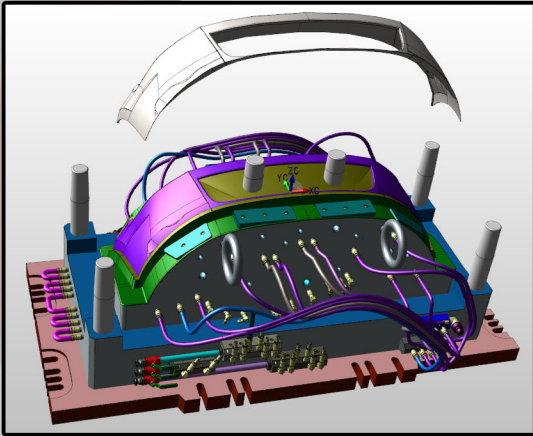


KEYCREATOR® 2015

What's New



V13.5

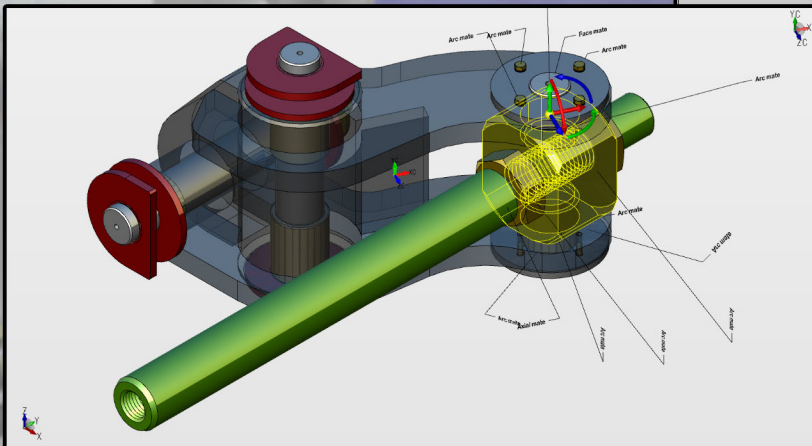
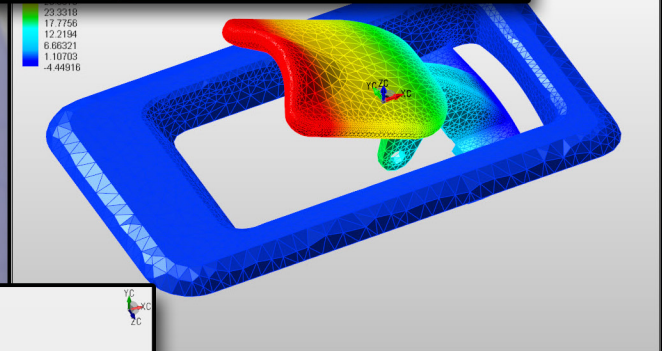
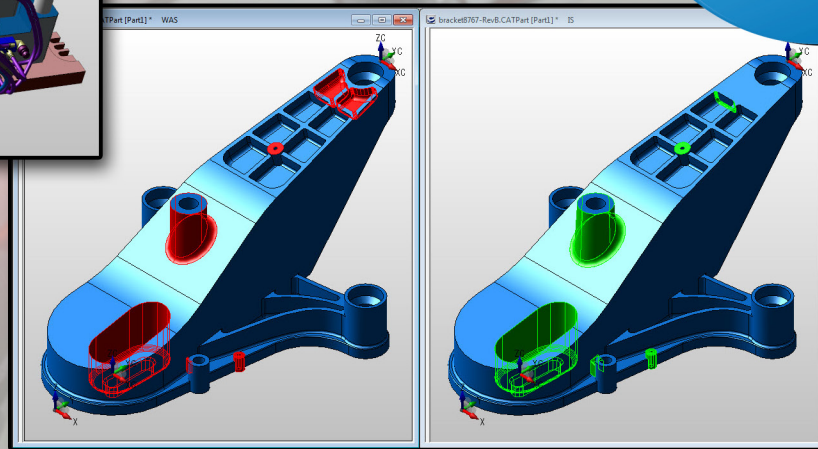


