Welcome to CorelCAD 30 Day Trial Version

Thank you for installing this 30 day trial version of CorelCAD. CorelCAD is a 32-bit design tool that allows easy, accurate modeling of real world objects in 3D. A fully customizable interface and the industry-standard ACIS solid modeling system will give you the flexibility to conceptualize, construct, and revise product models and prototypes on the PC. Powerful Boolean operations, as well as blending, extrusion and 2D drafting features will help make your ideas a reality. Advanced rendering capabilities let you render models with realistic shading and textures.

This trial version was designed to give you, the CorelDRAW user, an introduction to the powerful tools in CorelCAD. You will have full access to CorelCAD, Corel Print Space, CorelSCRIPT, the help files, sample drawings, and sample scripts for a period of 30 days from the time you installed this version. After this time, the program will be disabled. This trial version can only be installed once on a system. We hope you will take the opportunity to see what CorelCAD can do for you.

To order the full version of CorelCAD, please contact our Customer Service department at the numbers printed on the top surface of the CorelCAD Trial Version CD.

Why use CorelCAD?

If you're an experienced CorelDRAW user, you know the quality of art that can be produced using the program. With CorelDRAW you can create all kinds of illustrations, including technical drawings. You might feel that CorelDRAW meets all of your needs, and wonder what CorelCAD can add.

Use CorelCAD to create precise 3D models

CorelDRAW is a 2D drawing program. With it you can create art that appears to be 3 dimensional by using drawing, light, and shading effects to give the appearance of depth. Your finished product is the printed drawing.

CorelCAD is a precision 3D modeling program. With CorelCAD, you are not creating drawings, you are creating virtual models. You can create solid models that have volume and mass, then view them from any perspective. You can apply materials to a model and then, with a click of the mouse, have it rendered with light, reflection, transparency, and shadows. For example, if you apply a wood material to an object, it will be rendered with the color, grain, texture, and reflective qualities for the wood you selected.   Although you can create impressive illustrations with CorelCAD, your finished product is not an illustration, but a 3D computer model.

If you are designing objects that ultimately will be manufactured, CorelCAD provides you with more information about your design and a testable model. It provides data that can be used in Computer Aided Manufacturing to produce the final product.

Let CorelCAD   help you with your CorelDRAW art

CorelDRAW objects can be moved into CorelCAD using Copy and Paste, or by exporting to WMF, DXF or other file format that can be imported by CorelCAD. Once the object is moved to CorelCAD it can be scaled, converted from a wireframe to a surface model,   and extruded to create a 3D solid model.

You can export a CorelCAD model as a WMF file (Windows Metafile) then import it to CorelDRAW as either a wireframe or hidden line drawing. You can then ungroup it and change any of the lines in the drawing. Therefore, if you want to create a perspective drawing of an object, you can quickly create an accurate model of the object in CorelCAD, then move it to your CorelDRAW drawing.

You can also apply photo-realistic rendering to a CorelCAD model, and export it as a bitmap. You can then import the bitmap to CorelDRAW where you can crop it, size it, and apply filters.

If you know CorelDRAW it is easy to learn CorelCAD

When you start CorelCAD, you'll   notice it has the same look and feel as CorelDRAW. You'll see familiar features such as the Color Palette, tool bars, flyouts, the Status Bar, and Roll-Ups. The following table summarizes some of the differences between CorelDRAW and CorelCAD

CorelDRAW	CorelCAD
A drawing program for creating illustrations. The illustration is the final product.	A 3D precision modeling program for creating virtual models. Although the model can be viewed or printed from any perspective, the final product is a 3D model that exists on the computer.
You create your drawings in 2D space. Although you can create the illusion of 3 dimensions, you always work on only two axes, the x and y.	You work in 3D space using the x (width), y (depth), and z (height) axes. To move the cursor on the Z axis when you are in Perspective or another 3D view, hold CTRL + SHIFT while moving the mouse.
Your drawing can be viewed only from one perspective. If you want to show another perspective you must create another drawing.	You can view your model from any perspective. For example, you can create a printout showing the front of your 3D model, then change the view and create a printout showing the back, side, or any other perspective.
To render your drawing you work with lines and fills.	To render your model you apply materials, then use the Shade command to display it with texture, light, shadow, and reflection. For example, if you apply the material "Mahogany" to an object, it will be shaded with the texture, grain, and reflective qualities of mahogany wood. If you apply the material "Glass Frosted" to an object, it will be shaded with all the qualities of frosted glass, including transparency.
To move an object, click and drag it to another location in the drawing area.	To move an object, select it, click Move from the Transform menu, then define the distance and direction of the move by entering coordinates. This allows you to specify a precise location for the object. You can also drag the object and use a snap tool to locate it relative to another existing object.
To snap to an object, click Layout, then enable the Snap to Objects option. Now, when you activate a drawing tool and move close to an object, the cursor will snap to the nearest predefined snap point.	To snap to an object, click one of the snap tools to specify a snap point. Snapping allows you to set precise points based on existing objects.
Using the Extrude command you can apply a 3D look to a 2D drawing.	Using any of the Extrude commands, you can create a 3D surface or solid model from a 2D drawing.

How to learn CorelCAD

Learning CorelCAD is easy. An online version of the CorelCAD Tutorial is available in the CorelCAD program group (accessed in Windows 95 by clicking Start, Programs). This version is identical in content to the printed tutorial that is included in the full CorelCAD package. Created in Envoy format, the embedded viewer will allow you to page through the document on screen, or print a copy to your printer (if you are using Windows NT, you will be able to view the tutorial but will not be able to print it). Online help is available in Envoy if you require assistance using the viewer. The 13 lessons in the tutorial will take you on a tour of CorelCAD, and give you practical hands-on lessons in learning the tools and commands.

To start the CorelCAD tutorial, click the Tutorial icon from the CorelCAD program group in Windows.

Online help is available in CorelCAD to help you with any questions you may have while using the program. Under the Help menu, select Help Topics to search for a topic, or use the What's This? help that's accessed by right-clicking on a screen item.

Using the Script Toolbar

This trial version of CorelCAD has been modified to display a script toolbar when you first enter the program. The scripts contained in this toolbar will help illustrate how certain commands are executed. Clicking on one of the buttons in the Script Toolbar will show you the steps required to perform certain commands. To clear the toolbar from your screen, click the Close button at the top of the toolbar.

Other scripts are available in the \COREL\CAD1\CAD folder. The Scripts section in the Readme file, accessed from the CorelCAD program group, provides more information about these scripts. To run any script in CorelCAD, click Tools, Scripts, Run Script, then locate the desired script.