDWORKS 3D InterConnect	✓	✓	✓
SOLIDWORKS CAM Standard	✓	✓	✓
SOLIDWORKS Xtended Reality (XR) Exporter	✓	✓	✓
SOLIDWORKS SimulationXpress	✓	✓	✓
SOLIDWORKS CircuitWorks		✓	✓
SOLIDWORKS PhotoView 360		✓	✓
SOLIDWORKS Design Checker		✓	✓
SOLIDWORKS Task Scheduler		✓	✓
SOLIDWORKS Toolbox		✓	✓
SOLIDWORKS eDrawings Professional		✓	✓
SOLIDWORKS Costing		✓	✓
SOLIDWORKS ScanTo3D		✓	✓
SOLIDWORKS TolAnalyst		✓	✓
SOLIDWORKS PDM Standard		✓	✓
SOLIDWORKS Visualize Standard		✓	✓
SOLIDWORKS Advanced Surface Flattening			✓
SOLIDWORKS Simulation (Linear Stress Analysis)			✓
SOLIDWORKS Motion			✓
SOLIDWORKS Routing			✓
SOLIDWORKS Assembly Level Cost Roll Up			✓
SOLIDWORKS Sustainability			✓



SOLIDWORKS Advanced Weldments

STAND PRO PRE

Quickly design welded structures composed of structural members, plates and gussets; includes a library of predefined structural shapes.

SOLIDWORKS Sheet Metal

STAND PRO PRE

Design from scratch or convert your 3D part to sheet metal; includes automatic flattening of sheet metal parts with bend length compensation.

SOLIDWORKS Mold Design

STAND PRO PRE

Design molded parts and the tooling to create them, including core and cavity, draft, automated parting surfaces and mold base components.

SOLIDWORKS File Utilities

STAND PRO PRE

For file management; help perform tasks such as renaming, replacing, and copying of SOLIDWORKS files while maintaining references.

SOLIDWORKS Rx

STAND PRO PRE

Automatically captures and collects data required by support personnel for problem diagnosis (OS, driver versions, memory, required files, etc.)

SOLIDWORKS Motion Manager

• Motion Analysis

STAND PRO PRE

Analyses the effect of forces, springs, dampers, and friction on assemblies, including inertial effects.

• Animation

Animate the motion of assemblies can be exported as an AVI file.

• Basic Motion

Dynamically move assemblies while adding the effect of motors, springs, contacts and gravity.

SOLIDWORKS SimulationXpress

STAND PRO PRE

SOLIDWORKS SimulationXpress is a first-pass analysis tool that lets you perform basic stress analysis on individual parts. You can quickly determine effects of force and pressure and generate reports to document results.

SOLIDWORKS Treehouse

STAND PRO PRE

Treehouse enables you to name your components, drag in existing designs, create configurations, and add custom properties all before doing any new design work in SOLIDWORKS.

SOLIDWORKS Mate Controller

STAND PRO PRE

Mate Controller lets you manipulate specific mates that control degrees of freedom for a design. You can save and recall saved positions and mate values. You can create animations based on the saved positions.

SOLIDWORKS Utilities

STAND PRO PRE

Set of tools that let you examine in detail the geometry of a solid model and make comparison to other models. E.g. Compare documents and identify the differences, compare features and geometry or geometry analysis.

SOLIDWORKS FeatureWorks

STAND PRO PRE

Import static 3D data (.igs, step, Pro/E, etc.) recognizing features automatically or interactively, allowing easy editing of translated 3D data in SOLIDWORKS.

SOLIDWORKS 3D InterConnect

STAND PRO PRE

SOLIDWORKS provides more than 30 translators to convert incoming CAD data into SOLIDWORKS 3D CAD format or to export SOLIDWORKS data to other CAD products. 3D Interconnect opens most major CAD formats directly in SOLIDWORKS with no need to convert or save the data as a SOLIDWORKS file.

SOLIDWORKS CAM Standard

STAND PRO PRE

SOLIDWORKS CAM Standard allows users to quickly program individual parts and configurations without leaving the SOLIDWORKS 3D CAD environment. Users have full access to defining rules within SOLIDWORKS CAM to create and build company standards as well as Tolerance Based Machining.

SOLIDWORKS Xtended Reality Exporter STAND PRO PRE

Dramatically simplify the path from SOLIDWORKS CAD to Augmented and Virtual Reality with a new export option (Xtended Reality), powering an ecosystem of rich AR, VR and Web viewing experiences created by our approved Partners. This new export option from SOLIDWORKS retains valuable information like geometry, appearances, motion studies, configurations, display states, meta data and more.

SOLIDWORKS CircuitWorks PRO PRE

Create 3D models from file formats created by most ECAD systems (.idf and PADS ASCII from Mentor Graphics), populating printed circuit boards with electrical components for use in fit and function studies or for creating SOLIDWORKS enclosure assemblies.

