

# Solid Edge ST7

## Re-imagine What's Possible



*Greenpower electric vehicle courtesy of  
the Huntsville Center of Technology*

# Solid Edge ST7

you



## Solid Edge ST7

over **1300** customer  
requests satisfied



## Solid Edge ST7

### **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



## Solid Edge ST7


### Enjoy an amazing user experience

Unleash your creative potential with easier access  
and our most intuitive user interface yet



# Solid Edge ST7

Enjoy an amazing user experience



**Subscription-based**  
A new way to buy it!

THE CAD FOR YOU

Solid Edge [system requirements](#)

AutoRenewal - \$220.00

Price is /seat/month (billed monthly).

Qty

[Continue Shopping](#) [Buy It Now](#)

## 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

# Solid Edge ST7

Enjoy an amazing user experience



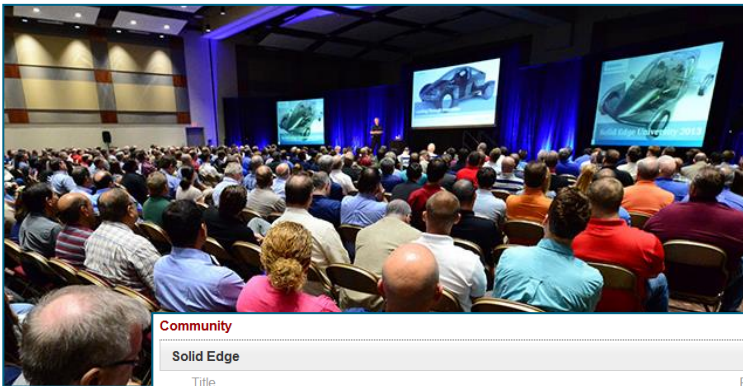
## Growing academic program

- ✓ 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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Community	
<b>Solid Edge</b>	
Title	Posts
🔍 Solid Edge Question and Answer	1305
📖 Solid Edge Knowledge Base Tips & Tricks and other information.	232
💬 Solid Edge Discussion Forum Chat with Solid Edge peers, friends and experts.	839
📝 Solid Edge Community Blog On the Solid Edge Community Blog you will find articles from a number of subject matter experts, as well as news announcements. Your comments are always welcome.	368
<b>Solid Edge Developer Community (4 Items)</b>	
Title	Posts
💬 Solid Edge Developer Forum	5097
📖 Solid Edge Developer Knowledge Base	24
🔍 Solid Edge Developer Q&A	110

## Rapidly expanding user community

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



# Solid Edge ST7

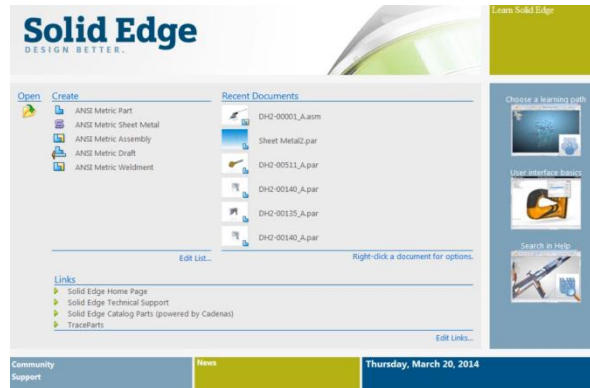
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## User Interface



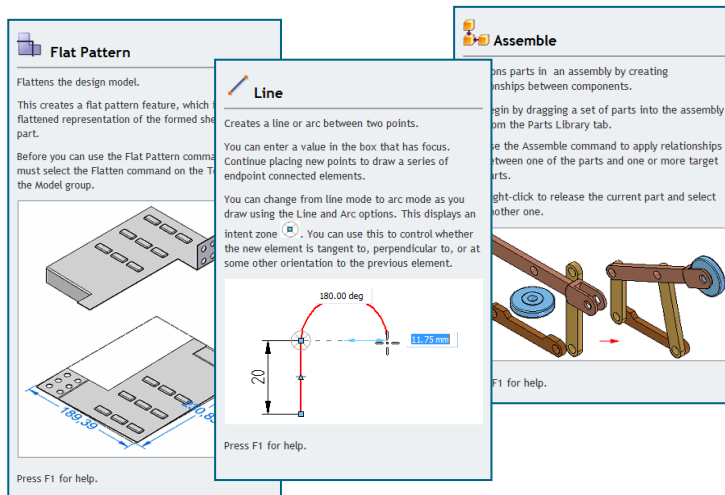
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## User Interface

- ✓ 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**



## Solid Edge ST7

### Accelerate your 3D modeling

Take your designs to the next level with faster, more flexible 3D modeling and beautiful photo-realistic rendering



