

Inventor Import for AutoCAD Help

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Inventor Import for AutoCAD Help

Welcome to *Inventor Import for AutoCAD* Help!

This help file provides all the information you need to understand and use *Inventor Import for AutoCAD*. Click the links below or use the Contents tab on the left to browse help topics. You can also scroll the topics on the above right hand pane.

The *Inventor Import for AutoCAD* help file is divided into the following sections:

- [Introduction](#) - Introduction to *Inventor Import for AutoCAD*.
- [Command Reference](#) - Quick reference of all the commands added by *Inventor Import for AutoCAD*.
- [Tutorial](#) - Tutorial to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

Note:

- Please refer to the section "Loading Instructions" in the [ReadMe](#) file to load *Inventor Import for AutoCAD* plug-in file into the AutoCAD environment.
- Please read the [License Agreement](#) before using the software.

Introduction

Inventor Import for AutoCAD is a plug-in for AutoCAD. This plug-in gives AutoCAD the ability to import 3D solid data from Inventor part (IPT) and assembly (IAM) files.

Inventor Import for AutoCAD creates true 3D solids in AutoCAD which can then be edited using AutoCAD's solid modeling tools just like any other 3D solid. This plug-in does not need Inventor to be installed on the computer or on the network.

Inventor Import for AutoCAD is powered by the widely used 3D InterOp technology from Spatial. 3D InterOp is the industry standard for proprietary CAD file format data exchange and is used in almost all the major CAD systems. Besides data exchange 3D InterOp also offers powerful repairing and healing features which are extensively used in *Inventor Import for AutoCAD*. Repairing involves checking the file for corrupted data and fixing the invalid data. Healing corrects the differences in precision. *Inventor Import for AutoCAD* also creates a detailed log file which is extremely useful in identifying data translation problems and aids in locating and fixing errors.

Inventor Import for AutoCAD can import Inventor part IPT files from Inventor 6 to Inventor 2010 and assembly IAM files from Inventor 11 to Inventor 2010

Inventor Import for AutoCAD is designed to work with the following versions of AutoCAD:

- AutoCAD 2011 (32 & 64 Bit)
- AutoCAD 2010 (32 & 64 Bit)
- AutoCAD 2009 (32 & 64 Bit)
- AutoCAD 2008 (32 & 64 Bit)
- AutoCAD 2007
- AutoCAD 2006
- AutoCAD 2005
- AutoCAD 2004
- AutoCAD 2002
- AutoCAD 2000i
- AutoCAD 2000

Note: When importing an Inventor assembly IAM file, please ensure that all referenced part IPT files are located in the root folder as the assembly IAM file.

Inventor Import for AutoCAD is very easy to use. Once installed, it must be loaded into the AutoCAD environment. There are simple instructions for this in the [ReadMe](#) file. Once loaded it adds new commands to AutoCAD's existing commands and a new submenu called "InventorImport" to the AutoCAD menu containing these newly added commands.

Inventor Import for AutoCAD comes with detailed documentation as well as a [tutorial](#) to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

About Autodesk Inventor

Autodesk Inventor, developed by Autodesk, is 3D parametric solid modeling software for creating 3D mechanical models. Inventor software is a history-based parametric solid modeler. With Inventor, you create digital objects that simulate physical objects. Inventor models are accurate 3D digital prototypes. Autodesk calls its approach to model design "digital prototyping". With the parametric modeling tools in Inventor, you can apply driving dimensions and geometric relationships to an object. These dimensions and relationships are called parameters. The size and shape or geometry of an object depends upon dimensions and relationships to other parts. When one part is changed, the object automatically updates to reflect the change

Inventor uses proprietary file formats for parts (IPT), assemblies (IAM), and drawing views (IDW or DWG).

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ReadMe

This is the *Inventor Import for AutoCAD* ReadMe file.

Thank you for installing Inventor Import for AutoCAD.

Please read this ReadMe document carefully and completely. It contains important information which is vital to the proper working of Inventor Import for AutoCAD.

Since Inventor Import for AutoCAD is a plug-in for AutoCAD, it has to be loaded into the AutoCAD environment before it can be used. Loading is a one time process. Inventor Import for AutoCAD will automatically load itself into AutoCAD the next time you run AutoCAD.

The Inventor Import for AutoCAD plug-in files are installed into the Inventor Import for AutoCAD installation folder (typically "C:\Program Files\SYCODE\Inventor Import for AutoCAD\"). The plug-in files have an extension of ".arx".

