

## **3DM Export for Inventor Help**

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# 3DM Export for Inventor Help

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Welcome to *3DM Export for Inventor* Help!

This help file provides all the information you need to understand and use *3DM Export for Inventor*. 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 *3DM Export for Inventor* help file is divided into the following sections:

- [Introduction](#) - Introduction to *3DM Export for Inventor*.
- [Command Reference](#) - Quick reference of all the commands added by *3DM Export for Inventor*.
- [Tutorial](#) - Tutorial to get you started in the shortest possible time.

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

**Note:**

- If you have trouble loading the *3DM Export for Inventor* add-in file into the Inventor environment, please refer to the [ReadMe](#) file.
- Please read the [License Agreement](#) before using the software.

# Introduction

## Introduction

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*3DM Export for Inventor* is a Rhinoceros (.3dm) file export add-in for Inventor®. This add-in gives Inventor the ability to export 3D solid and surface data from a Inventor part or assembly document to 3d polygon meshes in a 3DM file.

*3DM Export for Inventor* tessellates solid bodies in a Inventor part or assembly into a set of triangular meshes. These meshes are then exported to a 3DM file as mesh objects. The 3DM file can then be imported into a variety of CAD applications.

*3DM Export for Inventor* is designed to work with the following versions of Inventor:

- Inventor 2011
- Inventor 2010
- Inventor 2009
- Inventor 2008
- Inventor 11
- Inventor 10
- Inventor 9

*3DM Export for Inventor* is very easy to use. It adds new commands to Inventor. Once installed, it automatically loads itself into Inventor and adds a new ribbon bar to Inventor called "Add-Ins" containing the newly added commands.

*3DM Export for Inventor* 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.

### **The 3DM File Format**

The 3DM (3D Model) file format is the native file format of Rhinoceros, the NURBS modeling software from Robert McNeel & Associates. The OpenNURBS Initiative was founded by Robert McNeel & Associates in January 2000, with the sole purpose of providing CAD, CAM, CAE and computer graphics software users reliable methods for transferring 3D geometry between applications via the 3DM file format. [TerrainCAD](#), our terrain generation, editing and modeling software, also uses the 3DM file format as its native file format.

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# ReadMe

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This is an *3DM Export for Inventor* ReadMe file.

3DM Export for Inventor is an add-in for Inventor

### Installation:

=====

The installer adds 3DM Export for Inventor to the list of available add-ins installed for Inventor. To verify whether 3DM Export for Inventor has been properly loaded into Inventor invoke the "Add-In Manager" by clicking on the "Tools" menu and then. Verify that "3DM Export for Inventor" is present in the list of "Available Add-Ins" and make sure that "Loaded/Unloaded" and "Load on Startup" check boxes are checked.

Now 3DM Export for Inventor is ready for use.

### Usage:

=====

3DM Export for Inventor adds new commands to Inventor. It also adds a ribbon bar to the Inventor user interface called "Add-Ins" containing these new commands. Simply click on the buttons in the ribbon bar to run these new commands.

The new commands are:

- 1) Import - Exports a 3DM file
- 2) Help - Display the 3DM Export for Inventor help file
- 3) Register - Display the 3DM Export for Inventor product registration dialog box
- 4) About - Display the 3DM Export for Inventor about box

### Support:

=====

For support, please E-Mail [support@sycode.com](mailto:support@sycode.com)

## Contact

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Mailing address	S1/116, Nova Cidade Complex, NH 17, Alto Porvorim, Goa - 403521 India
Phone	+91 9822689298
Fax	+91 832 2416615
E-Mail	<a href="mailto:info@sycode.com">info@sycode.com</a>
Web Site	<a href="http://www.sycode.com">http://www.sycode.com</a>

# Command Reference

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*3DM Export for Inventor* adds new commands to Inventor. It also adds a ribbon bar to Inventor called "Add-Ins" containing these new commands.

The new commands are:

<a href="#">Export</a>	Exports a 3DM file
<a href="#">Help</a>	Displays the <i>3DM Export for Inventor</i> help file
<a href="#">Register</a>	Registers the copy of <i>3DM Export for Inventor</i>
<a href="#">About</a>	Displays the <i>3DM Export for Inventor</i> about box

## Export

---

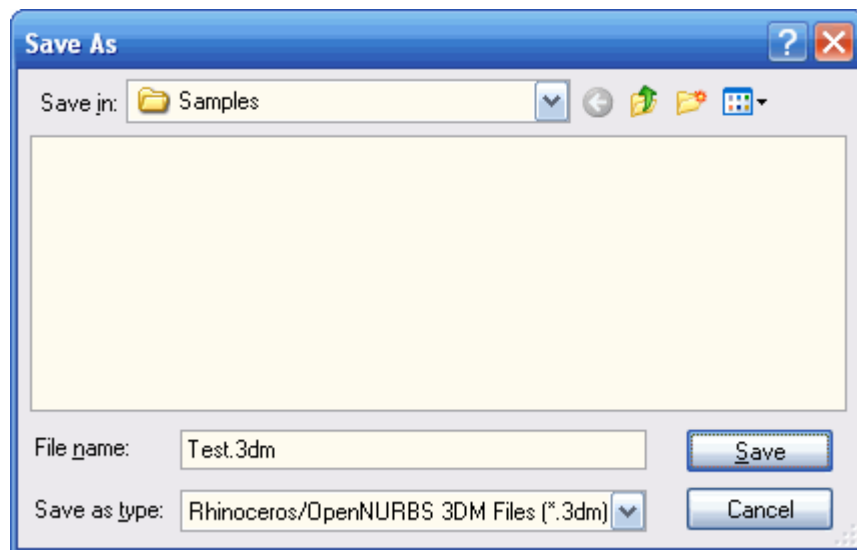
**Menu Button**      Add-Ins > Export

---

This command tessellates a part or an assembly and exports the resulting meshes to mesh objects in a 3DM file.