# Solid Edge ST7

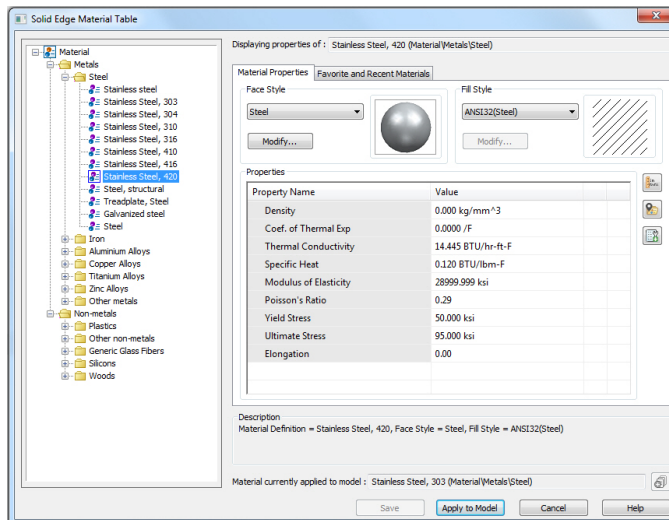
Accelerate your 3D modeling

## Material Table



# Solid Edge ST7

## 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

# Solid Edge ST7

Accelerate your 3D modeling

**“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)



# Solid Edge ST7

Accelerate your 3D modeling

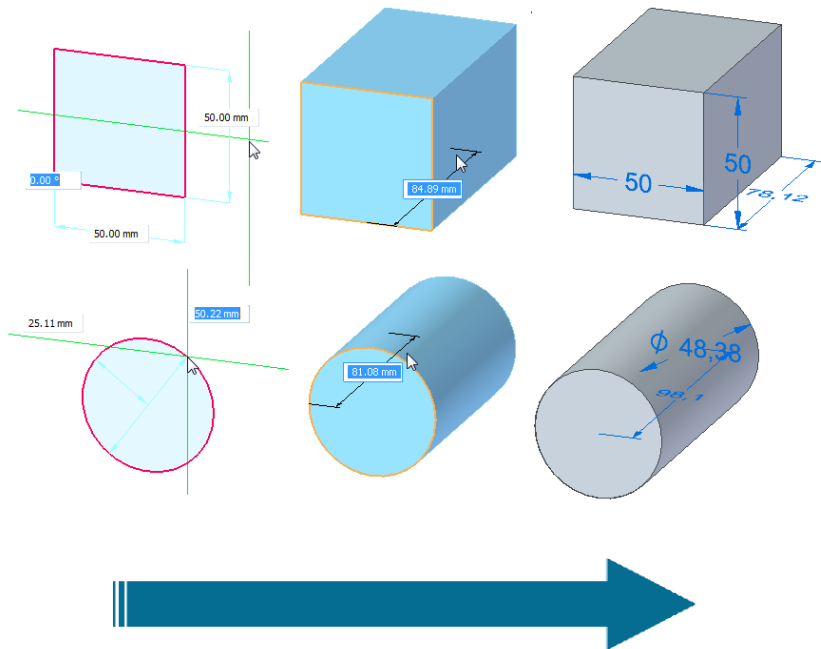
## Quick Shapes





# Solid Edge ST7

Accelerate your 3D modeling



## Quick Shapes

- ✓ Streamlines creation of basic geometry
- ✓ Speedy starting point for new models
- ✓ Quick method for material removal

# Solid Edge ST7

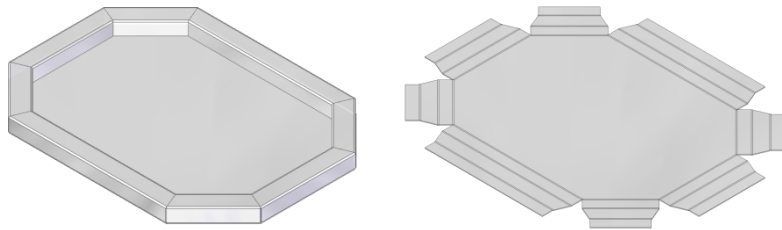
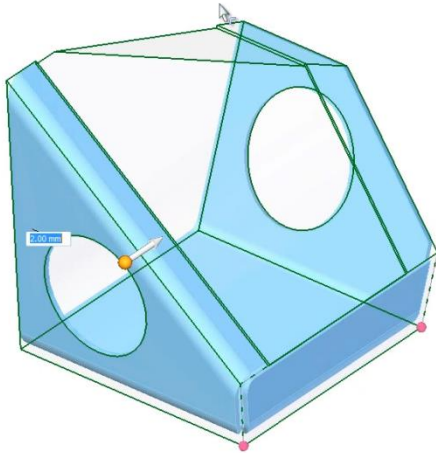
Accelerate your 3D modeling

## Part to Sheet Metal



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Accelerate your 3D modeling



## 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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Accelerate your 3D modeling