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Benefits

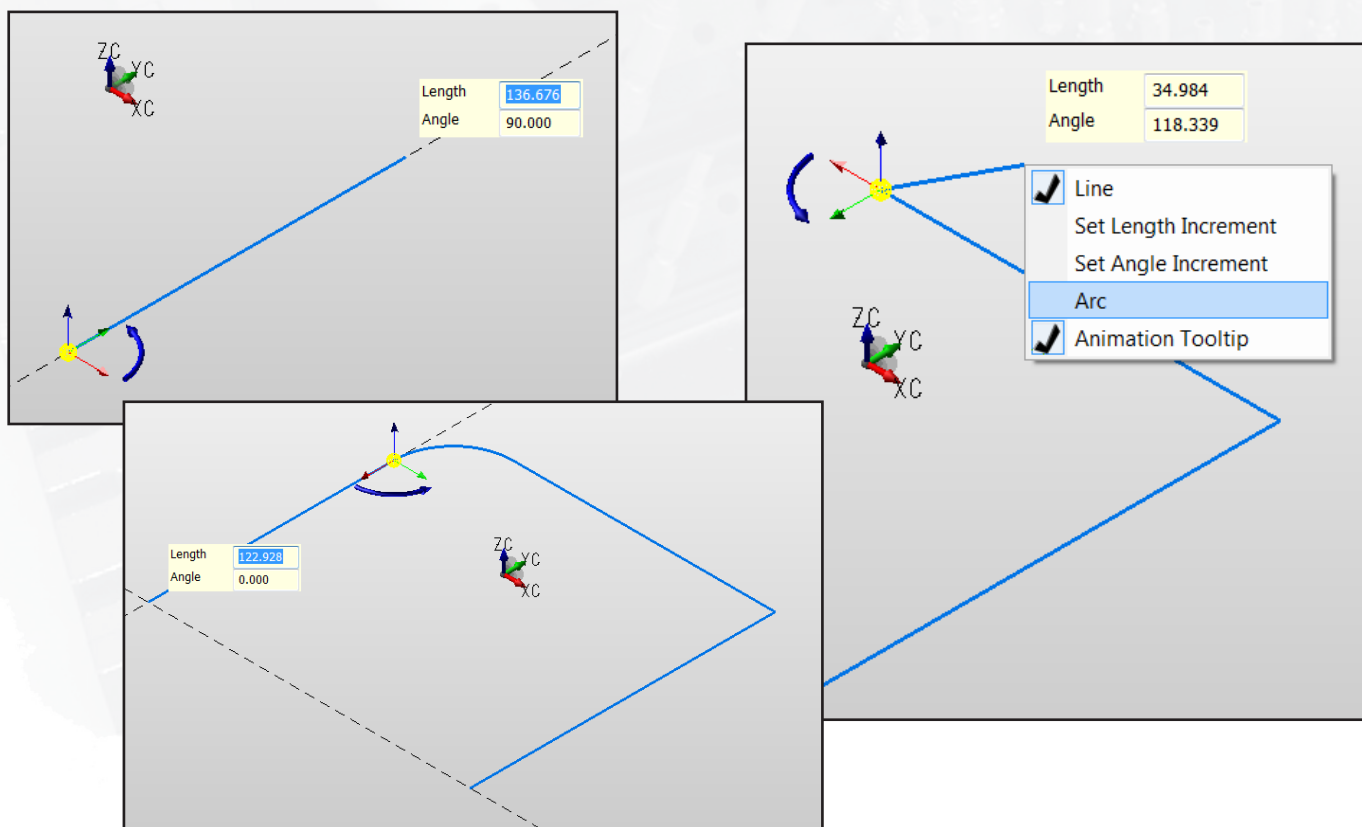
The most recent release of KeyCreator 2015 version 13.5 adds several new features and functions for improved ease-of-use and better design conceptualization and manipulation. Many customer-driven enhancements also provide the productivity and flexibility that KeyCreator Direct CAD is known for.