The list of plug-in files along with the version of AutoCAD is shown below. Please be sure to use the plug-in file that corresponds to your version of AutoCAD.

```
InventorImport_VC60.arx    -> AutoCAD 2000, 2000i, 2002
InventorImport_VC70.arx    -> AutoCAD 2004, 2005, 2006
InventorImport_VC80.arx    -> AutoCAD 2007, 2008 (32 Bit), 2009 (32 Bit)
InventorImport_VC80x64.arx -> AutoCAD 2008 (64 Bit), 2009 (64 Bit)
InventorImport_VC90.arx    -> AutoCAD 2010 (32 Bit)
InventorImport_VC90x64.arx -> AutoCAD 2010 (64 Bit)
InventorImport_VC90.arx    -> AutoCAD 2011 (32 Bit)
InventorImport_VC90x64.arx -> AutoCAD 2011 (64 Bit)
```

To load Inventor Import for AutoCAD into AutoCAD please follow the steps listed below:

- (1) Select "Load Application..." from "Tools" menu or enter the "_APPLOAD" command.
- (2) Click the "Contents" button in "Startup Suite"
- (3) Click the "Add" button.
- (4) Browse for the plug-in file for your version of AutoCAD (see list above).
- (5) Click the "Add" button on the Add File to Startup Suite dialog box.
- (6) Click the "Close" button to close the Startup Suite dialog box.
- (7) Click the "Close" button to close the Load/Unload Applications dialog box.

Now Inventor Import for AutoCAD is completely installed and ready for use.

Usage:

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Inventor Import for AutoCAD adds new commands to AutoCAD. The commands

Inventor Import for AutoCAD Help

added are:

- 1) InventorImport - Imports an Inventor file.
- 2) InventorImportHelp - Displays the Inventor Import for AutoCAD help file
- 3) InventorImportRegister - Registers your copy of Inventor Import for AutoCAD
- 4) InventorImportAbout - Displays the Inventor Import for AutoCAD about box.

Sample Files:

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Sample Inventor files are copied into the Samples folder which is located in the Inventor Import for AutoCAD installation folder (typically "C:\Program Files\SYCODE\Inventor Import for AutoCAD\"). You can try Inventor Import for AutoCAD using these sample files.

Support:

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For support, please E-Mail support@sycode.com

Contact

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Phone	+91 9822689298
Fax	+91 832 2416615
E-Mail	info@sycode.com
Web Site	http://www.sycode.com

Command Reference

Inventor Import for AutoCAD adds new commands to AutoCAD and a submenu called "InventorImport" which houses them. The new commands are:

InventorImport	Imports an Inventor file
InventorImportHelp	Displays the <i>Inventor Import for AutoCAD</i> help file
InventorImportRegister	Register your copy of <i>Inventor Import for AutoCAD</i>
InventorImportAbout	Displays the <i>Inventor Import for AutoCAD</i> about box

