



Ingenuity for Life – Driving the Digital Enterprise





Solid Edge ST9: Expand your horizons

Siemens Solid Edge ST9 combines the cloud capabilities and data management you need, with unprecedented flexibility and excellence in 3D CAD. Move to Solid Edge and expand your horizons.





Dataset courtesy of Zumex



Fast and flexible 3D modeling.



Dataset courtesy of Zumex



Fast and flexible 3D modeling.

Scalable data management.



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Move to Solid Edge!



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CAD that follows wherever you go



CAD that follows wherever you go

Share CAD files easily across teams and sites

Cloud enabled design – on your terms.



CAD that follows wherever you go

Share CAD files easily across teams and sites

CAD that's reliable

Cloud enabled design – on your terms.



CAD that follows wherever you go

- ✓ Login to start, license on the cloud
- Personalized settings available anywhere
- Updates installed from the cloud, but only when wanted
- ✓ Access designs anywhere

Cloud enabled design – on your terms.



Share CAD files easily across teams and sites

- ✓ Uses popular cloud storage services such as Dropbox, One Drive, Google Drive, and Box
- ✓ Changes at one site are synchronized with others
- ✓ Automatic file locking at other sites during edits





CAD that's reliable

- ✓ If the internet goes down, Solid Edge doesn't
- ✓ Files are local
- ✓ Performance is fast, regardless of internet speed



Flexible licensing

✓ Node locked, floating, or cloud based



Flexible licensing

✓ Node locked, floating, or cloud based

Flexible purchasing

✓ Perpetual, or subscription - monthly or yearly







Fast and flexible 3D modeling.

Scalable data management.

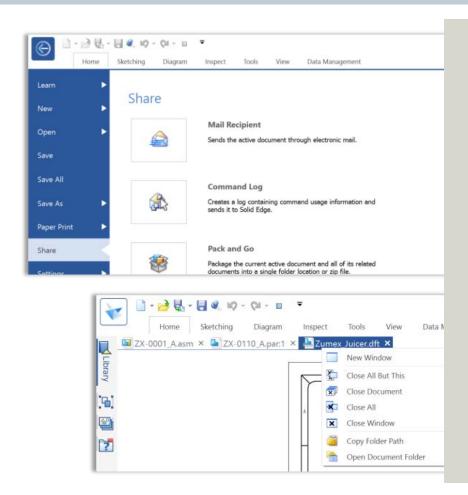
Move to Solid Edge!







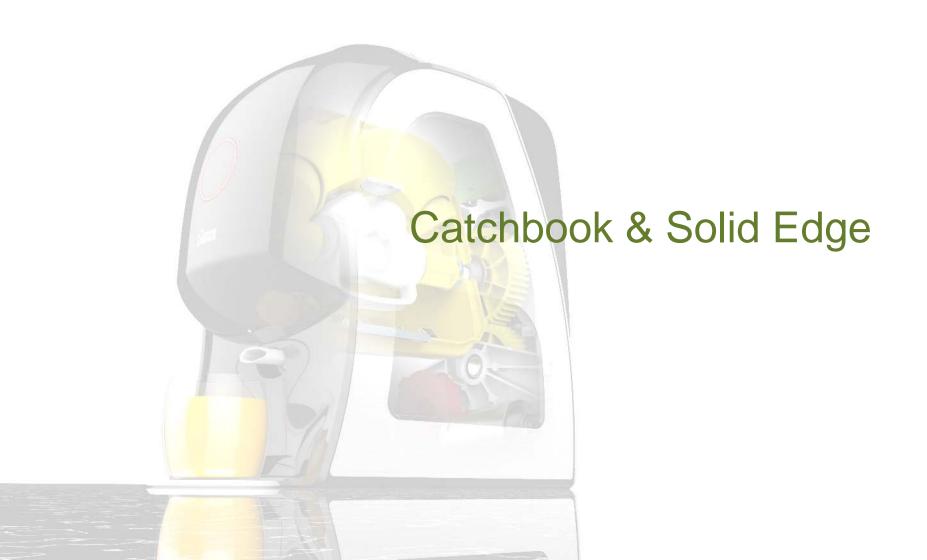




Improved User Interface

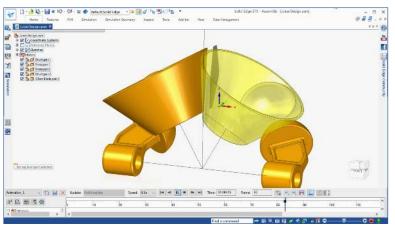
- ✓ Increased consistency with Microsoft Office behavior
- ✓ Tabbed documents for quicker multi-document work
- ✓ High resolution monitor support
- Academic themes to simplify learning curve for students





Fast and flexible 3D modeling.





Catchbook & Solid Edge

- ✓ Capture ideas quickly on tablet and smartphone
- ✓ Draw and trace accurately
- ✓ Create 3D models in Solid Edge from Catchbook sketches

Featured product: Zumex Soul



The automatic juicer that you have always dreamt about

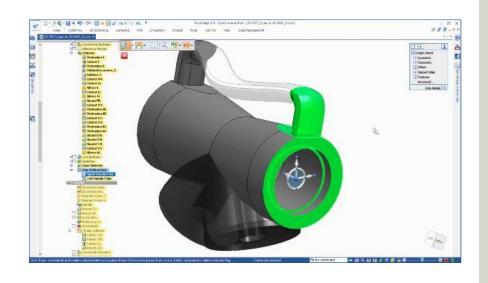
SOUL

ENJUICE YOUR LIFE by Zümex





Fast and flexible 3D modeling.