## 5X faster in ST7

based on internal workflow testing



# Solid Edge ST7

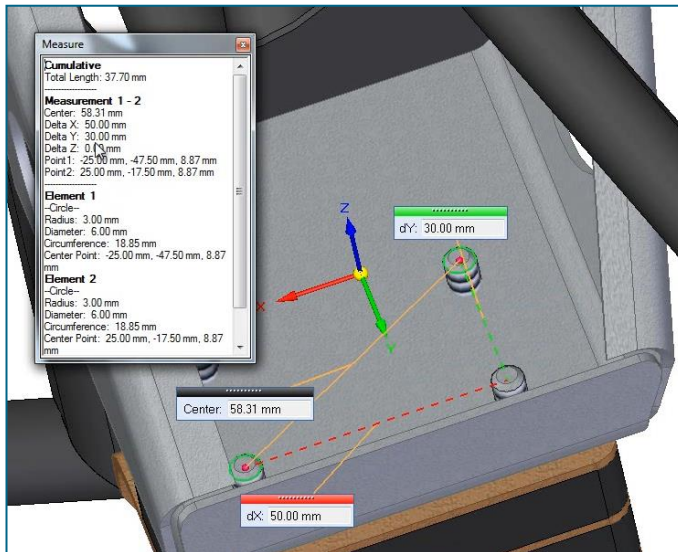
Accelerate your 3D modeling

## 3D Measure



# Solid Edge ST7

## Accelerate your 3D modeling



## 3D Measure

- ✓ Multiple measurements from a single command
- ✓ Easy to read graphical measurement, with color coded X, Y, Z
- ✓ Built-in automatic 'note-pad'

