AUTODESK UNIVERSITY 2013

Top 10 Autodesk Inventor Apps for Under $100

Janna Spicer – Autodesk, Inc.

MA2059 Take a walk through the Autodesk® Exchange Apps store for Autodesk Inventor and see the most popular apps for under $100 in action. We present a mix of free, paid, and Autodesk apps that are sure to help any Inventor software user or CAD manager eliminate repetitive design tasks as well as create higher-quality designs. You'll see some fun apps too!

Learning Objectives

At the end of this class, you will be able to:

- Quickly find several great Inventor productivity-enhancing apps in the Autodesk Exchange Apps store
- Quickly use several great Inventor productivity-enhancing apps from the Autodesk Exchange Apps store
- Use the Autodesk Exchange Apps store to find immediate solutions to pressing needs
- Explain why the Autodesk Exchange Apps store is a safe place to get great add-on apps

About the Speakers

Janna Spicer *received her bachelor's degree in Electrical Engineering from Washington State University, and her master's degree in Management in Science and Technology from Oregon Health Sciences University. She is now the product manager for Autodesk Product Design Suite in Lake Oswego, Oregon. Prior to that, she managed diverse engineering teams to develop new products at a leading Test and Measurement company. Recently, she was named Volunteer of the Year for FIRST Robotics in Oregon.*

Janna.Spicer@autodesk.com

Jim Quanci *With more than 25 years of engineering and design experience, Jim Quanci has spent the past 20 years developing relationships for Autodesk with leading technology partners around the world. He oversees an international network of near 4000 software partners – third-parties who customize, complement and extend Autodesk desktop and web services based solutions.*

Along with founding the "Autodesk Developer Network", and current worldwide responsibility for software partnerships at Autodesk, Jim's experience working with Autodesk software partners includes stints managing partners in the Americas and Asia. Prior to Autodesk, Jim worked at Sun Microsystems and General Electric. With a BS in Mechanical Engineering and an MBA in International Marketing, Jim is a frequent presenter and consultant to leading design and engineering software firms on software development technologies.

Check out his "Dances with Elephants" blog. http://dances-with-elephants.typepad.com/

Jim.Quanci@autodesk.com

App #1: ThreadModeler

Get the App



The ThreadModeler tool has been developed to allow Inventor users to generate a realistic modeled equivalent thread based on an existing Inventor thread feature. Users are able to select an existing thread feature in the model, which the ThreadModeler then converts to a realistic 3D modeled thread based on the underlying thread feature properties. Modeled threads are accurately generated saving a lot of time and effort for the user when compared with a manual approach, bringing a higher degree of realism to your models while also making parts with threads directly printable with a 3D printer. The plug-in is provided with the complete source code needed to build the application, with the intention of encouraging users of Autodesk software to use programming to tailor the products they use to their specific business needs.

Cost	Free
Publisher	Autodesk
Download details	Download Size: 1.6 MB Language: English OS: Win32 and 64 Release Date: 12/2/2011 Last Updated: 6/6/2013 Version Info: 1.1.0
Customer Support	labs.plugins@autodesk.com
Compatible with	Autodesk Inventor 2013 Autodesk Inventor 2014

App #2: Publish Tool Lite

Get the App



Publish Tool generates the DXF files that cutting machines like! Generate DXF, DWG and STEP. Setup the layers for cut and etch lines. Configure the file names and store the files in different folders of material and thickness. Add the dimensions of the flat pattern to an iProperty field on each save or do this in a batch run for all parts in the assembly. Generate automatically the drawings of the selected sheet metal parts. After that generate the PDFs of the drawings and your package for cutting and bending is ready!

Cost	Free (or €195 for Pro version)
Publisher	Pepping Mechanical Design
Download details	Download Size: 1.4 MB Language: English OS: Win32 and 64 Release Date: 3/1/2013 Last Updated: 10/18/2013 Version Info: 4.2.0.0
Customer Support	support@matprop.com
Compatible with	Autodesk Inventor 2013 Autodesk Inventor 2014 Autodesk Inventor Professional 2013 Autodesk Inventor Professional 2014

App #3: CADtoEarth.Inventor

Get the App



CADtoEarth for Autodesk® Inventor® is part of a family of add-ins that establish a bidirectional connection between CAD environments and Google Earth or Google Maps.

What's New in CADtoEarth.Inventor 2.0 :
- CADtoEarth 2.0 now allows users to create personal accounts in the CADtoEarth web community and provides individual control over the visibility of uploaded data.
- Support Autodesk Inventor 2014.
- The imported surface is being imported with applied satellite imagery.
- Get buildings information directly from the Google Earth 3D layer.
- Select components to be exported to Google Earth (For Assemblies only).

Cost	Free
Publisher	AMC Bridge LLC
Download details	Download Size: 1.6 MB Language: English OS: Win32 and 64 Release Date: 7/29/2013 Last Updated: 9/17/2013 Version Info: 2.0
Customer Support	support@amcbridge.com
Compatible with	Autodesk Inventor 2013 Autodesk Inventor 2014 Autodesk Inventor Professional 2013 Autodesk Inventor Professional 2014

App #4: Autodesk ® Inventor ® Design Checker

Get the App



The Autodesk® Inventor® Design Checker is a productivity solution used to give the designer insight into the adherence of company or customer standards for the product being designed. Live Checking gives instant feedback to the user, as well as ensure a high level of quality for the entire design process.

Users can use pre-defined checks, or define custom checks with iLogic scripts to perform design checking. Executing the on-demand checking will update the design checker results, or enabling the live-checking will enable users to get the real-time feedback from the design checker during design process. The Design Checker Results Tree Browser allows users to interactively edit the objects with failed checks, and a Design Checker Results Report can show all the passed and failed check results, and allow users to export the report to Excel, Word or PDF, or print the report.