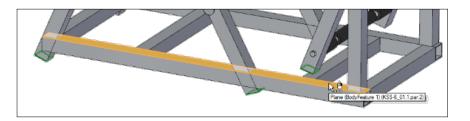


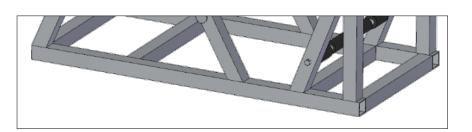
Synchronous Technology

Top user request

- ✓ Improved ordered/synchronous hybrid modeling experience
- ✓ Enhanced: multi-body, 3D sketch, mirror, Design Intent, in-context

Fast and flexible 3D modeling.

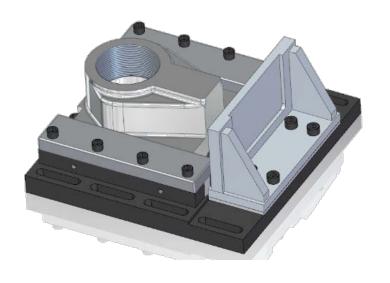




Synchronous Technology

- ✓ Improved ordered/synchronous hybrid modeling experience
- ✓ Enhanced: multi-body, 3D sketch, mirror, Design Intent, in-context
- ✓ Multi-face replace in an assembly

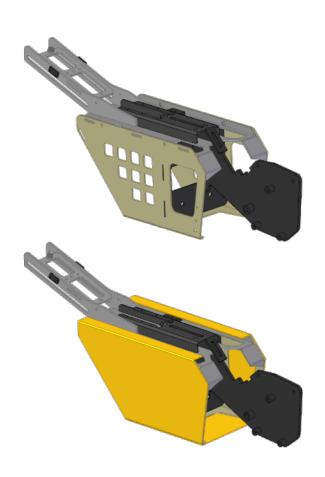
Fast and flexible 3D modeling.



Synchronous Technology

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- ✓ Enhanced: multi-body, 3D sketch, mirror, Design Intent, in-context
- ✓ Multi-face replace in an assembly
- ✓ Create threaded hole features from threaded shaft Booleans

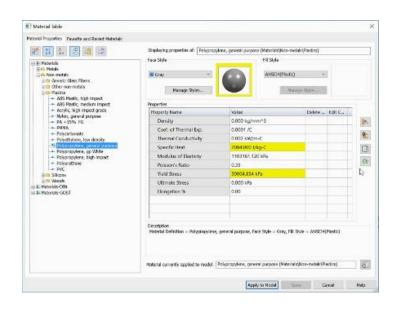
Fast and flexible 3D modeling.



Synchronous Technology

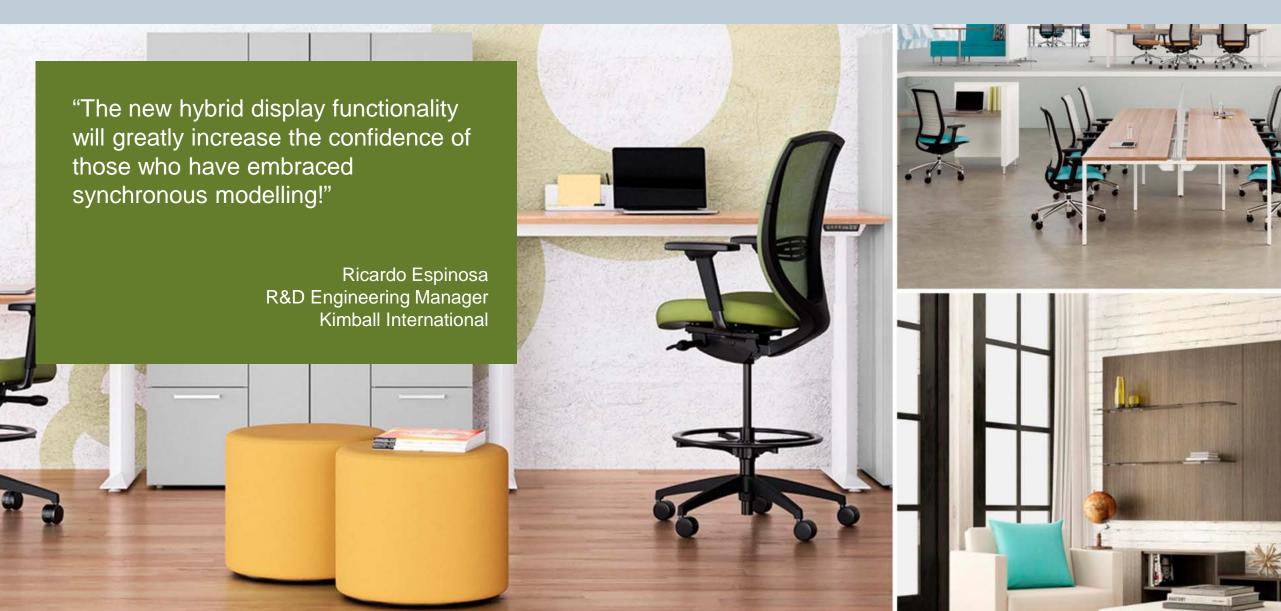
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- ✓ Sheet metal contour flange creation from edges of multiple parts

Fast and flexible 3D modeling.