# Solid Edge ST7

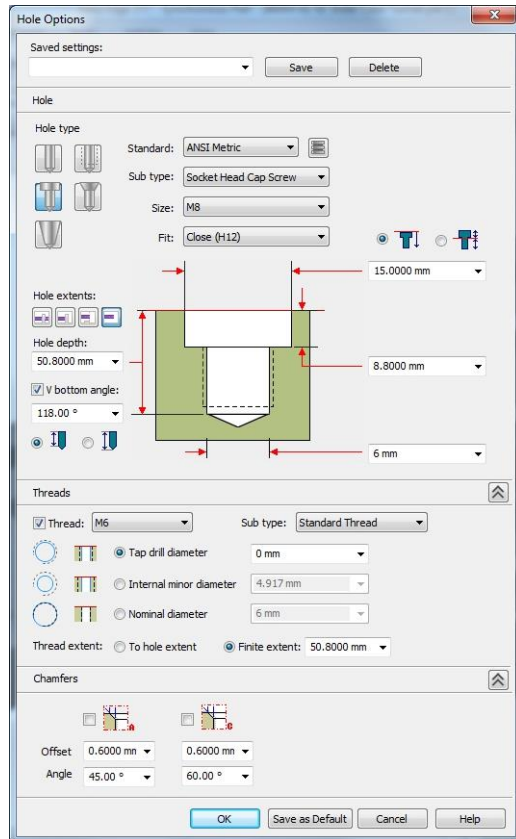
Accelerate your 3D modeling

## Standards-based Holes



# Solid Edge ST7

## Accelerate your 3D modeling



## 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



# Solid Edge ST7

Accelerate your 3D modeling

**“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



# Solid Edge ST7

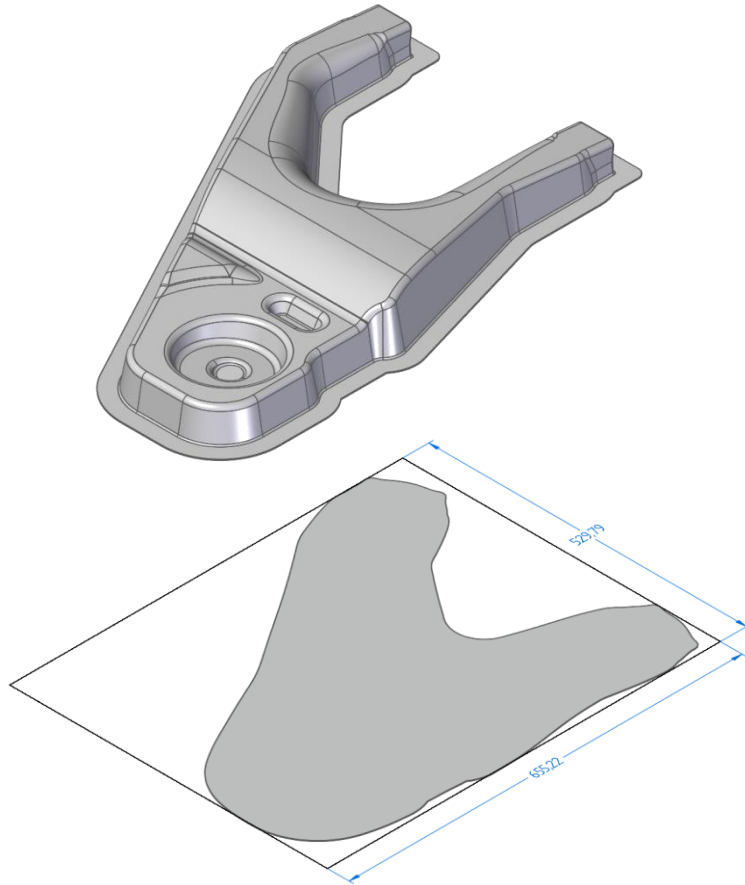
Accelerate your 3D modeling

## 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

**Solid Edge ST7**

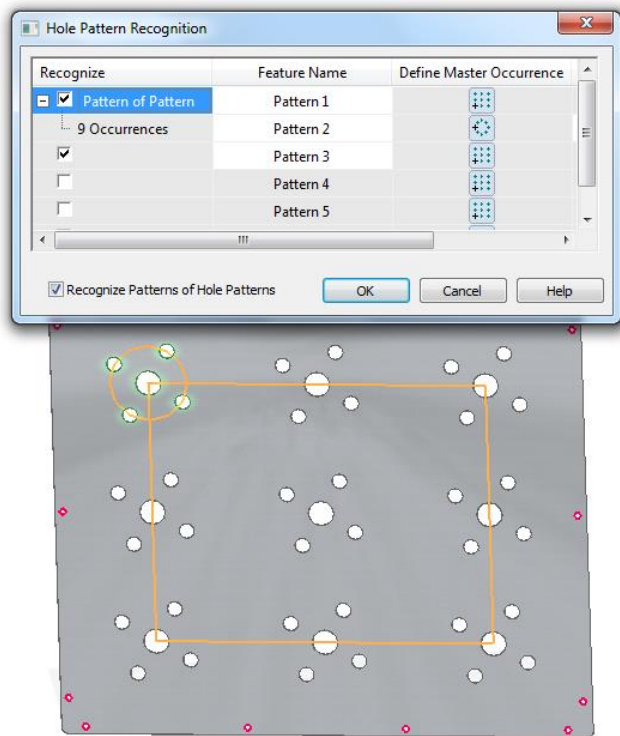
Accelerate your 3D modeling

# Pattern of Patterns Recognition



# Solid Edge ST7

Accelerate your 3D modeling



## Pattern of Patterns Recognition

- ✓ Recognize pattern of patterns in imported geometry
- ✓ Streamlined multi-geometry control
- ✓ Can be edited like any other pattern

