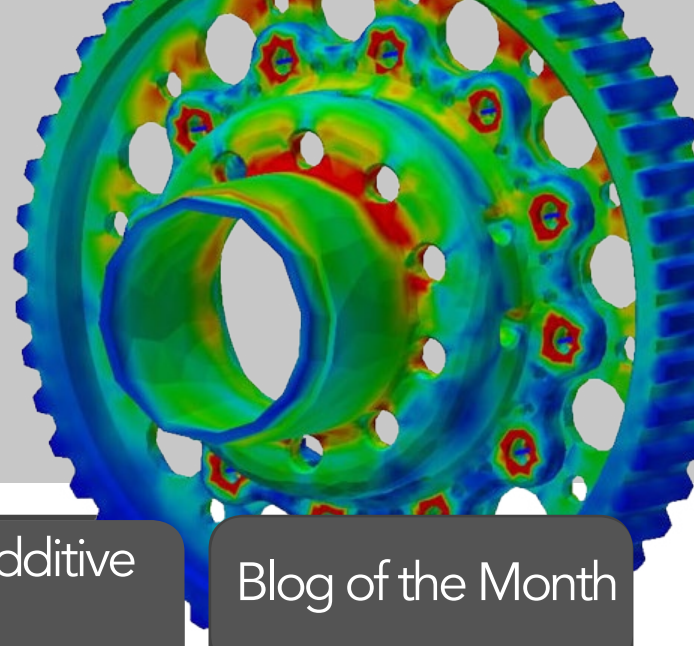
Issue 01 | August 2018

AbraCADabra™

3D News from TransMagic and Around the Industry

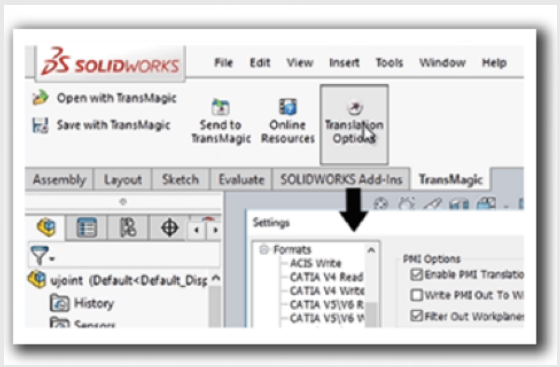


PowerPack for SOLIDWORKS®

More CAD formats & model repair from the SOLIDWORKS toolbar

TransMagic's PowerPack for SOLIDWORKS is an add-on for SOLIDWORKS that comes with every copy of Pro and Expert, and has the following benefits:

1. Adds new Read and Write capabilities to SOLIDWORKS. Additional format capabilities can broaden the number of customers you can work with, as well as provide additional translators when one translator fails to perform well. For example, if you run into trouble reading a complex CATIA model, you will be in a world of hurt, where the only viable option is to repair the model or ask for another format from your customer; but, if you have the PowerPack for SOLIDWORKS, you have access to a world-class CATIA translator which just could get the job done. It's always good to have options, and the PowerPack for SOLIDWORKS gives you powerful options. Additional formats include:



Read Formats
CATIA V4, V5, V6, CGR, DWG, DXF, Inventor, JT, Pro/E & Creo, Solid Edge, STEP, IGES, ACIS, Parasolid, TMR, UG & NX, SMS, Obj, STL & POD.

Write Formats
CATIA V4*, V5*, V6*, JT*, DWG*, DXF*, HOOPS HSF, HTML (WebGL), ACIS, Parasolid, STEP, IGES, POD, NGRAIN, Obj, STL, TMR & SMS.
* TransMagic Expert gives you the ability to write native CAD formats.

2. Provides you with up to date formats. Even if your SOLIDWORKS is a version or two old, the PowerPack for SOLIDWORKS gives you access to the latest formats and versions.

3. Gives you built-in TransMagic Lite and Full Repair. The PowerPack for SOLIDWORKS comes with TransMagic Pro and Expert, and just as in those products, you have Lite Repair built in to every copy; the PowerPack for SOLIDWORKS will stitch surfaces watertight as it's opening the file, leading to more valid solids and less rework. If you have the MagicHeal add-on, you also have access to Full Repair, which can tweak CAD geometry to solve more complex modeling and translation errors.

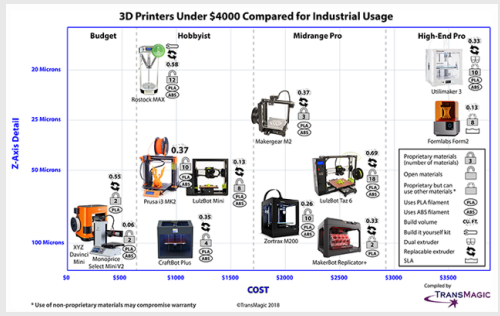
4. Gives you easy access to TransMagic standalone. From inside of SOLIDWORKS, you can select any part and click 'Send to TransMagic' to open it in TransMagic standalone. Once in this environment, if you have the MagicHeal add-on, you can automatically cover openings in a part to convert them to watertight solids.

Click HERE to watch a 2-minute overview video for the PowerPack for SOLIDWORKS.

What's New in Additive Manufacturing?

Jabil Using 3D Printers
Does an 80% reduction in delivery time, and 30-40% reduction in cost sound good? Those are the kinds of returns Jabil, a leading manufacturing company, has seen since adopting the Ultimaker 3D printer for tooling, jigs and fixtures. Read more about it HERE.

3D Printers Under $4000 Compared for Industrial Usage



Speaking of the Utilimaker, it wound up at the top of our evaluation where we compared the top 12 3D printers under $4000; find out why the Utilimaker finished first, and what criteria you should look for in a 3D printer. Click HERE to learn more.

Blog of the Month

If you've ever needed to know the X,Y&Z extents of a CAD model, bounding box is your answer; select the part, click the button and you're done!

A semi-transparent bounding box will envelope your part and display overall dimensional values. But sometimes your part is skewed and you want the bounding box to follow the part's orientation.

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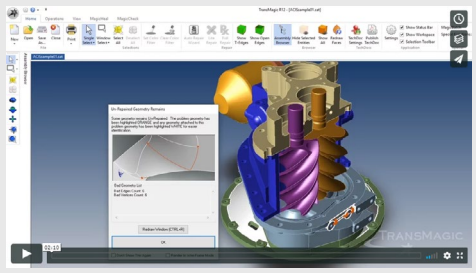
This contingency is covered as well in this latest article – find it HERE.

New Videos for Self On-Boarding

We have recently created a series of videos to help new users get acquainted with the breadth of TransMagic's functionality. Experienced users may also find these videos helpful for understanding areas of TransMagic that they do not normally use.



Topics include:

- 3D CAD Files: Translate – Validate – Diagnose – Repair
- Extend the Use of Your 3D Models to Estimating and More
- Diagnose Problems & Repair 3D Geometry – Quickly & Easily
- MBD: The Easy Way
- Selecting the Best 3D Format for Exchange
- Model Comparison – Know What Has Changed

Click HERE for all of the lessons.

Check Us Out On:

TRANSMAGIC

Free 7-Day Trail with On-Boarding

Click Here