Synchronous Technology

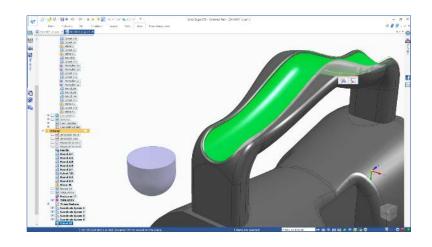
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- ✓ Enhanced: multi-body, 3D sketch, mirror, Design Intent, in-context
- ✓ Multi-face replace in an assembly
- Create threaded hole features from threaded shaft Booleans
- ✓ Sheet metal contour flange creation from edges of multiple parts
- ✓ Better material library management

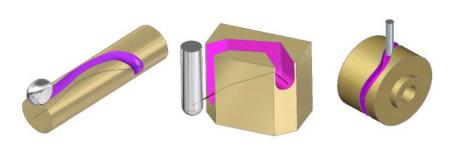






Fast and flexible 3D modeling.

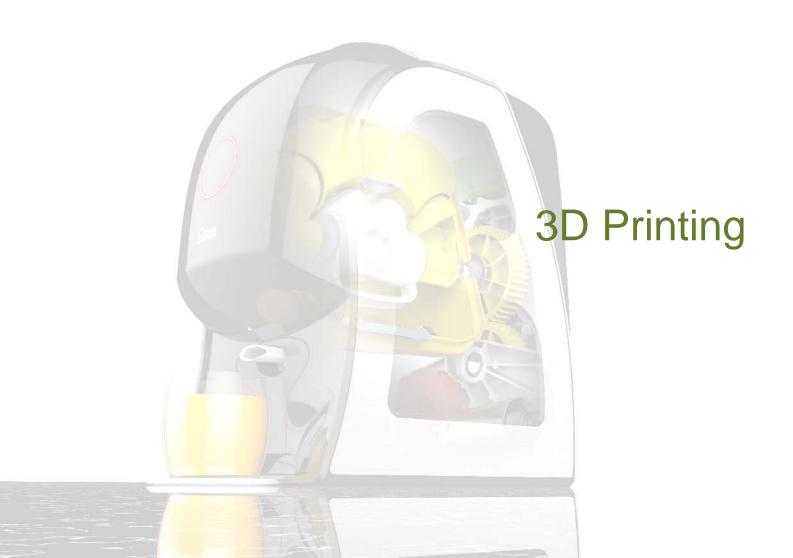




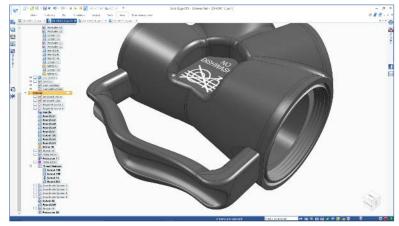
Solid Sweep

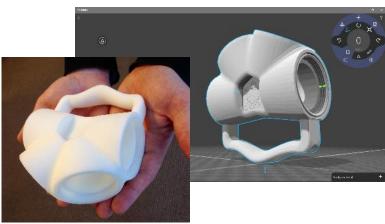
- ✓ Sweep a solid body along a 2D or 3D path
- ✓ Simulate machine tool operations like milling
- ✓ Create complex protrusions





Fast and flexible 3D modeling.





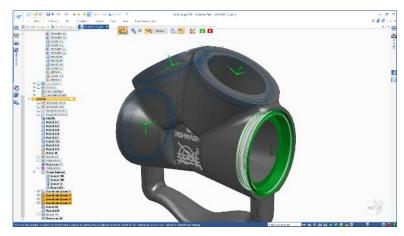
3D Printing

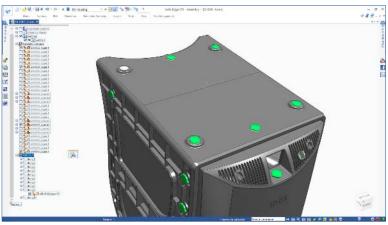
- ✓ Send to 3D Builder for print preparation or online order
- ✓ Solid Print preview with tolerance control
- ✓ Drag & drop sketch blocks e.g. for text and logo reuse





Fast and flexible 3D modeling.





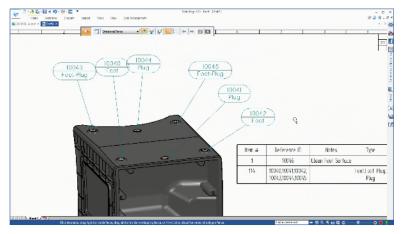
Enhanced Patterning

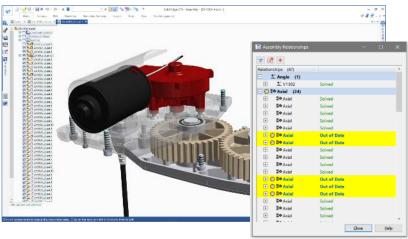
- ✓ Duplicate faces, features, and bodies across multiple planes
- Drive with coordinate systems, sketch blocks, sketch patterns
- √ Ideal for plant layout





Fast and flexible 3D modeling.