# Solid Edge ST7

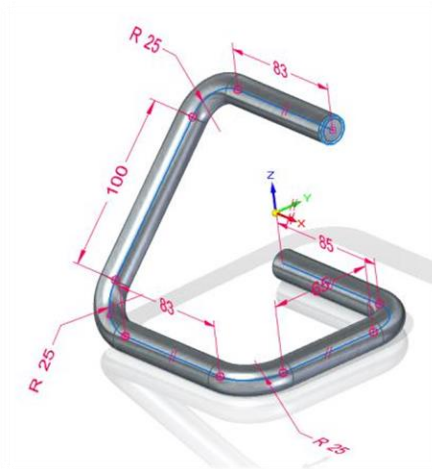
Accelerate your 3D modeling

## 3D Sketch



# Solid Edge ST7

Accelerate your 3D modeling

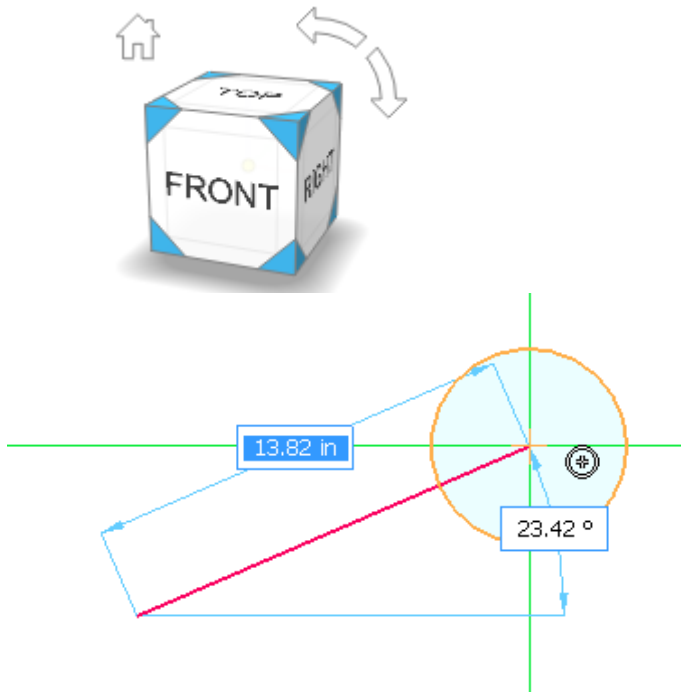


## 3D Sketch

- ✓ 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

# Solid Edge ST7

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



# Solid Edge ST7

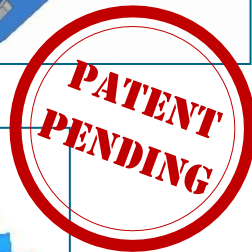
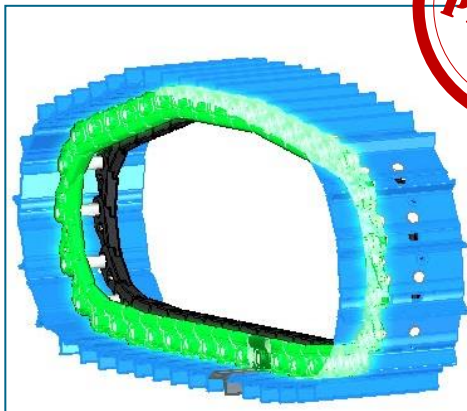
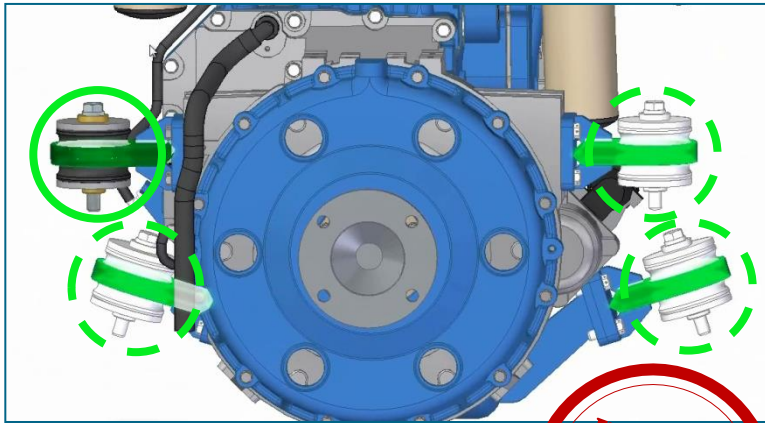
Accelerate your 3D modeling

## Duplicate Component



# Solid Edge ST7

Accelerate your 3D modeling



## Duplicate Component

- ✓ New patterning method
- ✓ Rapid duplication based on existing locations of other components
- ✓ Intelligent orientation
- ✓ Patent Pending

