



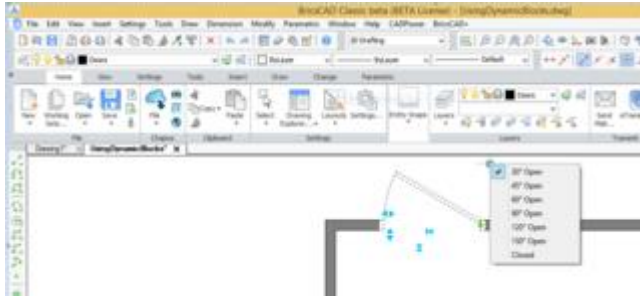
General Features

BricsCAD V15 is packed with a lots of new features and fine tweaks that improve usability and enhance productivity.

- BricsCAD now sports a ribbon user-interface also. See below section called ***BricsCAD Ribbons*** to view how V15 ribbons look like.

Configurable for 3rd party applications!!

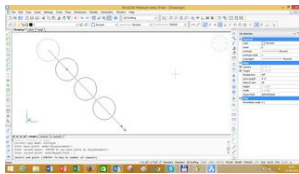
- Workspaces: now allow you to setup your UI components for 2d, 3d, Mechanical & look-and-feel
- **Material Density property for components:** It is now possible to assign a material density to the entire component. A new command called BMASSPROP now generates mass properties for the entire assembly. Earlier, this was possible only at the part level.
- ASSEMBLY DESIGN: introduced parametric components. Parameters defined in a component file can be changed in a higher level assembly maintaining the link to the source component definition.
- HOT KEY TIP: a QUAD-like assistant widget provides options controlled by Ctrl Key. Controlled using the new 'Tip' field in status bar. Ctrl key. The assistant widget appears to make sure this interesting feature does not go unnoticed.
- Dynamic blocks now can be edited in-place using following grip types:
 1. Point
 2. XY
 3. Linear
 4. Polar
 5. Rotation
 6. Flip
 7. Visibility



New commands: HIDEOBJECTS, ISOLATEOBJECTS and UNISOLATEOBJECTS

- HIDEOBJECTS: hides the selected objects.
- ISOLATEOBJECTS/ISOLATE: hides all but the selected objects.
- UNISOLATEOBJECTS/UNISOLATE/UNHIDE: unhides objects that were hidden.

A REPEAT option has been added to the COPY command. This allows you to make one copy of selected entities and repeat the copy operation in the same direction automatically.



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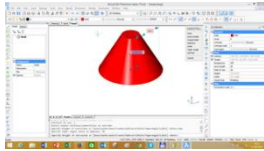
- Multiple drawings can now be displayed in tabs.

The ShowDocTabs setting controls whether a tab is displayed for each opened document. Its location can be specified as well.



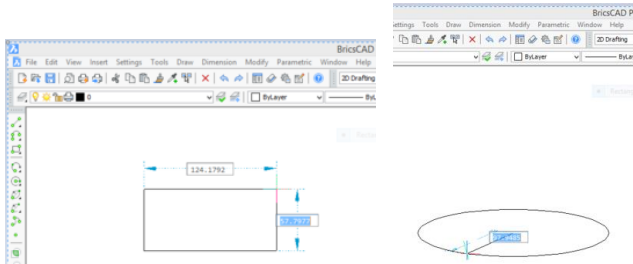
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- The DMEXTRUDE command now has a Taperangle option to create tapered extrusions.