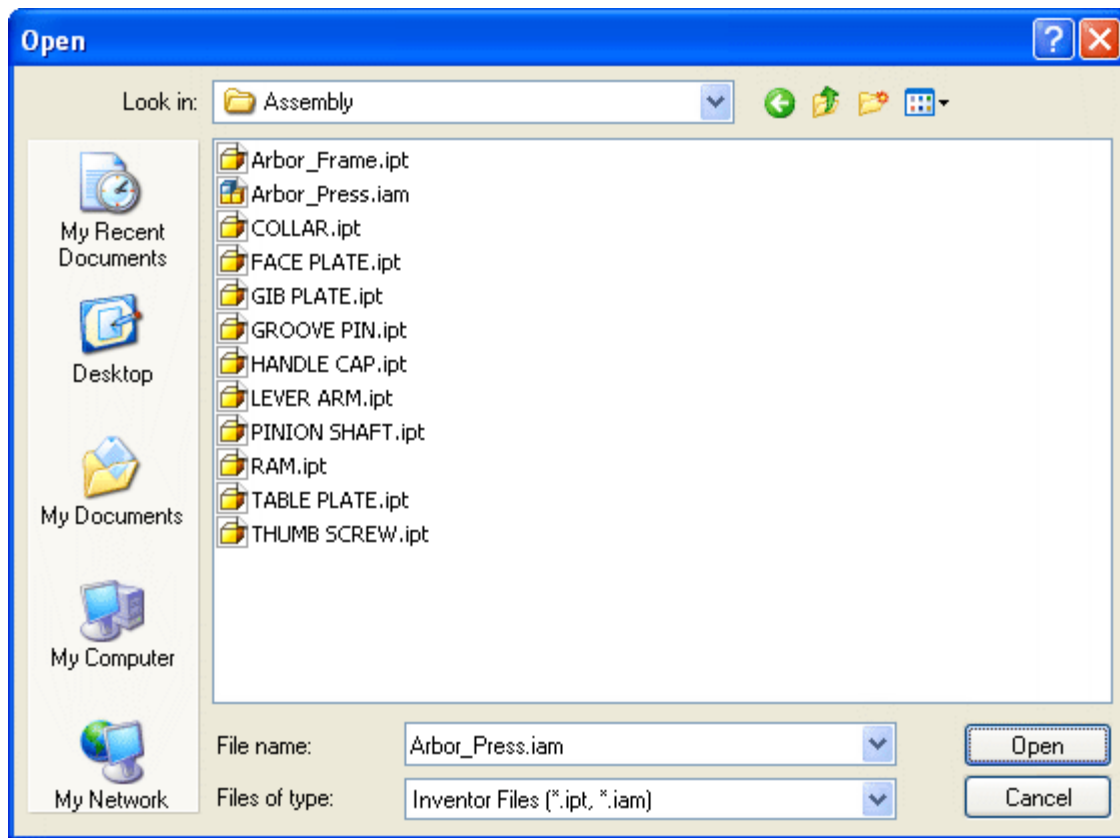
InventorImport

Menu Button	InventorImport > Import
Command	InventorImport

This command imports an Inventor file in AutoCAD

To import an Inventor file

1. Select *Import* from the "InventorImport" menu or type *InventorImport* at the AutoCAD command prompt and press *Enter*.
2. The AutoCAD "Open" dialog box is displayed. Browse for the Inventor file you wish to import and click *Open*.



3. The "Inventor Import for AutoCAD Options" dialog box is displayed. Select the options as required and click *OK*.

InventorImportHelp

Menu Button	InventorImport > Help
Command	InventorImportHelp

This command displays the help file. The [Welcome](#) page is a good place to start.

InventorImportRegister

Menu Button	InventorImport > Register
Command	InventorImportRegister

This command is used to register your copy of *Inventor Import for AutoCAD*.

You need a license key to start using the software. A license key can be of two types: Trial or Permanent. A trial key is issued to you instantly and completely free of cost so that you may try the software before you purchase a license. A permanent key is issued after you have purchased a license.

SYCODE License Server

Product Name: Inventor Import for AutoCAD 2010 version 1.0

Host ID: 00-1D-7D-FD-AD-1D

License Key: RcaADFDD1D1U1C01fdEF0D04CN1WEE00AAVt52E'WEE04I
8R80RFa1A14p0SDiqD0SD1E7uein688CCBDhg0A14H2B1Zk
7Cfm30DDFDsdfcvcZU17095K501DAA71RF0D81DF

=== LICENSE KEY PARAMETERS ===
Key type: Trial
Expires: 24-Nov-2009
Runs remaining: 10

How do I get a Trial Key?

Simply click the 'Request Key' button and select 'TRIAL KEY' as the type of key being requested. Fill the form and submit it. A trial key will be immediately sent to you by email.

How do I get a Permanent Key?

To get a permanent key you need to have already purchased a license. If you have not yet purchased a license you can do so by clicking the 'Buy Online' button. After you place your order click the 'Request Key' button and select 'PERMANENT KEY' as the type of key being requested. Fill the form and submit it. Your order will be verified and a permanent key will be sent to you by email within one business day.

IMPORTANT:

Inventor Import for AutoCAD Help

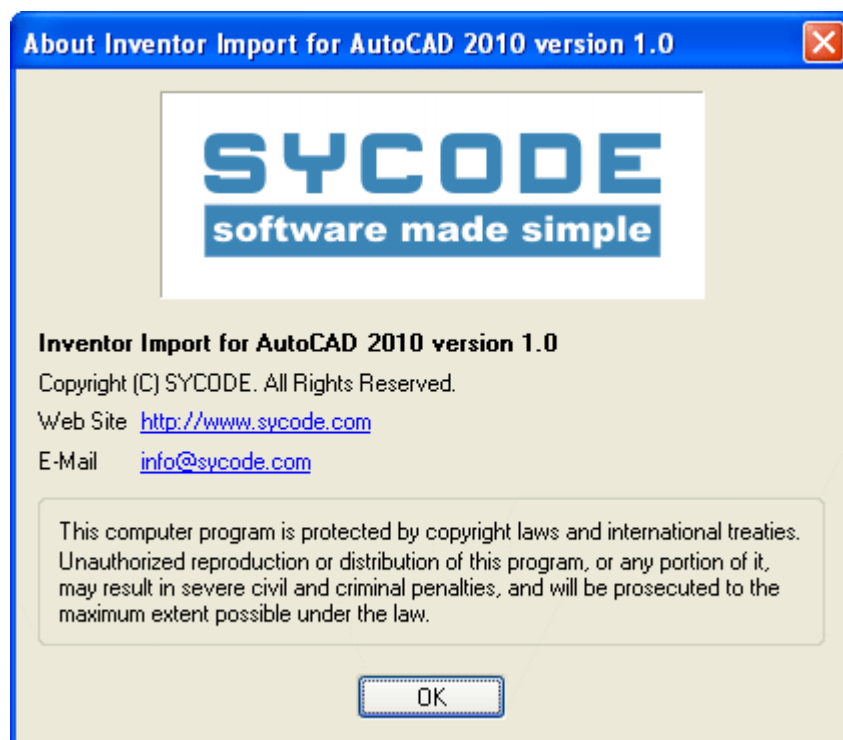
- (1) Please ensure that your computer is connected to the internet before you request for a key.
- (2) Please be sure to enter a valid email address as the key will be sent to you by email.
- (3) To avoid disruption in your work-flow we urge you to place your order before the trial period ends.

If you need anything else please send an email to register@sycode.com

InventorImportAbout

Menu Button	InventorImport > About
Command	InventorImportAbout

This command is used to display the *Inventor Import for AutoCAD* About box. The About box lists the software and its version

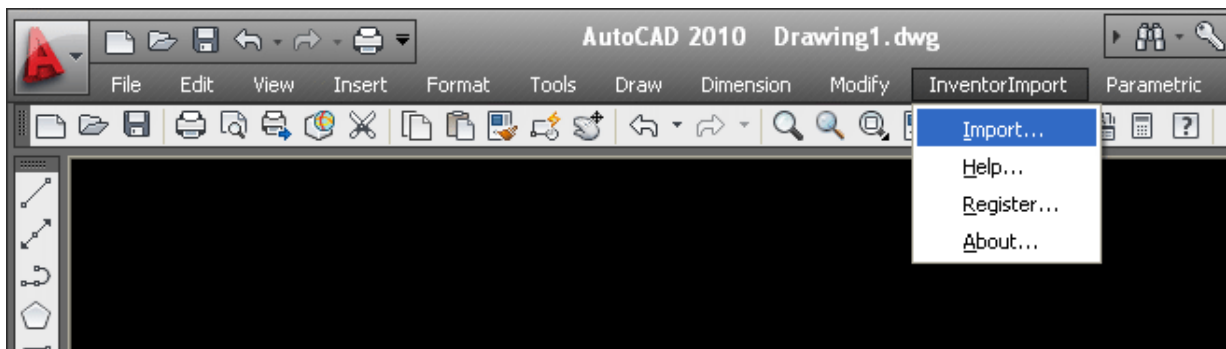


Tutorial

This tutorial provides the necessary information and hands-on experience to help you get started with *Inventor Import for AutoCAD*.