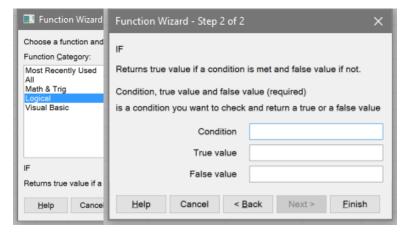
Enhanced Assembly Management

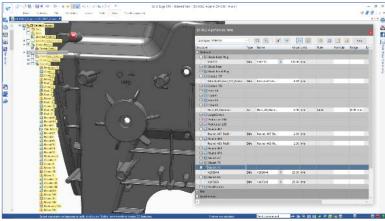
- ✓ Assign unique properties to occurrences (e.g. for MRP integration)
- ✓ New Relationships Manger to easily review and edit relationships
- ✓ New Toggle Display tool to intuitively hide and show components
- ✓ New Isolate view tool to ease working with specific components











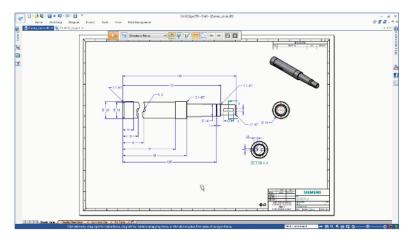
Variable Table Enhancements

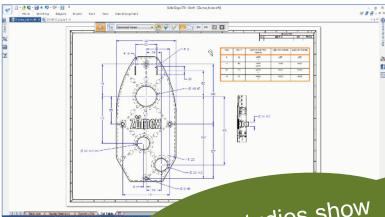
- ✓ More powerful design automation:
 - ✓ Added Functions (e.g. Logic, Conversion)
 - ✓ Improved Variable Rule Editor (e.g. building in limits)
 - ✓ Improved handling of multiple units
- ✓ Find variables easily with structured grouping and sorting









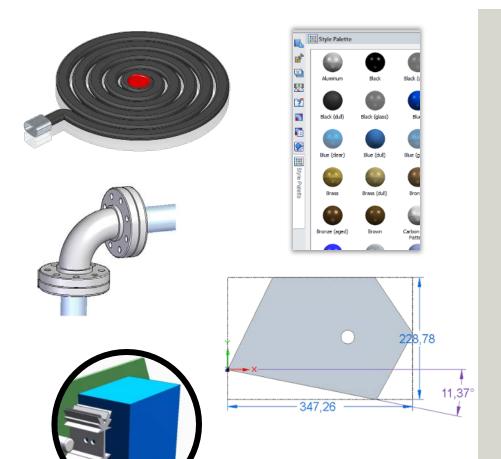


Early studies show
28% time saving
vs. single core use

Enhanced Drawings

- ✓ Improved section and broken view capability
- ✓ Quicker view orientation and style modification
- ✓ Improved readability for symmetric diameters
- ✓ New Tolerance Table for easy reference of tolerance dimensions
- ✓ Improved Paper Print preview
- ✓ Multi-core processing during drawing view updates

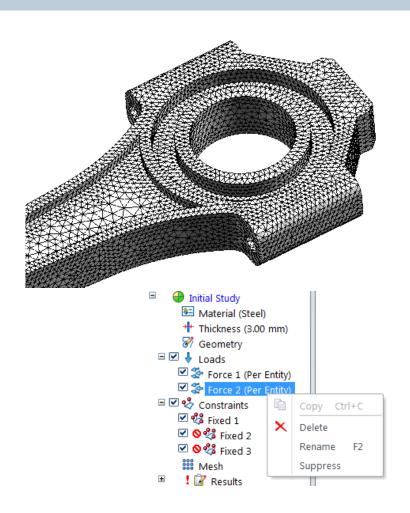




Best of the Rest

- ✓ Spiral curve
- ✓ Drag and drop appearances at assembly level
- ✓ Piping enhancements for improved usability
- ✓ Ability to re-orient sheet metal flat patterns for accurate costing.
- ✓ Avoid costly mistakes with automatic sheet metal clash detection
- ✓ Easily remove proprietary detail at the part level with Enclose
- ✓ Plus many more...

Fast and flexible 3D modeling.

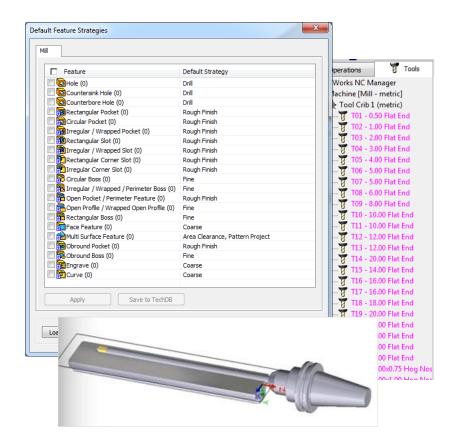


Enhanced Simulation

- ✓ Suppression of Boundary Conditions for easier "what-if" scenarios
- ✓ Maximized Quad elements for more accurate surface meshing.
- ✓ Improved Meshing Performance

Average 4x time saving seen for a variety of models

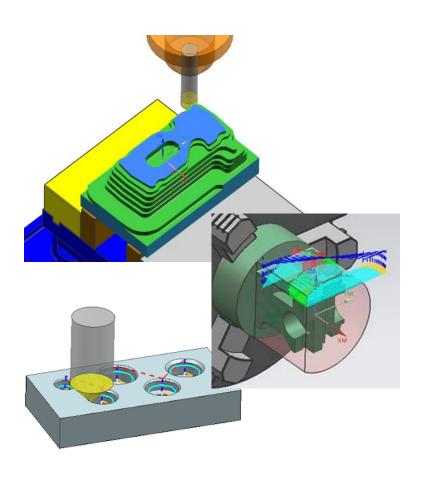
Fast and flexible 3D modeling.