# Solid Edge ST7

Accelerate your 3D modeling

# 10X faster in ST7

based on internal workflow testing



# Solid Edge ST7

Accelerate your 3D modeling

**“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

**SINGULUS** 



# Solid Edge ST7

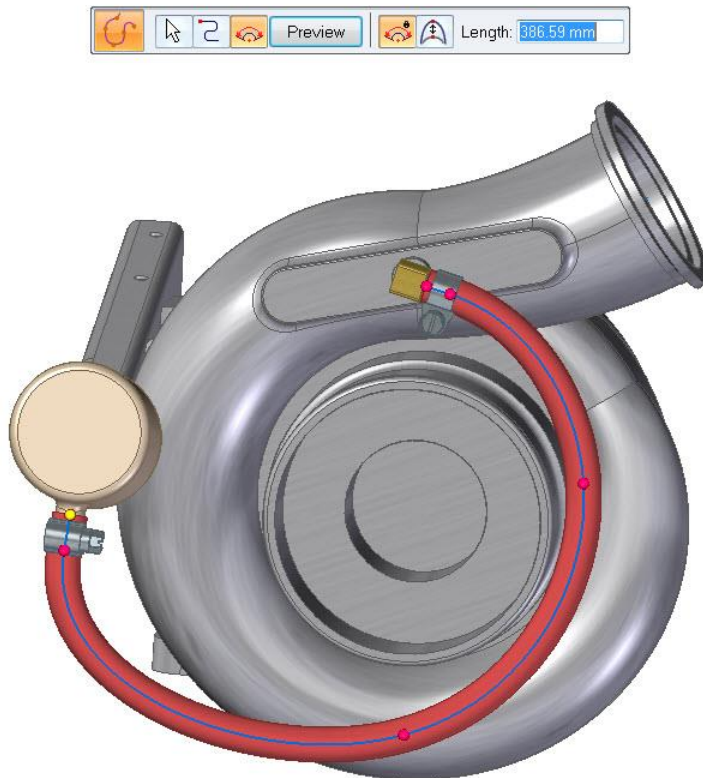
Accelerate your 3D modeling

## 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



# Solid Edge ST7

Accelerate your 3D modeling

# 10X faster in ST7

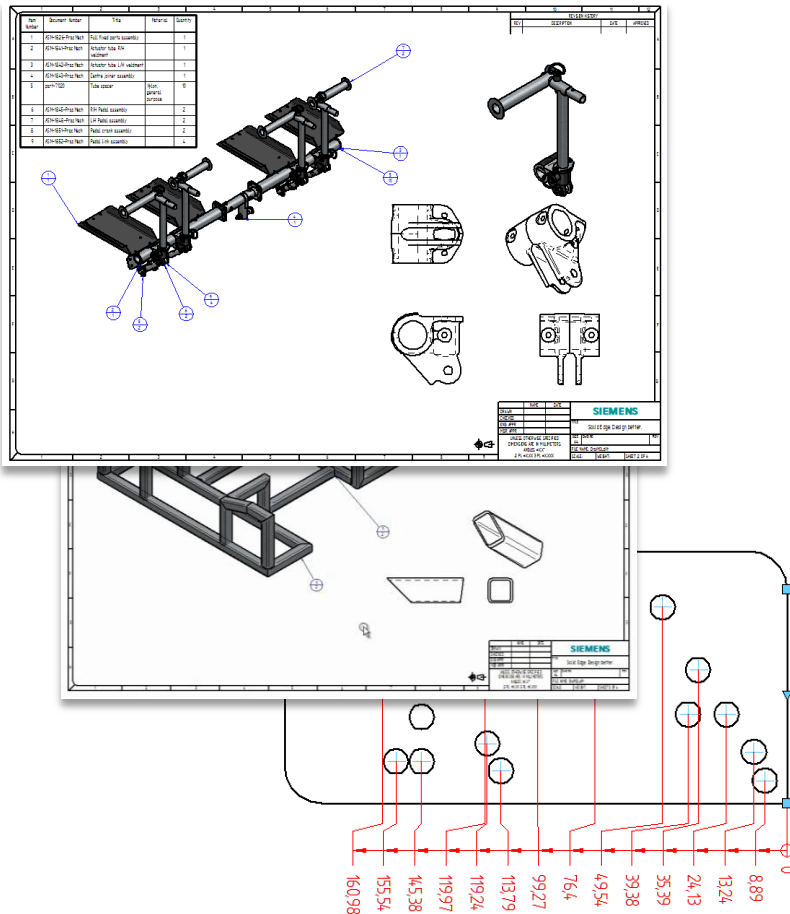
based on internal workflow testing





# 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

# Solid Edge ST7

Accelerate your 3D modeling

Beautiful  
photo-realistic  
rendering



## Solid Edge ST7

Accelerate your 3D modeling



### Beautiful photo-realistic rendering

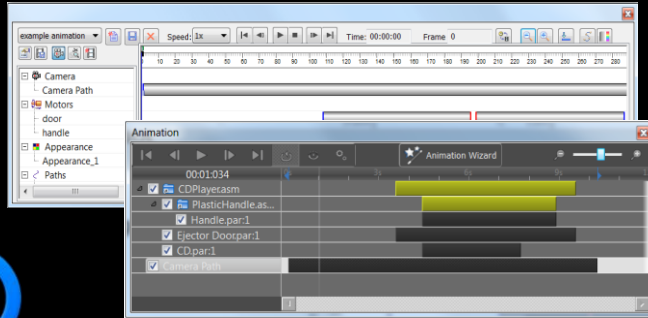
- ✓ Tightly integrated best-in-class technology, KeyShot
- ✓ Included with Solid Edge Classic and Premium
- ✓ One click from Part, Assembly, and Sheet Metal
- ✓ All Solid Edge Face Styles and Views transferred

# Solid Edge ST7

Accelerate your 3D modeling



KeyShot Cloud



## 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!



# Solid Edge ST7

Accelerate your 3D modeling



“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



## Solid Edge ST7

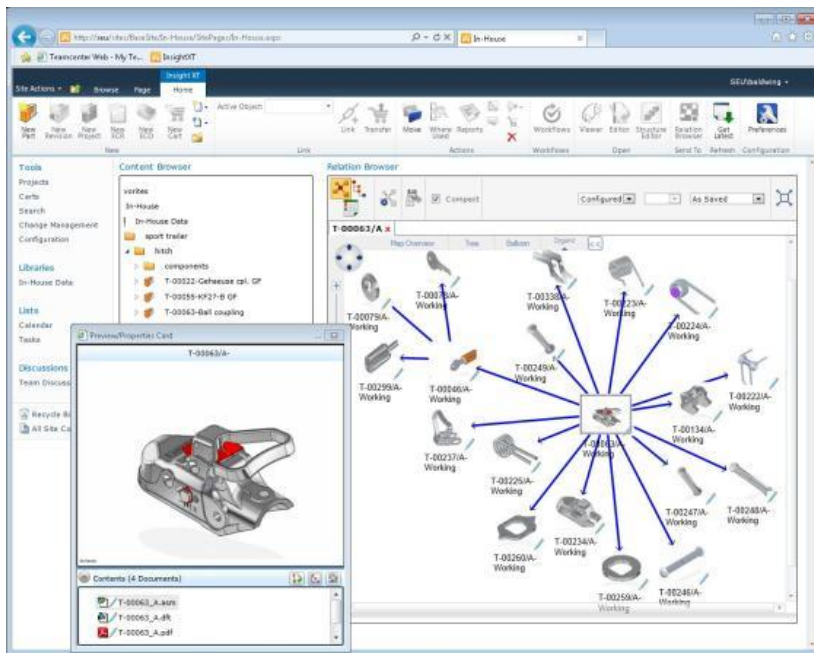
### **Streamline your design management**