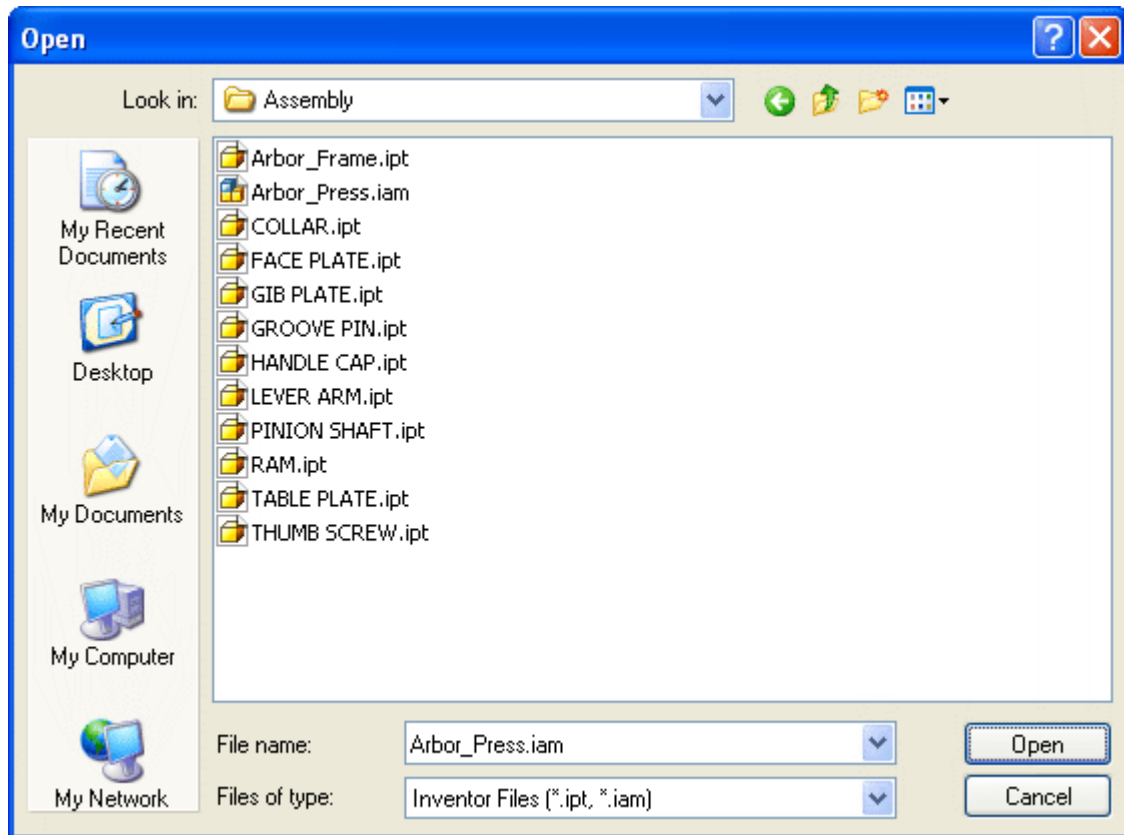
Step 1: Start AutoCAD.

Step 2: Select *Import* from the "InventorImport" menu or type *InventorImport* at the AutoCAD command prompt and press *Enter*.

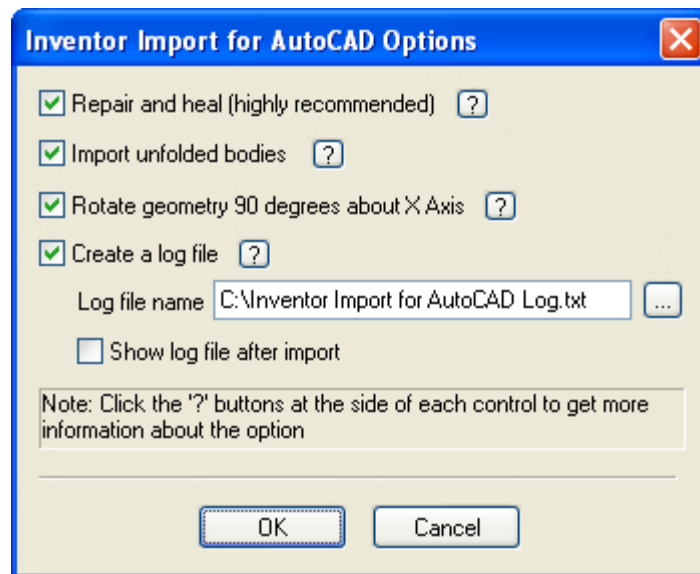


Step 3: The AutoCAD "Open" dialog box is displayed. Browse for the file located at C:\Program Files\SYCODE\Inventor Import for AutoCAD\Samples\Assembly\Arbor_Press.iam and click *Open*.