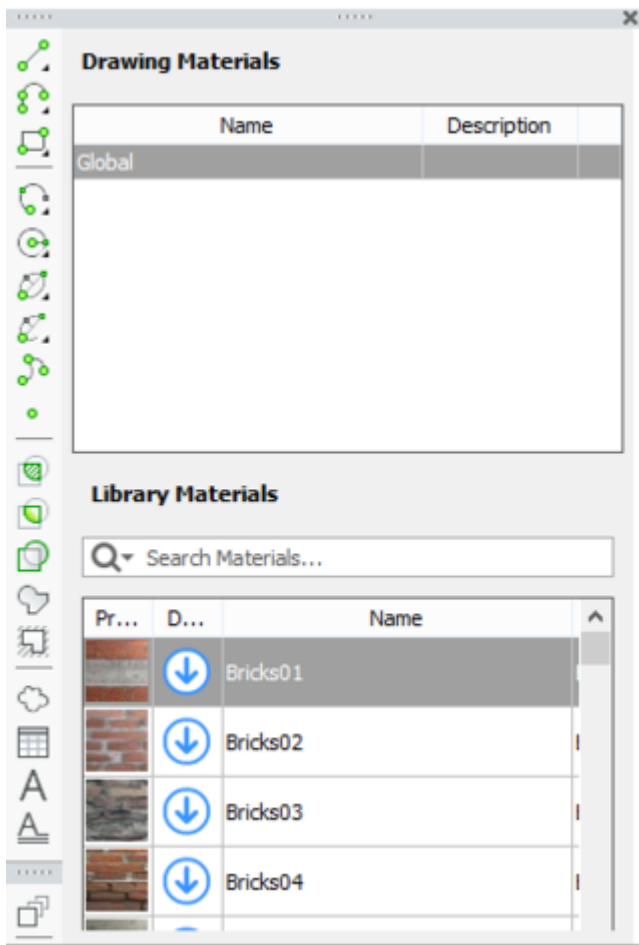
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- Dynamic dimensions added to the RECTANGLE, MTEXT, BOX, CYLINDER, SPHERE, AI_SPHERE, WEDGE and CONE commands.



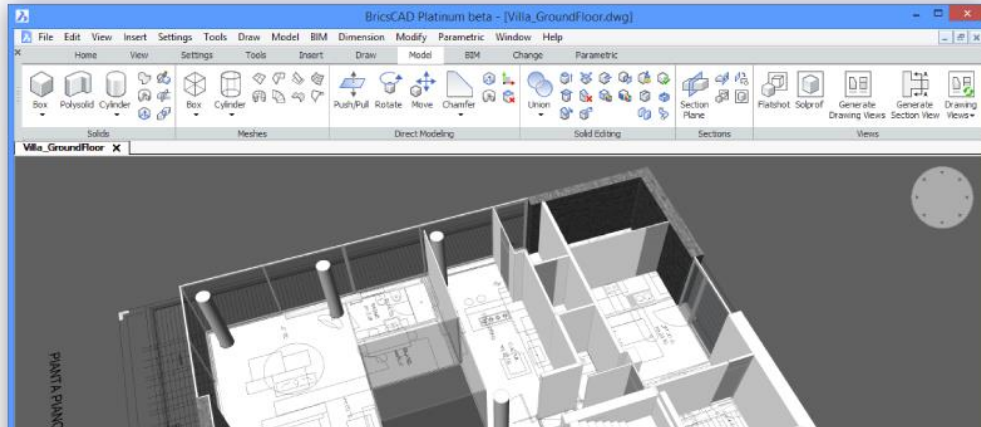
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- One of the hidden gems in BricsCAD is the ability to have fine-tuned control of the program using a whole lot of BricsCAD-only system variables. V15 extends this further by adding a number of additional variables.
 0. ANTIALIASRENDER and ANTIALIASSCREEN system variables control the amount of anti-aliasing during rendering.
 1. DELETETOOL: system variable to control whether 'tool' entities (subtracted entities) used during the SUBTRACT command are deleted or retained.
 2. DMEXTRUDEMODOE: system variable which determines whether DMEXTRUDE and DMREVOLVE commands create new solids or do boolean union when their 'Auto' option is used.
- Using real-world materials in rendering has gotten significantly easier. The New Render Material Library offers a palette of hundreds of materials that can be downloaded on demand.



The MATBROWSEROPEN command provides easy access to the Materials library. In general, using Materials is a lot easier now.

BricsCAD BIM



Yesterday was the [world-wide public release](#) of BricsCAD V15. Every year, Bricsys focusses on a theme or technology and introduces a new game changer to the .dwg CAD world.

In the last 3 years, we have seen innovations like Direct Modeling, Cloud enabling (Chapoo), QUAD Editing, Linux & Mac OS X support, Communicator, Sheet Metal, 2d/3d Constraints & more which are truly an industry-first for a .dwg platform.

This year, Bricsys presents **BIM or Building Information Model** on the .dwg platform, starting BricsCAD V15.

Exactly one year abck, Bricsys CEO Erik de Keyser told me, "*BIM is in our roots. We architected and created the Microstation Tri Forma product way back in 1996. It is time to do it again.*" Today, they have delivered on that promise.

BricsCAD BIM

Combining the accuracy of the .dwg platform with the ease of use of your typical sketch program.