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



# Solid Edge ST7

## Streamline your design management

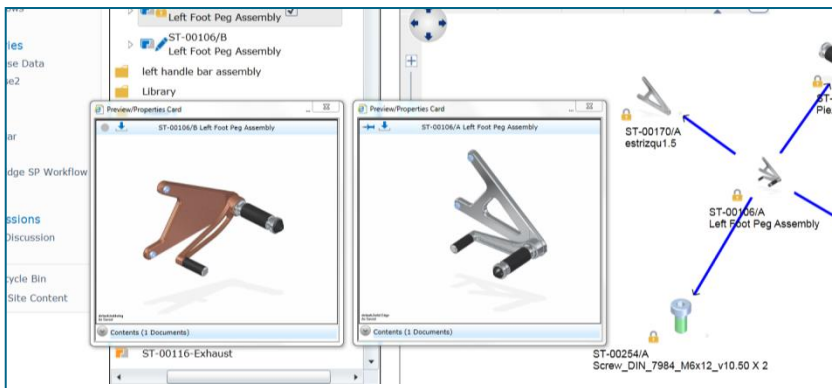


## Solid Edge SP

- ✓ 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



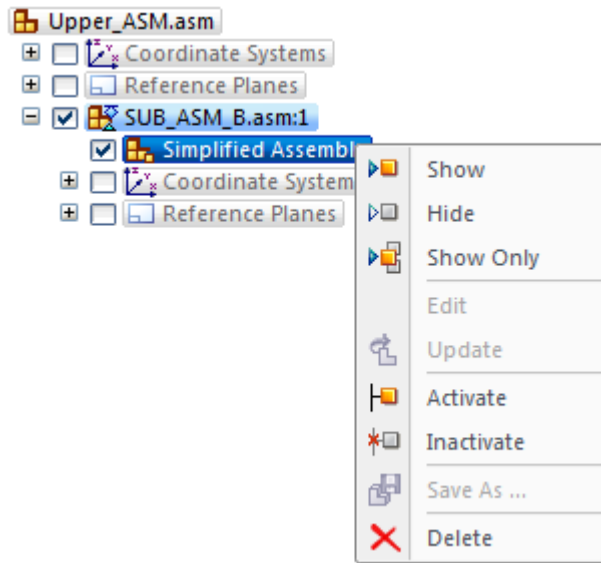
## Solid Edge SP

- ✓ 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

## Solid Edge ST7

### Power up with new apps

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

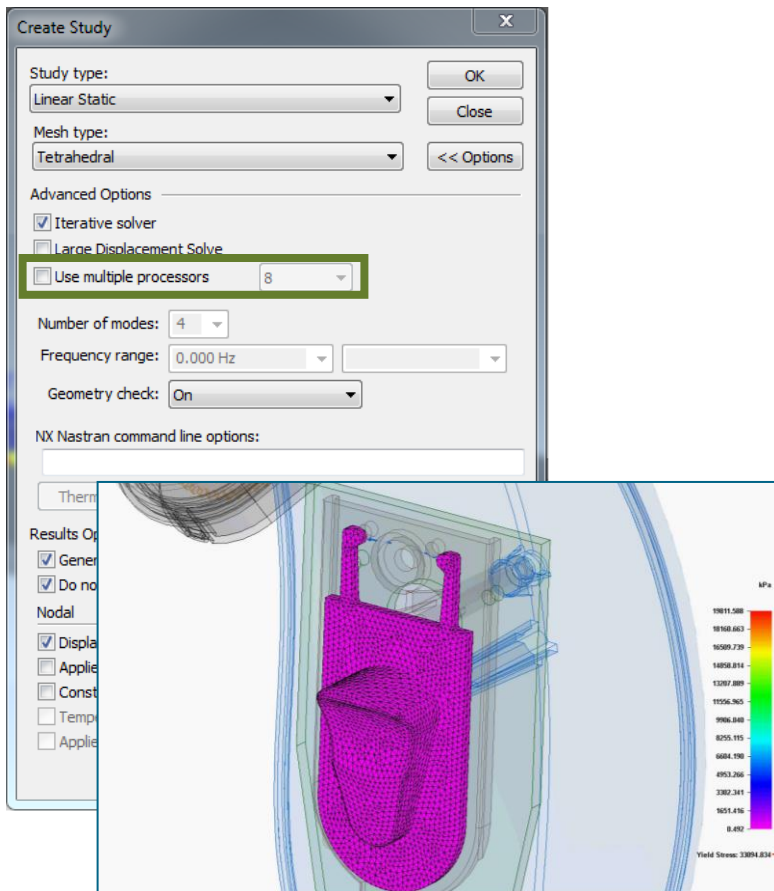


# Solid Edge ST7

## Power up with new apps

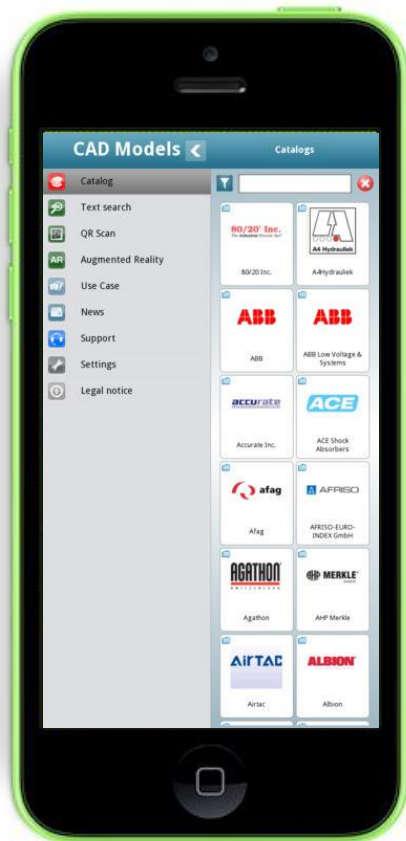
## Simulation

- ✓ Faster analysis results with multiple processor selection
- ✓ Global preferences of meshing and results display, across different analyses



