Solid Edge ST7
Re-imagine What’s Possible

Greenpower electric vehicle courtesy of the Huntsville Center of Technology
over 1300 customer requests satisfied
Accelerate your 3D modeling
Take your designs to the next level with faster, more flexible 3D modeling and beautiful photo-realistic rendering

Streamline your design management
Complete your projects faster with design management that’s visual and straightforward

Power up with new apps
Get more productive with powerful new apps for design, manufacturing and collaboration

Enjoy an amazing user experience
Unleash your creative potential with easier access and our most intuitive user interface yet
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Increased access to online monthly subscriptions

- Now available in many European countries including Germany, France, Italy, Spain...
- Start-ups: avoid large initial capital expense
- Established manufacturers: enable peaks in demand to be met more easily
Growing academic program

- Free access to industry leading design software for students and academic institutions
- Off-the-shelf curricula and project materials to help teachers support their own programs
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Rapidly expanding user community

- Easier access to user events and local user groups
- Thriving online user community facilitating sharing and learning
User Interface
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User Interface

- New start-up screen with easy access to common tasks
- Enhanced tooltips with embedded videos
- Improved help for common commands
- Expanded File Open dialog
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“The enhanced tooltips with video will make it very easy to learn Solid Edge”
Daniel Frohlich, EagleBurgmann

EagleBurgmann
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Material Table
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Accelerate your 3D modeling

Material Table

- Intuitive, visual interface for material selection
- Standards-based material definitions
- Grouping, categorization and sorting of materials
- Import materials from sources such as MatWeb
“The ability to use multiple material tables will be very advantageous...our large-scale machinery design team can utilize a table containing structural steel, while tooling engineers will have access to material types relevant to their applications”

(major consumer product company)
Quick Shapes
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Quick Shapes

- Streamlines creation of basic geometry
- Speedy starting point for new models
- Quick method for material removal
Part to Sheet Metal
Part to Sheet Metal

- Wrap sheet metal around solid parts, inside or out
- Quick method for complex sheet metal design
- 8 corner treatments available
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5X faster in ST7
based on internal workflow testing
3D Measure
Solid Edge ST7
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3D Measure

- Multiple measurements from a single command
- Easy to read graphical measurement, with color coded X, Y, Z
- Built-in automatic ‘note-pad’
Standards-based Holes
Standards-based Holes

- Specify bolt size and fit for the correct size of hole
- Intuitive, visual interface
- Consistent across Part, Assembly, and Sheet Metal
- Widespread international standard support
“The revamped hole command functionality automatically derives a hole type based on a standard bolt size, allowing us to focus more on design and less on determining proper clearances”

Jason Inglis, DitchWitch
Blank Body
Solid Edge ST7
Accelerate your 3D modeling

Blank Body

- Easy to use flattened blank from any 3D model
- Rapid manufacturing data for formed and stamped parts
- Valuable for upholstery costing estimation
- Included with Solid Edge Classic and Premium
Pattern of Patterns Recognition
Pattern of Patterns Recognition

- Recognize pattern of patterns in imported geometry
- Streamlined multi-geometry control
- Can be edited like any other pattern
3D Sketch
Solid Edge ST7
Accelerate your 3D modeling

3D Sketch

- Available in Part, Assembly, and Sheet Metal
- Easier to create components across multiple planes
- Quicker design of components swept along a 3D path
- Fastest way to route pipes, tubes, and wires
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Accelerate your 3D modeling

Visual In-Window Tools

- Quick View Cube
- Visually appealing and intuitive sketch drawing tools
- Heads-up display of values
- Clean sketch handles and indicators
Duplicate Component
Duplicate Component

- New patterning method
- Rapid duplication based on existing locations of other components
- Intelligent orientation
- Patent Pending
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Accelerate your 3D modeling