All architectural designs start with conceptual planning. Typically, architects used Google Sketchup, gave form and mass to the elements and visualized the designs. Then, the whole design was re-done in a .dwg platform. Unlike other BIM software or sketching program, BricsCAD is the first .dwg based native BIM application. You can now do everything in BricsCAD itself.




BIM is not the only thing that is going to excite architects. Bricsys also plans to release BricsCAD on Mac OS X in November 2014. This is truly what architects have been asking for long.

BricsCAD BIM

BricsCAD BIM synchronizes all 2D sections, plans and details with the 3D model.
It comes with more than 600 downloadable rendering materials.
The BIM feature set is included in BricsCAD Platinum.

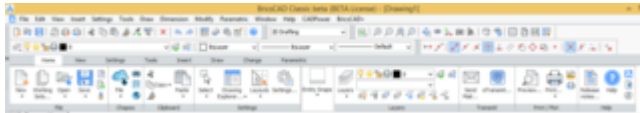
BIM in BricsCAD functions fully within the Platinum version and is tightly based on the Direct Modeling and 3d constraints technology. Bricsys designers borrowed technology meant for mechanical modeling, wrapped it up in tools and lingo that architects understand, and created a sophisticated sketching, modeling and design-drafting software that is mathematically accurate to dimension, and easy enough to use.

Bricsys BIM designers wanted to keep the BIM entities generic. Instead of using BIM custom entities for walls, slabs beams etc., each with their own restricted behavior and properties, they opted a maximum flexibility design. Any 3D Solid can be used in a BIM model, whether created by BricsCAD, or even imported from 3rd party software.

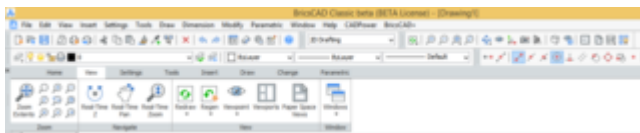
		
<h4>Walls</h4>	<h4>Windows</h4>	<h4>Hide</h4>
<p>To design a wall, just draw the footprint of it and pull it up for the right height, or enter dimensions interactively. You can modify its positioning or dimensions.</p>	<p>To add windows in a wall, choose one from the library or create your own design using the BricsCAD Direct Modeling and constraint features.</p>	<p>You no longer need to go to your layer settings and manipulate things by switching on and off some layers. In BricsCAD BIM you can hide or show things instantly.</p>

BricsCAD V15 Ribbons

2d Drafting Workspace



The Home Tab



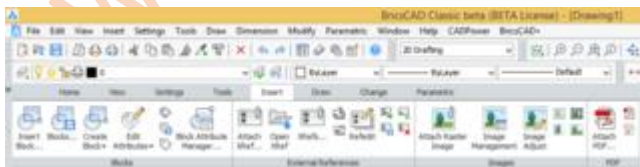
The View Tab



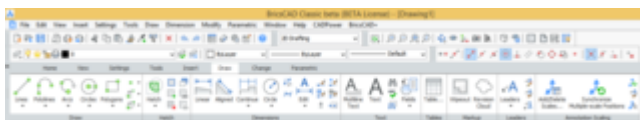
The Settings Tab



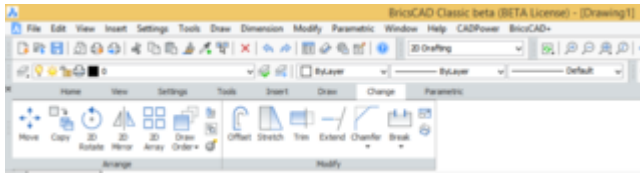
The Tools Tab



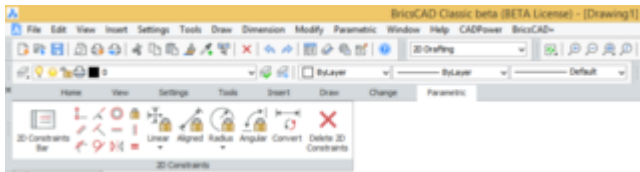
The Insert Tab



The Draw Tab

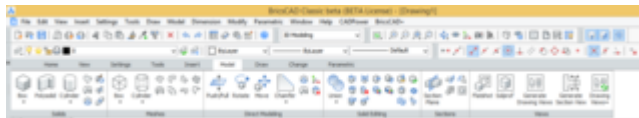


The Change Tab



The Parametric Tab

3d Modeling Workspace



The Model Tab



The Parametric Tab in 3d modeling workspace

Mechanical workspace



The Assembly Tab



The Sheet Metal Tab

BIM workspace



The BIM tab

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