Cost	Subscriber Only
Publisher	Autodesk
Download details	Download Size: 9.5 MB Language: English OS: Win32 and 64 Release Date: 7/12/2013 Last Updated: 9/13/2013 Version Info: 1.0.1
Customer Support	rocky.zhang@autodesk.com
Compatible with	Autodesk Inventor 2013 Autodesk Inventor 2014 Autodesk Inventor Professional 2013 Autodesk Inventor Professional 2014

App #5: AutoDRAW

Get the App



With AutoDRAW you can automatically create IDW drawings of Inventor parts and assemblies. AutoDRAW can detect for which parts and assemblies you have not created drawings yet and can assist you to create those using a template you define. Select your main assembly and sit back while AutoDRAW runs through all the models in your design and create the missing drawings for you.

Cost	FREE
Publisher	Micrographics
Download details	Download Size: 1.7 MB Language: English OS: Win32 and 64 Release Date: 9/13/2013 Last Updated: 10/9/2013 Version Info: 1.0.4
Customer Support	ivtools@mgfx.co.za
Compatible with	Autodesk Inventor 2013 Autodesk Inventor 2014 Autodesk Inventor Professional 2013 Autodesk Inventor Professional 2014

App #6: Swift Prints for Inventor

Get the App



Swift Prints allows you to create templates for common printer configurations that you can quickly access later for one click printing of Inventor drawings.

Cost	$4.99
Publisher	CADToolbox
Download details	Download Size: 1.4 MB Language: English OS: Win32 and 64 Release Date: 2/28/2012 Last Updated: 8/13/2013 Version Info: 2.3.0
Customer Support	notify@cadtoolbox.com
Compatible with	Autodesk Inventor 2013 Autodesk Inventor 2014 Autodesk Inventor Professional 2013 Autodesk Inventor Professional 2014

App #7: collisions4Inventor

Get the App



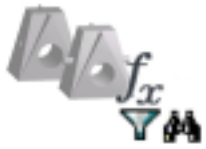
collisions4Inventor – An Inventor extension for analysis and treatment of collisions in the assembly.

Represented as a list and optionally filtered in storage place the found collisions can either be visualized by double-clicking or as multiple selection and are represented in the assembly as isolated objects. One achieves what can take up to hours or days within a few mouse clicks with the collisions4Inventor.

Cost	FREE
Publisher	HAFNER'S BÜRO
Download details	Download Size: 5.5 MB Language: English OS: Win32 and 64 Release Date: 1/2/2012 Last Updated: 7/20/2013 Version Info: 1.0.0
Customer Support	support@hafners-buero.de
Compatible with	Autodesk Inventor 2013 Autodesk Inventor Professional 2013

App #8: Where Used Parameter Manager

Get the App



Are you tired of searching parameters in the Inventor Parameter dialog box?

I was too. That's why I developed my own parameter manager dialog box and I wanted to share it with you. This application will allow you to filter your parameter list based on string keywords by showing only the parameters and expressions that contains the searched string. With this application, you will also be able to exchange parameters between files by import parameters and their existing formula from one part / assembly to another parts / assembly. You can also use this application to copy parameters lists from Inventor to Excel allowing you to print or save them. You will also be able to quickly create or purge multiples parameters.

Cost	$7.99
Publisher	Services Informatiques Benoit Larocque
Download details	Download Size: 1.6 MB Language: English OS: Win32 and 64 Release Date: 2/25/2012 Last Updated: 4/18/2013 Version Info: 1.0.0
Customer Support	bl@blarocque.ca
Compatible with	Autodesk Inventor 2013 Autodesk Inventor 2014 Autodesk Inventor Professional 2013 Autodesk Inventor Professional 2014

App #9: SmartInventor - Subtraction

Get the App

SmartInventor Subtraction lets you create your own assembly that can remove material on the part where you installed your component. Just imagine- you can have a part that needs an opening and holes for screws without the need to treat them separately. All you need to do is create an assembly with a part followed by a prefix name.

Cost	FREE
Publisher	Cansel
Download details	Download Size: 1.9 MB Language: English OS: Win32 and 64 Release Date: 9/18/2013 Last Updated: 9/19/2013 Version Info: 2013.9.17.13905
Customer Support	softwaresupport@cansel.ca
Compatible with	Autodesk Inventor 2013 Autodesk Inventor 2014 Autodesk Inventor Professional 2013 Autodesk Inventor Professional 2014

App #10: Hanna Partlist Tool

Get the App



There are three commands in this application: Re-Order Balloon, Customized PartsList and modify Title Block.
1) Re-Order Balloon: Change the Ballooning Number by selecting one by one and update the ITEM of BOM Structure automatically;
2) Customized PartsList: User can control the text fonts, size, row height, right/Wright distance of PartsList. You can divide the PartsList to several columns. The text will be automatically compressed if it's exceeding the width of units. User can get different ITEM rows with one row/two row/one row-two content.
3) Update Title Block: User can change the part/assembly iProperties directly from the title block.

Cost	FREE
Publisher	Shanghai Hanna Software Co,. LTD
Download details	Download Size: 1.5 MB Language: English OS: Win32 and 64 Release Date: 6/6/2012 Last Updated: 7/5/2013 Version Info: 4.0
Customer Support	support@uhanna.com
Compatible with	Autodesk Inventor 2013 Autodesk Inventor 2014 Autodesk Inventor Professional 2013 Autodesk Inventor Professional 2014