The efficient design-to-manufacture prowess and legendary CAD data reuse of KeyCreator is further enhanced in this release with new design data import options and updated file reading capabilities.

DynaSketch

New dynamic 3D sketching capabilities offer KeyCreator users another option to create complex, irregular shapes quickly. KeyCreator users typically start with primitive solids and Boolean them together to begin modeling such shapes. Now, with the addition of DynaSketch, users can quickly start with a sketch in either 2D or 3D mode. Shapes can be extruded and values can be changed or added on the fly.

- Based on DynaHandle tools
 - Align
 - Tooltip inputs
 - Context Menus
- Quick and easy way to create line and arc geometry
- Set length and angle snap increments to use during dynamic movement

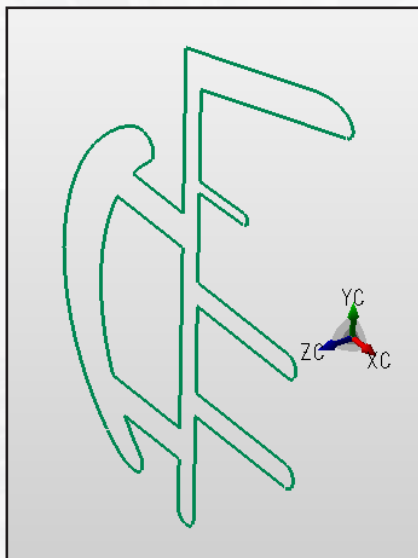


New Dynamic Create & Edit Tools

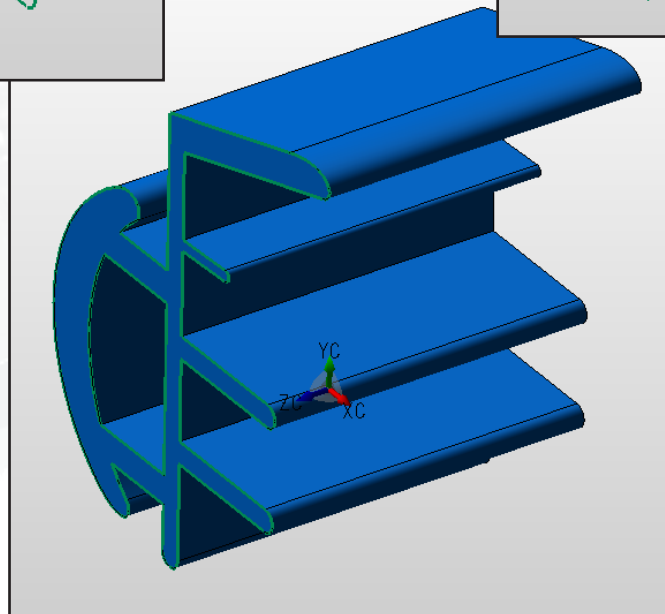
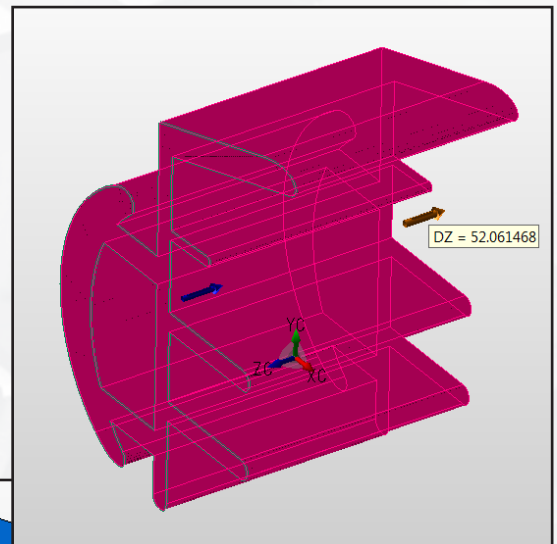
New Dynamic Editing Tools, including an enhanced DynaHandle, can be used for more flexible dynamic creation and modification.