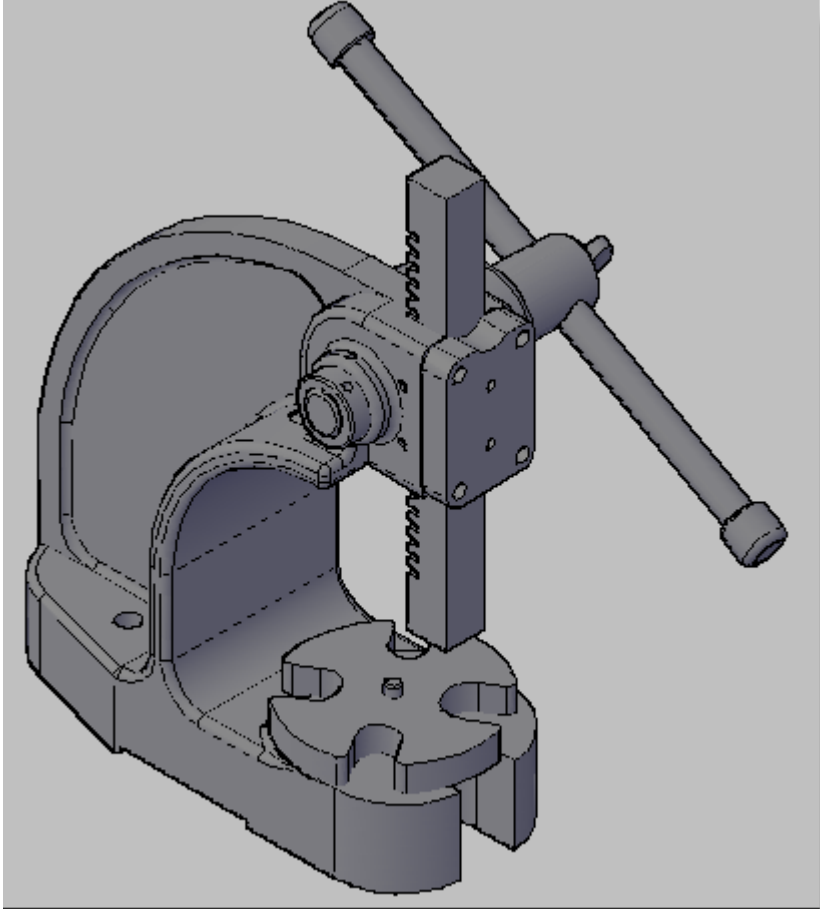
Note: To import a sample part file browse for the file located at C:\Program Files\SYCODE\Inventor Import for AutoCAD\Samples\Parts\ and click *Open*.



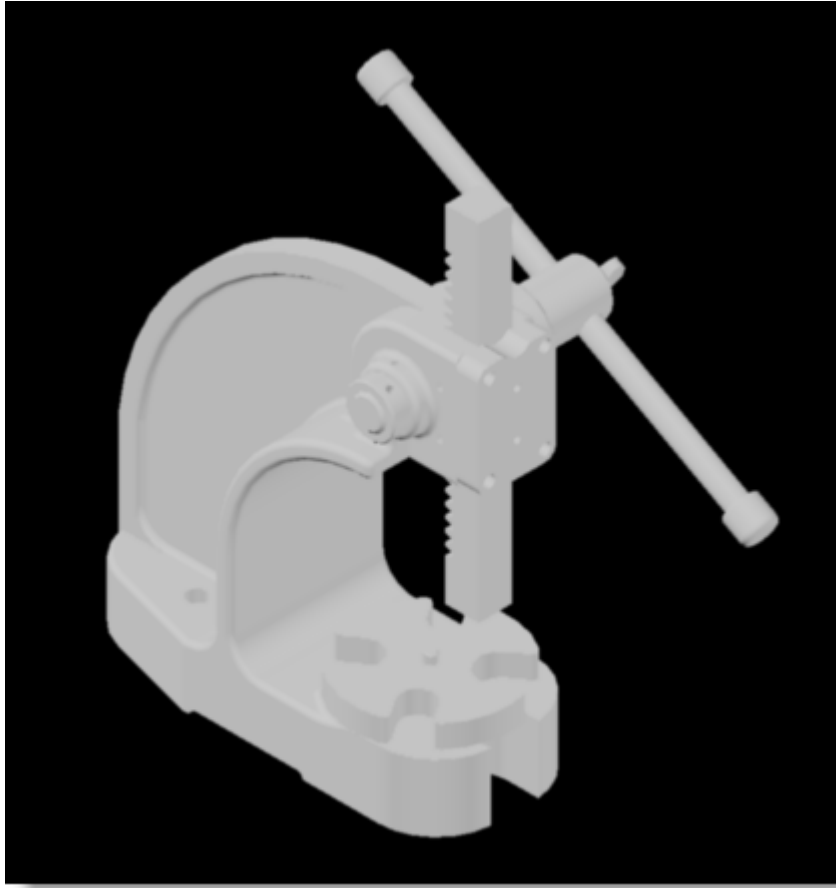
Step 4: The "Inventor Import for AutoCAD Options" dialog box is displayed. Select the options as required and click *OK*.



The figure below shows the final result.



Assembly model in shaded mode



Assembly model in rendered mode