Enhanced Manufacturing - CAMWorks 2016 for Solid Edge

- ✓ Better Automatic Feature Recognition:
 - ✓ Simplify Features option
 - ✓ Improved tool selection for deep features
- ✓ Edit Default Strategies directly (no need to enter TechDB)
- ✓ Volumill Pre-Drilling option to reduce milling costs
- ✓ New Gun-Drilling Cycle for extraordinarily deep holes
- ✓ Tool Management Tree added to CAMWorks PathFinder.

Fast and flexible 3D modeling.



Enhanced Manufacturing - CAM Express 10

- ✓ Automatically generate toolpath based on Solid Edge PMI
- ✓ Generate In-Process Workpiece (IPW) in background
- ✓ Improved corner smoothing for better surface finishes
- ✓ Automatic Cut Pattern direction for Follow Periphery
- ✓ New Boss Milling and Thread Milling (for Boss) operations
- ✓ New Chamfer Milling operation for holes

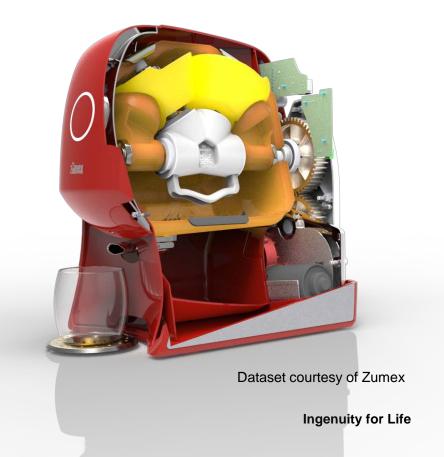


Cloud enabled design – on your terms.

Fast and flexible 3D modeling.

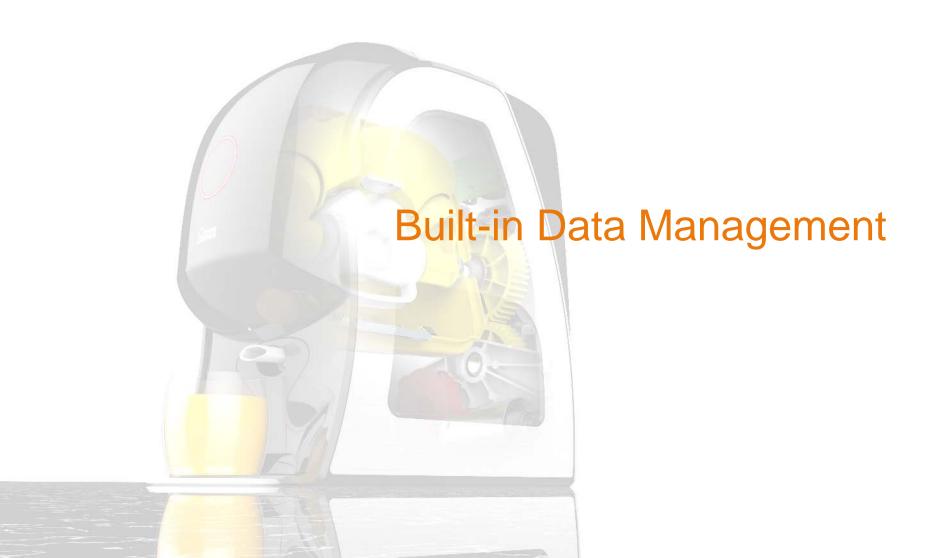
Scalable data management.

Move to Solid Edge!

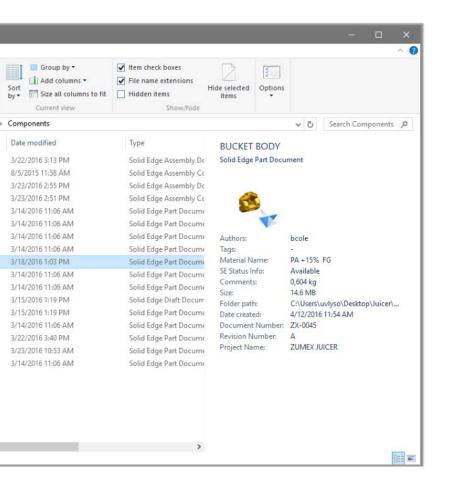




Scalable data management.