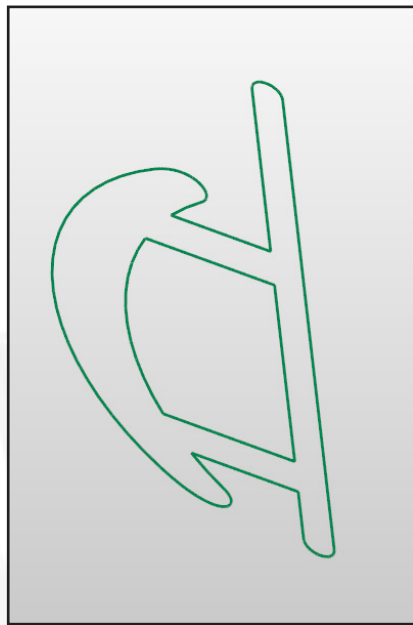
Users can create shapes as they move their mouse, choose to type in values or snap to other objects to build their geometry. The tools allow users to drag geometry in one direction or multiple directions at the same time via the DynaHandle

- Extrude
- Extrude Face
- Revolve
 - Change centerpoint or angles on the fly to dynamically move the part
- Revolve Face
- Tabulated Cylinder
 - Users can use the DynaHandle to drag geometry in one direction or multiple directions at the same time.
 - Makes creating features such as parting lines much easier

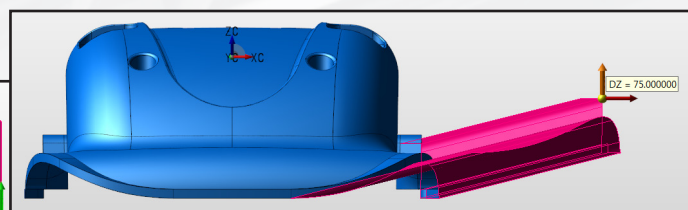
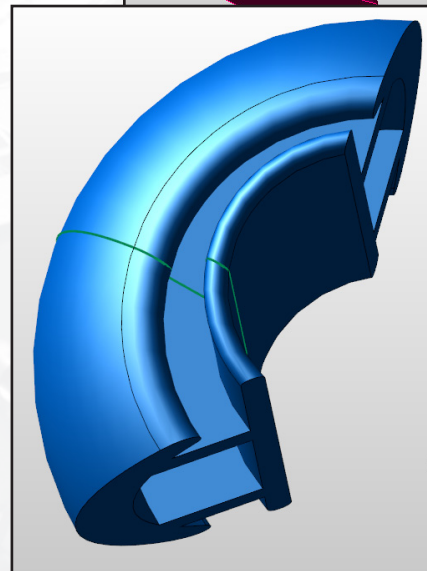
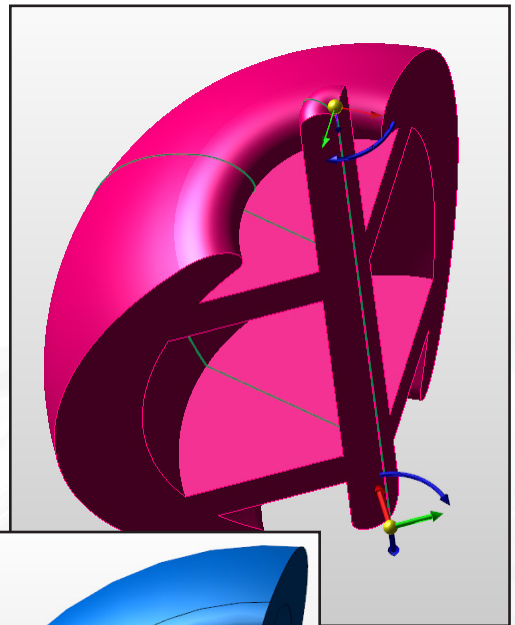
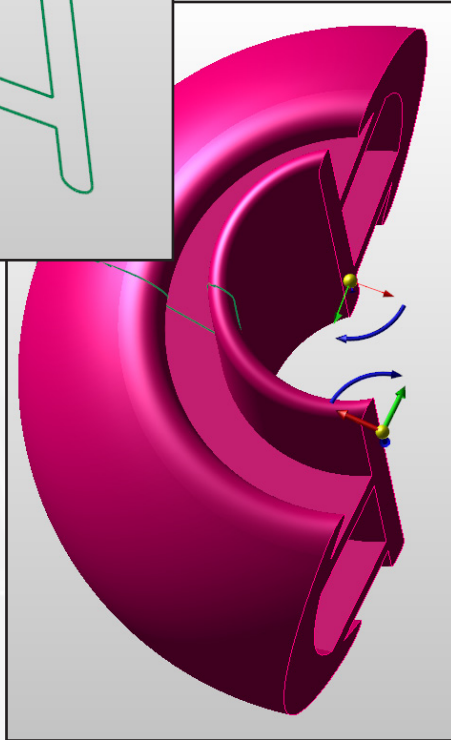