SOLIDWORKS PhotoView 360 PRO PRE

Realistic photo rendering of SOLIDWORKS models with an easy-to-use drag and drop interface anyone can use.

SOLIDWORKS Design Checker PRO PRE

Verify dimensioning (including GD&T), fonts, sketches, materials, etc. Meet pre-defined criteria, or internal customer standards, as defined by rules or checking criteria.

SOLIDWORKS Task Scheduler PRO PRE

Allows you to set up tasks to perform at a future time. E.g. Converting of neutral files to SOLIDWORKS document can be scheduled to run at off-peak hours.

SOLIDWORKS Toolbox PRO PRE

Containing over 1 million parts conforming to international standards (ISO, ANSI, GOST, etc.) with both inch/metric options, Toolbox can select the correct size, length and style of fastener and its associated stack of related components (washers, nuts, etc.) to completely and accurately detail assemblies in minutes. Fully customizable to include company standards.

SOLIDWORKS eDrawings Professional PRO PRE

Review 2D drawings and 3D data together with non-SOLIDWORKS users. This email-friendly format supports SOLIDWORKS, DWG and other CAD formats, with mark-up, pan/zoom, rotate, section, virtual disassembly, with options to restrict measurement.

SOLIDWORKS Costing PRO PRE

Dynamically evaluate impact of design decisions (materials, vendor, etc.) on manufacturing through use of templates and configurations to generate cost breakdowns and detailed reports.

SOLIDWORKS ScanTo3D PRO PRE

Quickly and easily create solid models of parts or surfaces using point cloud data from any 3D scanner! Models are created automatically or manually, and an extensive set of tools are included for analyzing surfaces and modifying the scan data, mesh or resultant geometry.

SOLIDWORKS TolAnalyst PRO PRE

Study the effects of tolerance variations on assemblies due to dimensional stack-up. Output results from Worst Case or Root Sum of Square Analysis and see automatically the contributing part or tolerance with the greatest influence on assembly stack-up.

SOLIDWORKS PDM Standard PRO PRE

SOLIDWORKS PDM Standard eliminates the overhead of managing SOLIDWORKS and DraftSight data on local and shared network drives. Integrations with SOLIDWORKS and DraftSight provides your organization with a highly productive data manage system to let users focus on design.

SOLIDWORKS Visualize Standard PRO PRE

From static images to animations and immersive web content, SOLIDWORKS Visualization products deliver photographic content that clearly and emotionally depicts products in the real world.

SOLIDWORKS Advanced Surface Flattening PRE

Accurately determine or estimate the size and shape of the surfaces in their flattened state in order to be able to cut the material from the flat sheet.

SOLIDWORKS Simulation (Structural Analysis) PRE

Perform extremely fast static stress, strain, and displacement analysis on parts and assemblies. Friction all forces between contacting parts in the assemblies can also be included.

SOLIDWORKS Motion PRE

Simulate and analyze motion of an assembly while incorporating elements such as springs, dampers, or friction, and using mating conditions/constraints from your SOLIDWORKS assembly, range of motion, constraints, mass and component contact are all incorporated in the kinematic solver calculation, providing dynamic time-dependent loads and forces which can also be coupled and used as inputs to structural analysis studies.

SOLIDWORKS Routing PRE

Easily route pipes, tubes, or electrical cables in your 3D assemblies, and create fast nail-board and piping drawings with a full BOM, including wire or pipes segment lengths, hardware, connectors and pipe fittings, etc.

SOLIDWORKS Assembly Level Cost Roll Up PRE

Total cost of the assembly will be calculated by calculating the cost of all parts and adding them together with all hardware and other purchased component costs. You can also recognize welding operations and add custom operations such as painting to the top-level assembly.

SOLIDWORKS Sustainability PRE

Pioneering Green design initiatives in CAD, sustainability gives instant feedback on the environmental impact of design decisions made in a product's production, use, and disposal.

Customer Success Story – Building New FORD GT40s with SOLIDWORKS



Image courtesy of APS



"With the automation that SOLIDWORKS Premium software provides, we've cut our vehicle assembly cycle times nearly by half and improved quality along the way. In fact, we can leverage the dynamic motion, interference detection, and FEA analysis tools of SOLIDWORKS Premium software to increase the assembly accuracy and meet our performance targets for both components and assemblies."

- Ivan Viduka, Business Development Manager

APS

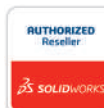
Using SOLIDWORKS Premium design and analysis tools, APS has accelerated design, production, and assembly of custom modern versions of the classic Ford GT40 sports car, which first appeared in the 1960s at the 24 Hours of Le Mans, the world's oldest active endurance race for sports cars.

Challenge

Establish and grow a startup smartphone accessory products company through fast, effective new product design and production to support newly launched smartphone models more quickly than the competition.

Benefits

- Grew annual revenue from zero to \$10 million
- Sold over a half million units in five years
- Turned new products around in mere weeks
- Improved interaction with moldmakers



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