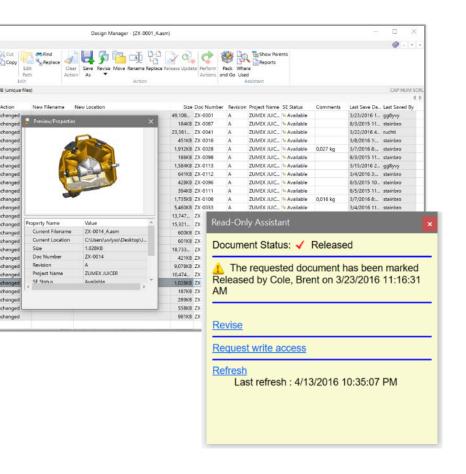
Scalable data management.



Built-in Data Management

- ✓ Zero setup: No extra IT resources, no SQL, no databases
- Instant search for files:
 - Windows Explorer integrated searching
 - Search by any file property (Supplier, Revision, Material)
 - ✓ Where Used for impact analysis

Scalable data management.



Built-in Data Management

- Organized data:
 - Protects against duplicate filenames
 - ✓ Document number generator
- Automated revisions, including associated drawings
- Revision and release management through Design Manager utility
- Pack and Go associated data (e.g. send to suppliers or customers)



Scalable data management.



Scalable data management.



Built-in Data Management

- ✓ Collaborate seamlessly with several sites using popular cloud storage services (e.g. Dropbox, One Drive, Google Drive, Box)
 - Changes at one site are synchronized with others
 - ✓ Automatic file locking at other sites during edits
 - ✓ Off-site data backup

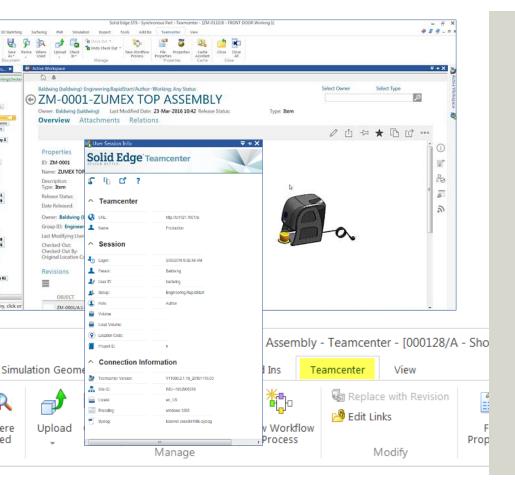
✓ Works with existing local and network vaults also



Scalable data management.



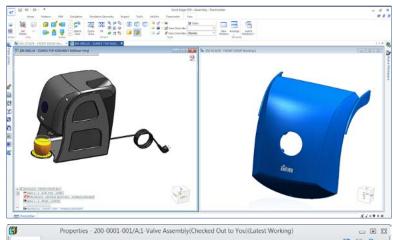
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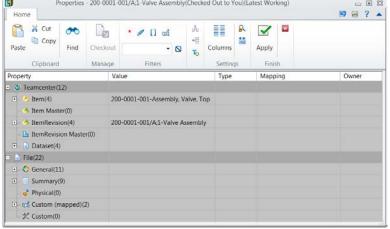


Enhanced Teamcenter Integration for Solid Edge

- Active Workspace now embedded in Solid Edge for streamlined access to product and process data
- New Teamcenter dedicated ribbon bar for quicker everyday tasks
- Better visibility of Teamcenter session information
- Enhanced check-in interface

Scalable data management.





Enhanced Teamcenter Integration for Solid Edge

- ✓ Improved visibility of standard and custom properties in dialogs
- ✓ Full access to Teamcenter properties and mapping to Solid Edge
- ✓ Open multiple revisions of the same part for making comparisons
- ✓ Initiate new workflow processes directly from Solid Edge

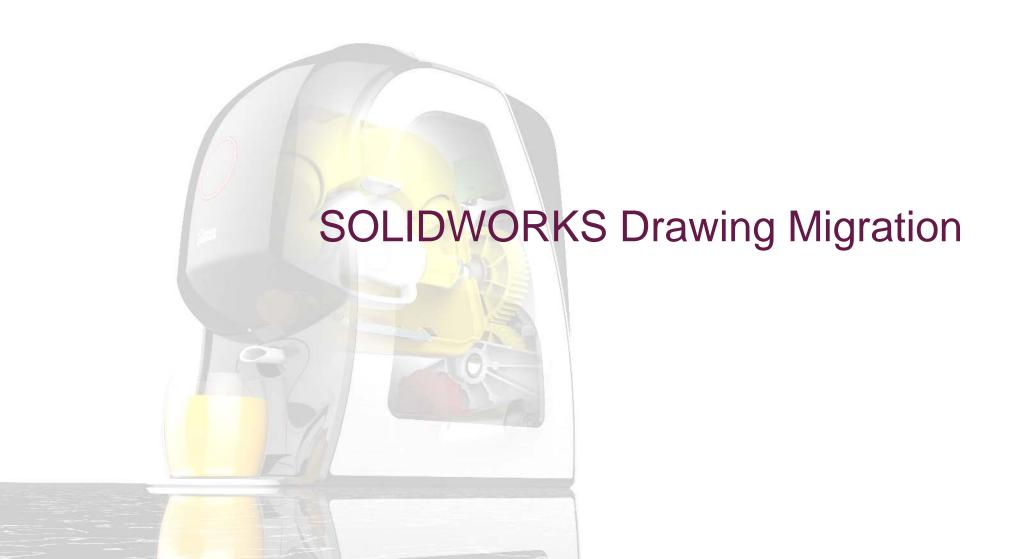




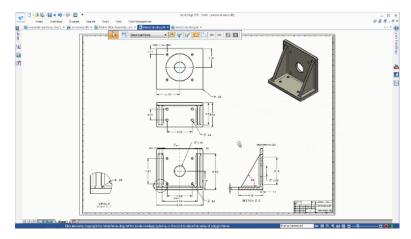
Dataset courtesy of Zumex

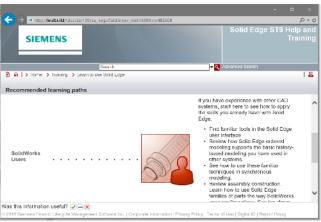


Move to Solid Edge!