Extrude





Revolve



Tabulated Cylinder

Quick BOM

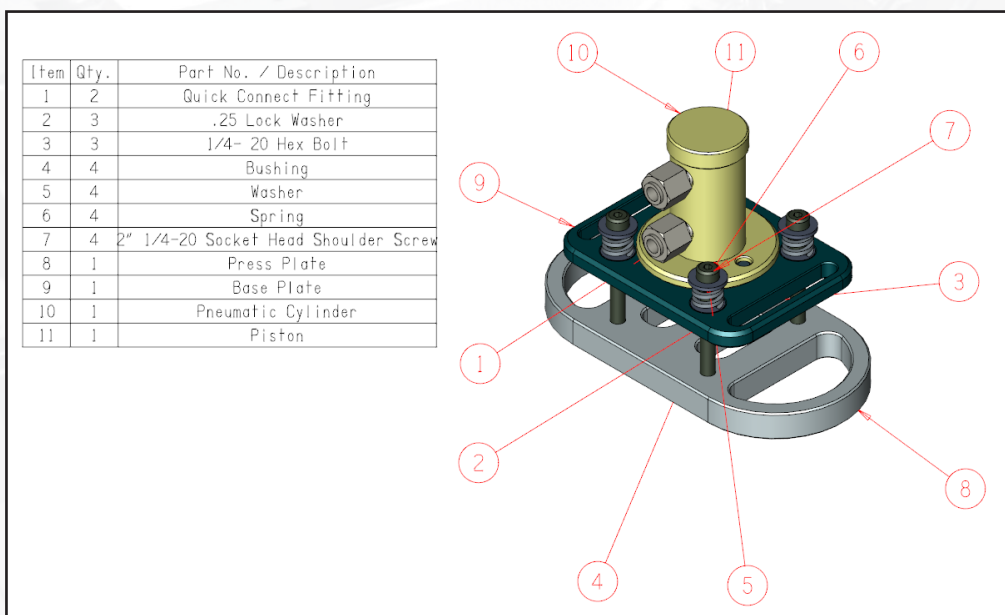
A new Quick BOM makes creating a Bill of Materials a snap by reducing the number of steps to generate a populated BOM.

A Quick BOM can be created using predefined templates or user customized templates.

Balloon placement options

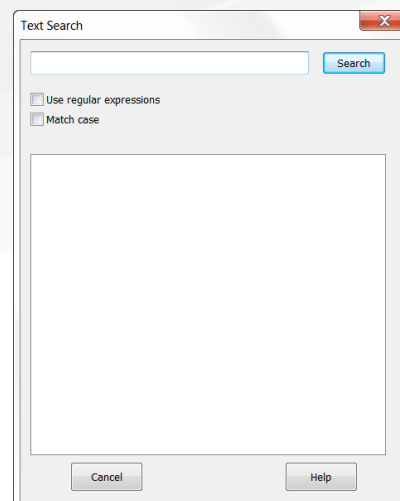
Conversation bar prompts for:

- Objects to be included in BOM
- Table placement location
- Balloon attachment position
- Balloon placement location



Text Search for Drawings

Users can use the new Text Search to find a word or string of values within a part and all its associated layouts. Text Search options include general, match case and regular expressions and results are made available for any active part.



