SOLID X
SOLIDWORKS Simplified
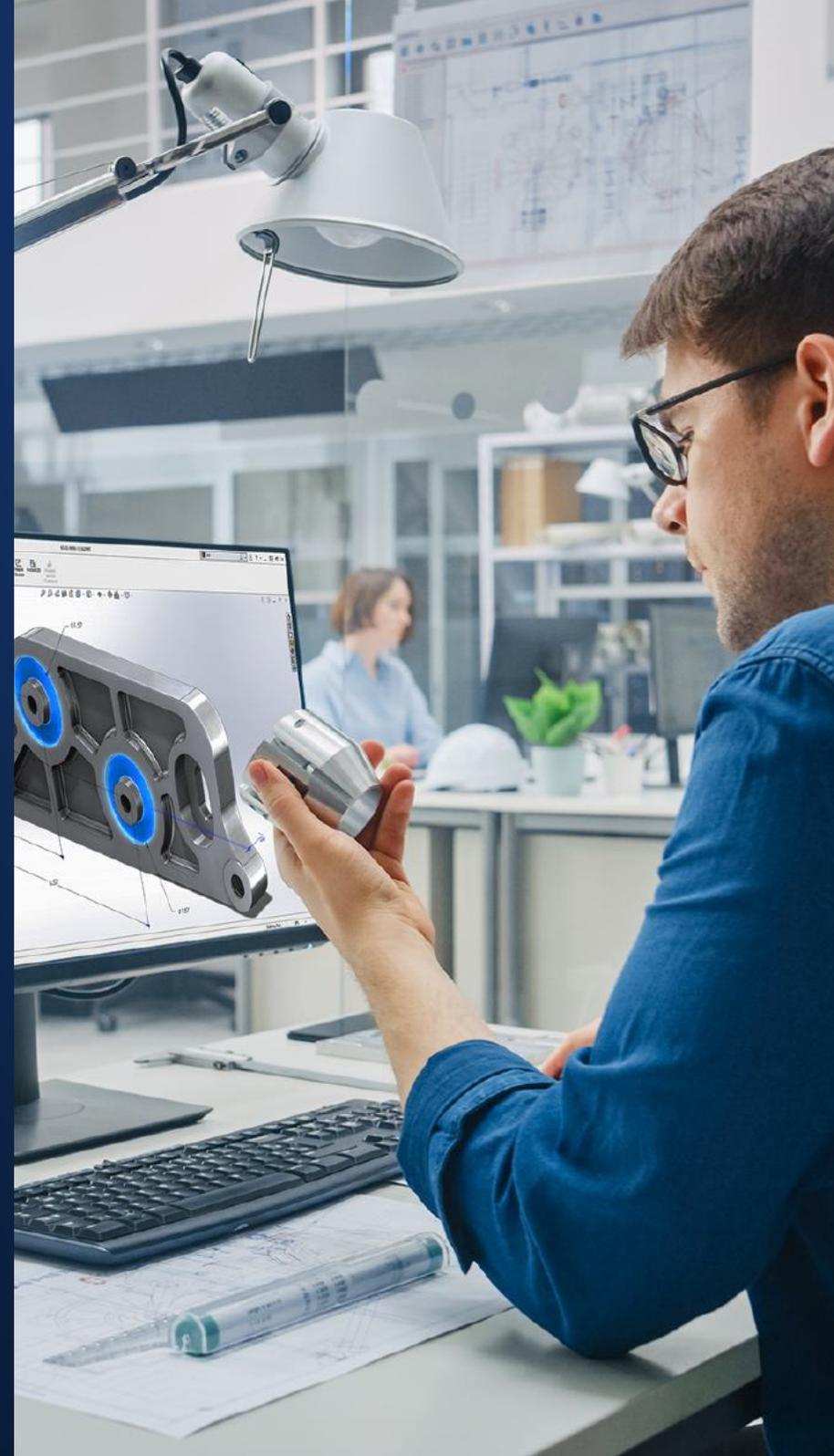
SOLIDWORKS 3D CAD Packages Overview

Powerful, easy to use software for all of your design needs, available in 3 packages.

DS SOLIDWORKS

About SOLIDX

SOLIDX do things a little differently

We bring a fresh approach to help guide you through both the SOLIDWORKS and 3DEXPERIENCE product range. We put your needs front and centre. Our advice is totally focussed on recommending the best solution for you, your business and your budget. With over 75 years of experience in helping customers make the right SOLIDWORKS choices for their businesses, we are well positioned to help you.