### To export a 3DM file

1. Click the *Export* button on the "Add-Ins" ribbon bar.
2. The Inventor "Save As" dialog box is displayed. Enter the output file name of a 3DM file and click *Save*.



## Help

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**Menu Button**      Add-Ins > Help

---

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

## Register

**Menu Button**      Add-Ins > Register

This is used to register your copy of *3DM Export for Inventor*

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: 3DM Export for Inventor 2010 version 1.0      [Buy Online](#)

Host ID: 00-1E-8C-9C-71-44      [Request Key](#)

License Key: 2mA10C1f6501j740Cejwtg235YrHNP04Tf1DQAAH0BzD0807F  
9h70RE971709mw04pU610D119EAj0DC3D0rUNMA149BDJI  
8Zw.'BC4Cnt4XCcd0FA8506PEDWEAARI02c      [Update Key](#)

[How do I get a license key?](#)

=== LICENSE KEY PARAMETERS ===  
Key type: Trial  
Expires: 03-Oct-2009  
Runs remaining: 10

[Close](#)

### 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:

## 3DM Export for Inventor 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](mailto:register@sycode.com)

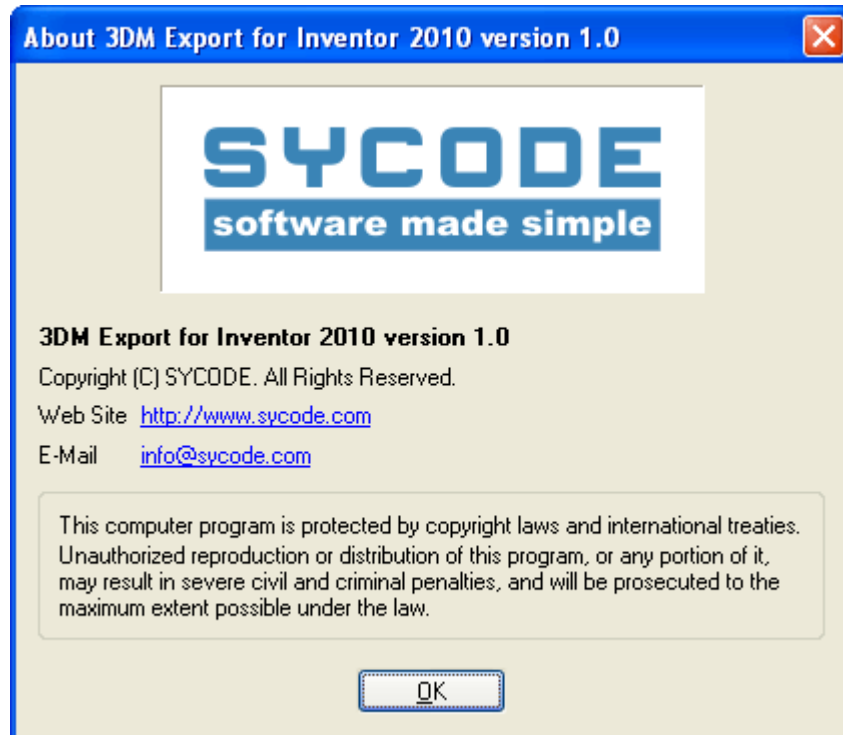
## About

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**Menu Button**      Add-Ins > About

---

This command displays the *3DM Export for Inventor* About box. The About box lists the software and its version.



# Tutorial

## Tutorial

This tutorial provides the necessary information and hands-on experience to help you get started with *3DM Export for Inventor*.

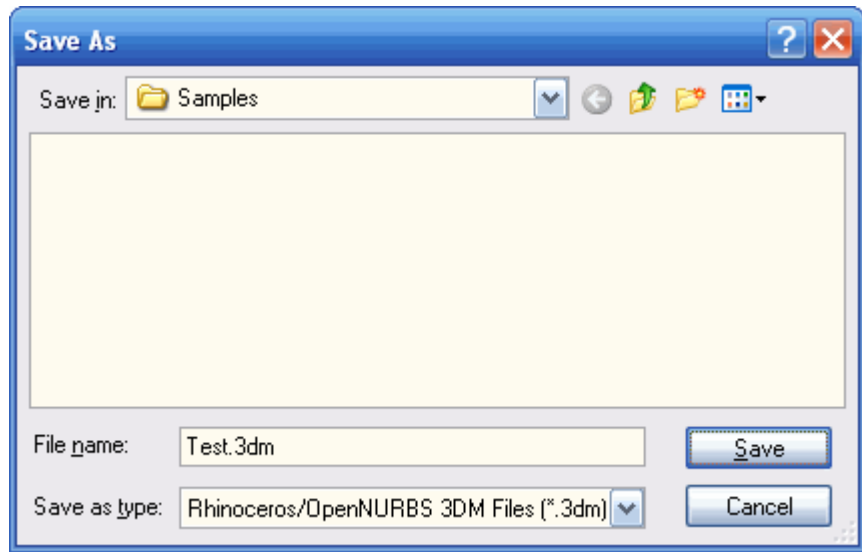
**Step 1:** Start Inventor.

**Step 2:** Select "Open" from the Inventor "File" menu. Browse for the file typically located at "C:\Program Files\SYCODE\3DM Export for Inventor\Samples\Piston.sat" and click *Open*.

**Step 3:** Click the *Export* button on the "Add-Ins" ribbon bar.



**Step 4:** The Inventor "Save As" dialog box is displayed. Enter the output file name of a 3DM file and click *Save*.



The model will be exported to a 3DM file you specified.