Move to Solid Edge!



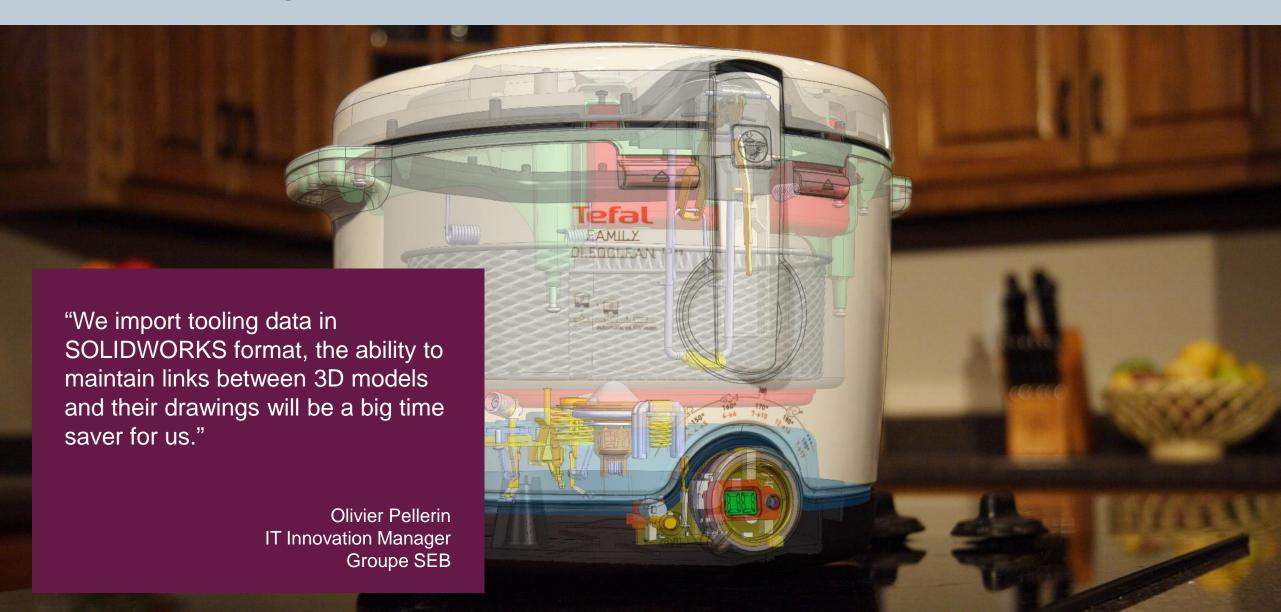


SOLIDWORKS Drawing Migration

- ✓ Hours of re-work saved with associative drawing migration
- ✓ Intelligent 3D migration including custom properties, materials, Configurations, Mates, assembly features, hole features...
- ✓ Edit SOLIDWORKS data quicker than in SOLIDWORKS!
- ✓ User migration support such as familiar interface theme, dedicated tutorials, and Command Finder
- ✓ Migration tools also available for: Pro/ENGINEER / Creo, Inventor



Move to Solid Edge!



Move to Solid Edge!

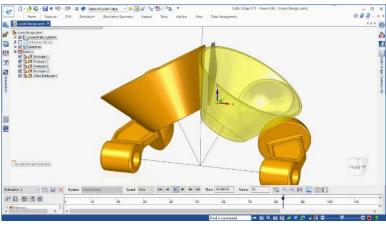


Best mobile device CAD experience

- ✓ Fully functional Solid Edge on Windows enabled mobile devices
- ✓ Comprehensive implementation of multi-touch finger gestures
- ✓ Recognizes both stylus and finger gestures
- ✓ Free Solid Edge Mobile Viewer apps for iOS, Android, and Windows

Move to Solid Edge!





Catchbook & Solid Edge

- ✓ Reuse sketch geometry in Solid Edge
- ✓ Develop 2D sketches into 3D
- ✓ 3D visualization, simulation, manufacture



Move to Solid Edge!

esign and Drafting

Our Basic 3D CAD and support package

\$100.00

ductory part and assembly ign, including automated

d Edge Design and Drafting

Solid modeling onceptual design ynchronous Technology arge assembly design

dvanced CAD file import asic data management

ditional discount available ed on annual subscription term

Foundation

Our Complete 3D CAD and support package

\$230.00

With added sheet metal, weldments, and frame design functionality.