Interoperability

KeyCreator continues improvements on its extensive import capabilities with several interoperability updates.

2D Drawing Translators Option

A new, optional file translator package is available for the import of native of 2D/Drawing formats:

- CATIA 4 (.model, .mod, .dlv, .exp)
 - o Versions 4.15 to 4.24.
- CATIA 5 (.CATDrawing)
 - o Versions R7 to R24.
- Pro/ENGINEER / Creo (.drw)
 - o Versions Pro/ENGINEER 2000i to Creo 3.0.
- Unigraphics / NX (.prt)
 - o Versions Unigraphics 10 to NX 9.
- Solidworks (.slddrw)
 - o Versions 1999 to 2015.

CATIA V5 R25

- V5 R25 is also known as V5-6 R2015 or R2015x
- Support for CATIA 5 Piping
 - o Import "Light" piping, BREP & piping attributes created via CATIA 5 Piping workbench

Parasolid

- Read and Write extended to 27.0

Pro/ENGINEER, CREO

- Read for CREO files has been extended to Creo 3.0

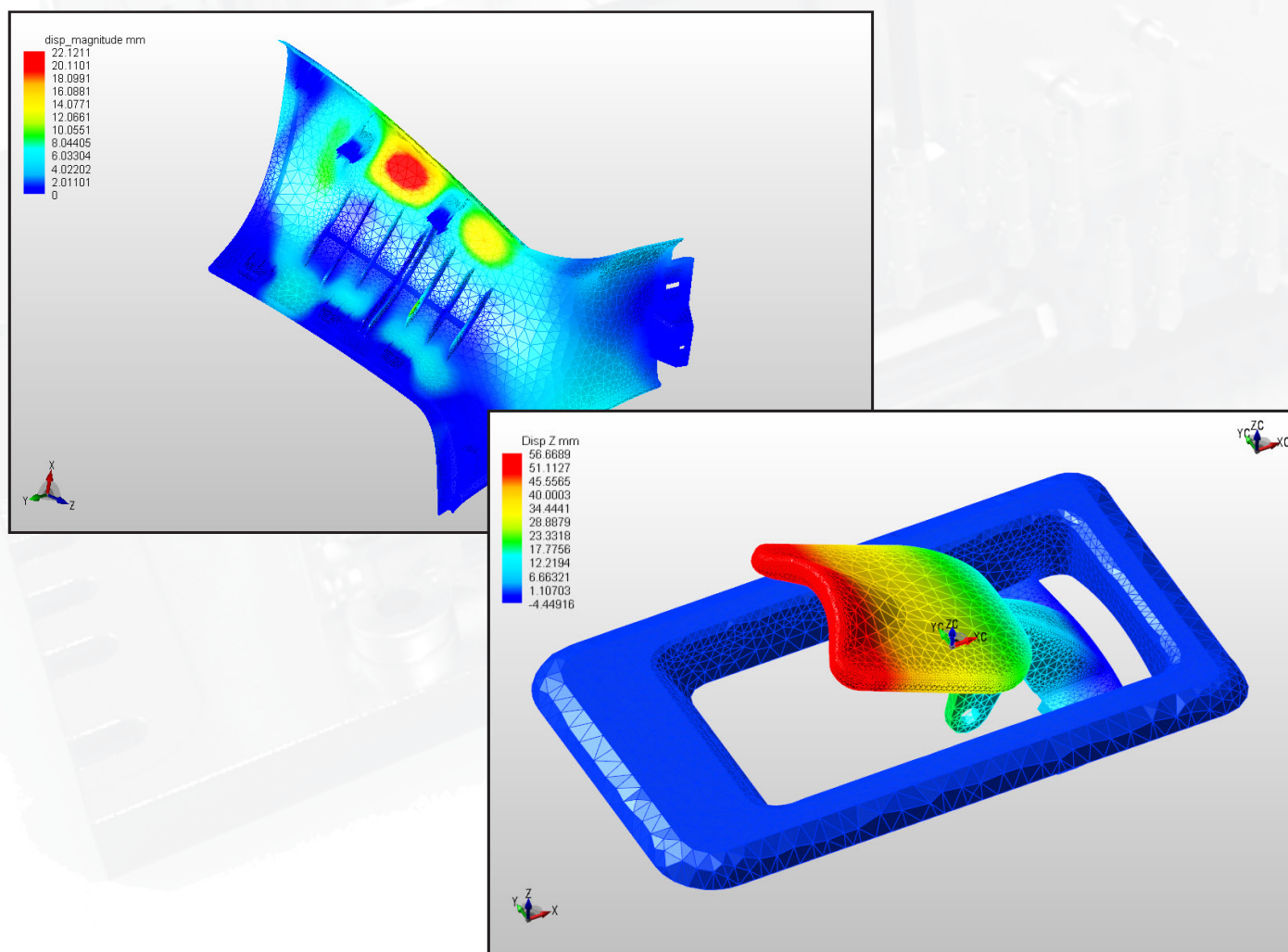
Support for NX/Unigraphics assembly cut feature