We will:

- **Be totally transparent.** Our prices are front and centre to help you decide the right product and to make informed decisions.

- **Keep it simple.** No jargon. Just great information that we feel will help you. No bloated website or confusing messaging.

- **Our experience.** Helping understand your business challenges, so we can be responsive and flexible to your needs.

- **Our core philosophy is simplicity.** We are here to help you make decisions quickly and easily with expert advice.

Design > **Test** > **Share** > **Make**

SOLID X
SOLIDWORKS Simplified

SOLIDWORKS Standard

Standard, but by no means basic

SOLIDWORKS Standard boasts an extraordinary level of power and versatility.

Designed to provide an exceptional user experience, this package is equipped with best-in-class Modelling, Assembly & Drawing features, to take the guess work out of Product Development.

Part Modelling
Comprehensive feature set covering everything from basic extrudes to advanced plastic part design, multibody solids and geometry analysis

Assembly Modelling
Top-down or bottom-up assembly modelling, kinematic mates & movement, interference & clash detection as well as a myriad of large assembly tool

Manufacturing Drawings
Automatically create detailed drawing views from the 3D model. BOM's, Balloons, Dimensions, Tolerances & much more, all with a parametric link to the 3D CAD Data

Sheet Metal
Industry leading Sheet Metal Design Tools. Create accurate Flat Patterns with direct DXF export for laser cutting & convert imported geometry into functional Sheet Metal parts

Welded Frameworks
Create welded frames & structures, apply corner treatments & features like gussets & end caps, all linked to parametric cut lists

Surface Modelling
Create functional Surface Models, that maintain curvature continuity and ergonomic appeal. Convert Solids to Surface and patch & repair imported files

Animations
Using kinematic assembly mates, produce animated videos of mechanical assemblies, 3D explodes or walkthrough animations of large layouts

Cloud Data Management*
Leverage the Cloud based 3DEXPERIENCE Platform to handle the storing, sharing & revision management of your engineering data

Configurations
Store variations of a part or assembly based on dimensional changes, create handed versions & allow features to be switched on & off, all within a single file

CAM 2.5axis*
Use your SOLIDWORKS Part file to create machine coding for 2.5axis milling and output g-code to a variety of industry standard milling machines

Only available to licenses on active subscription

Tel: 01223 857 300   Email: info@solidx.co.uk   Web: www.solidx.co.uk
St John's Innovation Centre, Cowley Road, Milton, Cambridge CB4 0WS

SOLID X
SOLIDWORKS Simplified

SOLIDWORKS Professional

Building on the capabilities of SOLIDWORKS Standard, **SOLIDWORKS Professional** adds a comprehensive set of productivity and communication tools to add further enhancements to the design process.

SOLIDWORKS Professional is an indispensable asset for Companies striving to elevate their design and engineering prowess to the next level.

Toolbox
A vast library of industry recognised mechanical fasteners & components to drag and drop into your designs. Configurable part numbers and descriptions to appear on your BOM

PDM Standard
On premise Engineering Data Management system, geared towards single site design teams. Store, Secure and Revision Control your CAD Data with full traceability

Task Scheduler
Automate time consuming admin tasks, running them on a schedule at off peak ours. Print drawings, batch convert files, rebuild assemblies and more

Design Checker
Check your documents are in line with company standards. Define dimensioning rules, title blocks, custom properties & more, to ensure teams are all working toward the same goals

Scan to 3D
Ideal for reverse engineering. Open mesh or point cloud scan data directly in SOLIDWORKS and convert to surface or solid bodies that can be further edited

Visualize Standard*
Create photo-realistic images with this powerful standalone rendering software. GPU&CPU rendering with built in AI, for the fastest solver SOLIDWORKS have ever released

Costing-Parts
Compare manufacturing costs between different sheet metal & machined part designs, to define the most economically viable option for your business

CircuitWorks
Integrate your PCB designs into your mechanical assembly. Import industry standard E-CAD formats and generate visually accurate PCB's to test for clearance

File Compare
Instantly identify differences between selected SOLIDWORKS files. Compare Drawings, BOM's and even 3D Geometry. Results are displayed graphically and can output for reporting
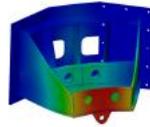
TolAnalyst
Quickly understand the implications of Tolerance stack up in your designs. Stack up and calculate the maximum & minimum "worst case" scenarios for your parts & assemblies

Only available to licenses on active subscription

SOLID X
SOLIDWORKS Simplified

SOLIDWORKS Premium

SOLIDWORKS Premium, our flagship CAD Package, builds on the solid foundations of Standard and Professional and unparalleled tools to create, simulate, and optimise complex designs.