Solid Edge Foundation includes:

- ✓ Conceptual design
- ✓ Synchronous Technology
- ✓ Large assembly design √ 2D drawings
- ✓ Advanced CAD file import
- ✓ Surface design
- ✓ Weldments
- ✓ Frame design

*additional discount available based on annual subscription term

Our Advanced 3D CAD and support package

\$290.00

Classic

With KeyShot rendering, design management, and basic FEA

Solid Edge Classic includes:

- ✓ Conceptual design
- ✓ Synchronous Technology
- ✓ Large assembly design ✓ 2D drawings
- ✓ Advanced CAD file import.
- ✓ Surface design
- ✓ Sheet metal
- ✓ Weldments
- ✓ Frame design
- design management

*additional discount available based on annual subscription term

Premium

Our Ultimate 3D CAD support package

\$420.00

With full FEA simulation, wir harness design and pipe & 1 routing.

Solid Edge Premium include

- ✓ Conceptual design
- ✓ Synchronous Technology
- ✓ Large assembly design
- ✓ 2D drawings
- ✓ Advanced CAD file import
- ✓ Surface design
- ✓ Sheet metal
- ✓ Weldments
- ✓ Frame design

 - ✓ Microsoft SharePoint-base design management
 - ✓ Assembly structural analy
 - ✓ Thermal analysis
 - ✓ Structural part & assemble analysis
 - ✓ Electrical cabling & wiring harnesses routing
 - ✓ Pipe & tube routing

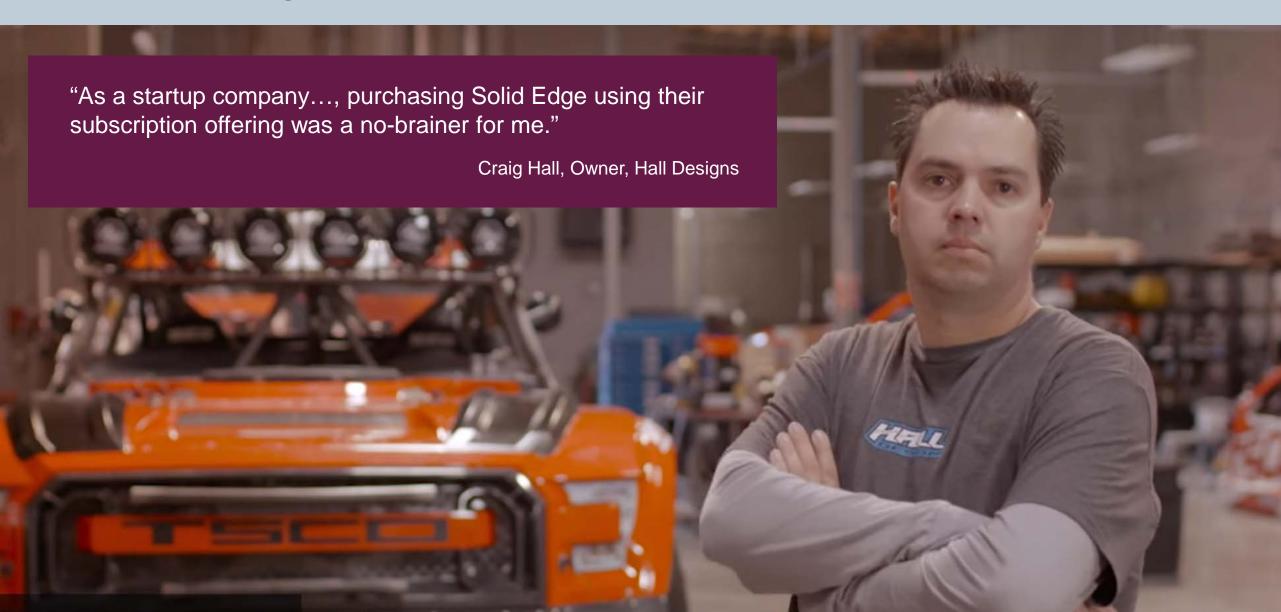
*additional discount availabl based on annual subscriptic

Flexible licensing

- ✓ Traditional perpetual licensing for full time use
- ✓ Monthly or annual subscription-based licenses for lower cost of entry and to meet peaks in demand for design work
- Ultimate freedom to choose how to purchase and deploy



Move to Solid Edge!



Solid Edge ST9

Cloud enabled design – on your terms.

Cloud capabilities when you need them. Flexible and easy access to the full capabilities of Solid Edge with cloud-based licensing, user preferences, software updates, and collaboration.

Solid Edge ST9

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Cloud capabilities when you need them. Flexible and easy access to the full capabilities of Solid Edge with cloud-based licensing, user preferences, software updates, and collaboration.

Fast and flexible 3D modeling.

Get industry-leading part and assembly modeling tools, and remove the constraints of traditional CAD with synchronous technology. Designing the world's best products has never been faster or more intuitive.

Solid Edge ST9

Scalable data management.

Enjoy built-in data management for instantaneous searches, easy revision and release management, and optional cloud based vaulting. Get up and running in as little as an hour, and have the flexibility to grow to full PLM capabilities with Teamcenter.

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Move to Solid Edge!

With the industry's best data migration tools and most flexible licensing options, it's never been easier to design in Solid Edge. So whether you're an established business, a startup, a maker, or a student, now's the time to move to Solid Edge.



Solid Edge ST9: Expand your horizons