Many new improvements and customer-driven updates have been added to the optional FEA/ Simulation package for KeyCreator. KeyCreator Analysis contains improved meshing technology, making it easier to create a quality mesh and improves reliability, even with bad geometry. An enhanced shell analysis improves accuracy even at low mesh density and several display improvements increase the power of this multi-physics FEA tool.

Additionally, any existing KeyCreator customer with the current KeyCreator 2015 version 13.5 or higher will be eligible for a free 30 day trial of the full KeyCreator Analysis package. The trial includes all levels of analysis up through our top end solution, Simultaneous Expert with Dynamics. This package level includes multi-physics, buckling, frequency, large deformation, automatic contact, non-linear materials and more.

After the trial period is complete, users will continue to be able to run all features of KeyCreator Analysis with a reduced mesh size limited to 2000 nodes.

KeyCreator Analysis will continue to work for one full year following the date of trial activation.



Spectrum Viewer Updates

The companion Spectrum Viewer product is now available in four different versions.

Spectrum KeyCreator

- This free, downloadable Spectrum version reads all KeyCreator versions. Spectrum CADKEY
- This version, available on the Kubotek webstore reads legacy CADKEY files and all KeyCreator versions. Free, 3-day trials are available

Spectrum Viewer

- Reads legacy CADKEY files and all KeyCreator versions, plus
- Reads over 2 dozen native and standard formats including Solidworks, NX, CATIA 4, Inventor, STEP, IGES and many others
- This version is available on the Kubotek webstore. Free, 3-day trials are available

Spectrum Viewer with CATIA V5

- Reads legacy CADKEY files and all KeyCreator versions, plus
- Reads over 2 dozen native and standard formats including Solidworks, NX, CATIA 4, Inventor, STEP, IGES, plus
- CATIA V5
- This version is available on the Kubotek webstore. Free, 3-day trials are available

Optional 2D/Drawing Translator Package

- The optional 2D/Drawing Translator package is also available for Spectrum Viewer for the reading of native 2D/Drawing files

Other Features and Improvements

A full list of customer-requested enhancements, added features and improvements can be found on the Kubotek Support Site under Release Notes.

KUBOTEK®
MASTER YOUR GEOMETRY

Kubotek USA, Inc.

2 Mount Royal Ave. Suite 500, Marlborough, MA 01752

Phone: 800-372-3872

www.kubotek3d.com

sales@kubotekusa.com