# Solid Edge ST7

Power up with new apps

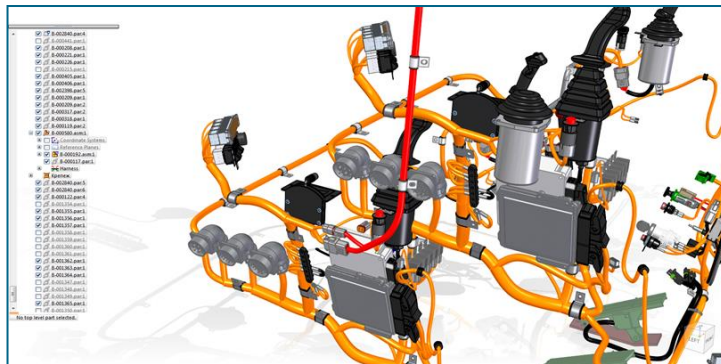
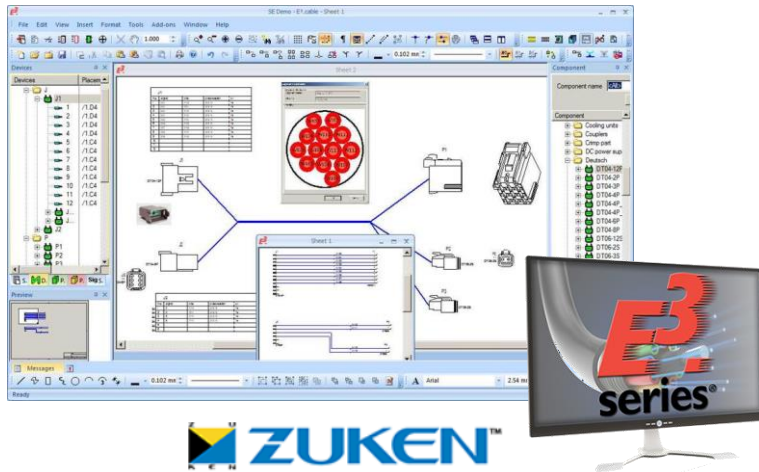


## Standard & Catalog Parts

- ✓ 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

# Solid Edge ST7

## Power up with new apps



## 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

# Solid Edge ST7

Power up with new apps

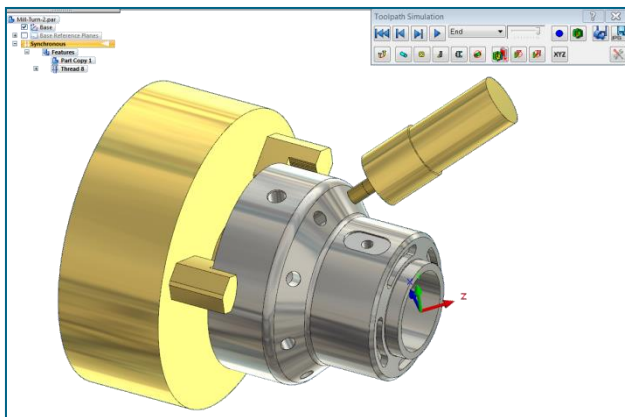
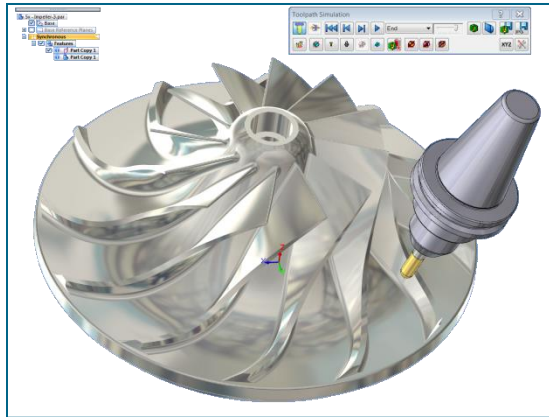


## 3D Printing

- ✓ 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

# Solid Edge ST7

## Power up with new apps



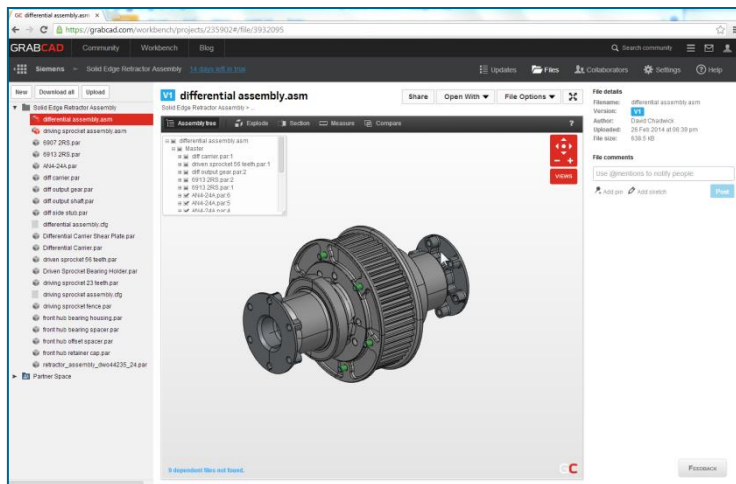
## Manufacturing

- ✓ 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

# Solid Edge ST7

## Power up with new apps

# GRABCAD



## 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



# Solid Edge ST7

Power up with new apps



## 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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**Streamline your design management**

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you



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*Greenpower electric vehicle courtesy of  
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