10X faster in ST7
based on internal workflow testing
“While designing within our large product assembly, the ability to reference components residing in different levels of that assembly, without actually having access to those other components, is a huge productivity enhancement for us”

Georg Roth, Singulus
Fixed Length Curve
Solid Edge ST7
Accelerate your 3D modeling

Fixed Length Curve

- Automatic curve adjustment to maintain specified length
- Easily incorporate standard hoses and cables supplied at fixed lengths in your designs
- Visualize the path followed by hoses and cables
Solid Edge ST7
Accelerate your 3D modeling

Drawing Creation
10X faster in ST7
based on internal workflow testing
Solid Edge ST7
Accelerate your 3D modeling

Drawing Creation

- Dynamic drawing view display for all view types
- Associative annotations
- Parts List component highlight and thumbnails
- Streamlined individual part or sub-assembly view creation
- Automatic coordinate dimensions
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Beautiful photo-realistic rendering
Solid Edge ST7
Accelerate your 3D modeling

Beautiful photo-realistic rendering

- Tightly integrated best-in-class technology, KeyShot
- Included with Solid Edge Classic and Premium
- One click from Part, Assembly, and Sheet Metal
- All Solid Edge Face Styles and Views transferred
Solid Edge ST7
Accelerate your 3D modeling

Beautiful photo-realistic rendering

- “Live Link” established so design changes are updated
- Easy to use; no specialized rendering expertise required
- KeyShot Cloud for extended resources
- Supports rendered animations!
“Professional designers need rendering tools that aren’t all dialogs, knobs, slides and toggles. We need to get the data in, add the materials and have the system do the donkey work. For that, KeyShot wins every time”

Al Dean, Develop 3D
Streamline your design management
Complete your projects faster with design management that’s visual and straightforward
Solid Edge ST7
Streamline your design management

Solid Edge SP

- Your valuable data organised in a single location
- Find files easily
- Collaborate with your project team effectively
- Refreshing, visual approach to design management
Solid Edge ST7
Streamline your design management

Solid Edge SP

- Multiple preview/properties cards for easy design comparisons
- Different products and different revisions of products can be quickly compared
Solid Edge ST7
Streamline your design management

Solid Edge Embedded Client
(Teamcenter integration)

- Integration with Teamcenter and Teamcenter Rapid Start 9.1 and 10.1
- Support for the new simplified assembly and reference assembly capabilities
- Enhancements to the Add to Teamcenter – Interactive utility
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Power up with new apps

Simulation

- Faster analysis results with multiple processor selection
- Global preferences of meshing and results display, across different analyses
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Standard & Catalog Parts

- Solid Edge PARTcommunity (powered by CADENAS) mobile catalog App for Android and iOS devices
- Browse structured product catalogs from over 400 manufacturers while on the go
- Flexible search methods
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Electro-mechanical design

- Integrate electrical wire harness from Zuken’s E3.schematic
- Transfer electrical harness details including connectors, terminals, splices and netlist to Solid Edge
- Route in 3D using Solid Edge
- Return length and structure data from Solid Edge
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3D Printing

- Print a 3D Solid Edge model using Microsoft 3D Builder
- Intuitive 3D Builder interface supports scaling, replication and rotation
- Print on devices such as the MakerBot® Replicator® 2 Desktop 3D Printer

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Manufacturing

- CAMWorks for Solid Edge enhanced for multi-axis milling, wire EDM, and mill-turn capabilities
- Supports Solid Edge assemblies, allowing the NC Programmer to see the entire setup (including fixtures) while creating tool paths
Cloud-based CAD Management

- Manage Solid Edge models in secure GrabCAD Workbench projects
- Use Workbench to track file versions and share files with collaborators
- Access 1000s of Solid Edge models in public library
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Microsoft Surface Pro

- Full Solid Edge modeling and drafting on Microsoft Surface Pro tablet
- Finger gestures for touch manipulation
- Stylus for precision work
- Design productivity on-site and on-the-go
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