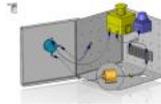It is the ultimate solution for ambitious product development teams.

Simulation
Validate parts and assemblies for structural strength, identifying areas of concern for both maximum stress and deflection, with comprehensive report building

Routing - Electrical
Automate the creation of electrical wiring assemblies. Use built in libraries of electrical wires & connectors, or create your own with a simple wizard

Surface Flatten
Generate an accurate flat pattern for surface bodies. Show areas of stretch and compression. Ideal for textiles, furniture or complex decals

Costing – Assemblies
Building on Costing for Parts, you can compare costs at assembly level including welding operations. Additional consumables such as pain & lubricants can be included

Simulation Motion
Assess the impact of stress & displacement within mechanised assemblies. Define motor output requirements to power systems and understand tipping forces

Routing - Piping
Built with the same technology as wiring, the routing for pipework add on is ideal for any companies creating pipework assemblies and comes with a vast pipework and flange library

Sustainability
SOLIDWORKS Sustainability gives you an understating of the environmental impact of your design. Consider everything from material selection, processing, shipping and end of life

Catia V5 Import
Directly import Catia parts and assemblies without the need to convert the files. With a link to the original file, edits made in Catia can be automatically picked up in SOLIDWORKS

SOLIDWORKS is now trusted by over **6.5 million designers** globally and provides a comprehensive toolkit for innovation. We help take our customers through from initial design and concepting, virtual prototyping, virtual testing, creation of marketing materials and then, finally, on to successful product release - all within one unified tool and user interface.

SOLID X
SOLIDWORKS Simplified

SOLIDWORKS Feature Matrix

SOLIDWORKS
Standard

- Part Modelling
- Assembly Modelling
- 2D Drawings
- Welded Frameworks
- Sheet Metal
- Surface Modelling
- Mold Tools
- Configurations
- Design Tables
- Interference Check
- Simulation Xpress
- CAM (2.5 axis)*
- Direct Editing Tools
- DriveWorks Xpress
- eDrawings
- 2D to 3D Conversion
- Treehouse
- Design Evalutation Tools
- Cloud Data Management*

SOLIDWORKS
Professional

Everything in Standard, plus

- Toolbox
- Costing – Parts
- CircuitWorks
- Task Scheduler
- Design Checker
- eDrawings Professional
- TolAnalyst
- Visualize*
- PDM Standard
- FileCompare
- Scan to 3D

SOLIDWORKS
Premium

Everything in Professional, plus

- Simulation
- Simulation Motion
- Routing – Electrical
- Routing – Piping
- Routing – Tubing
- Advanced Surface Flatten
- Sustainability
- Costing – Assemblies
- Catia V5 Import

Only available with an active subscription of SOLIDWORKS

SOLID X
SOLIDWORKS Simplified

SOLIDWORKS Pricing

SOLIDWORKS Standard

The foundation stone for all SOLIDWORKS products. Powerful design functionality for the most complex of tasks

Perpetual
License
£4,463

Annual Subscription Service
£1,360

Total
£5,823

Rental
£2,544 12 month
£763 3 month

SOLIDWORKS Professional

Adds to the power of SOLIDWORKS Standard for collaboration and powerful productivity functionality

Perpetual
License
£5,775

Annual Subscription Service
£1,560

Total
£7,335

Rental
£3,156 12 month
£947 3 month

SOLIDWORKS Premium

SOLIDWORKS Premium builds on Professional by adding structural and motion analysis and piping/cabling

Perpetual
License
£7,088

Annual Subscription Service
£1,850

Total
£8,938

Rental
£3,876 12 month
£1,163 3 month

All pricing shown is exclusive of VAT

Network license options also available on request

SOLID X
SOLIDWORKS Simplified