

## **3DM Export for Alibre Design Help**

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# 3DM Export for Alibre Design Help

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Welcome to *3DM Export for Alibre Design* Help!

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

- [Introduction](#) - Introduction to *3DM Export for Alibre Design*.
- [Command Reference](#) - Quick reference of all the commands added by *3DM Export for Alibre Design*.
- [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 Alibre Design* add-on file into the Alibre Design environment, please refer to the [ReadMe](#) file.
- Please read the [License Agreement](#) before using the software.

# Introduction

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*3DM Export for Alibre Design* is an Rhinoceros 3DM file export add-on for Alibre Design. This add-on gives Alibre Design the ability to export 3D solid and surface data from a Alibre Design part and assembly document to polygon meshes in a Rhinoceros 3DM file.

*3DM Export for Alibre Design* tessellates the solid bodies in a Alibre Design part or assembly document into individual triangular meshes. These meshes are then exported to a Rhinoceros 3DM file as polyface mesh objects.

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

- Alibre Design 12
- Alibre Design 11
- Alibre Design 10

*3DM Export for Alibre Design* is very easy to use. It adds new commands to Alibre Design. Once installed, it automatically loads itself into Alibre Design and adds a new submenu called "3DMExport" to the Alibre Design menu containing these new commands.

*3DM Export for Alibre Design* 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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8.6 Language. The English language version of this Agreement is legally binding in case of any inconsistencies between the English version and any translations.

# ReadMe

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This is the *3DM Export for Alibre Design* ReadMe file.

3DM Export for Alibre Design is an add-on for Alibre Design

### Installation:

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The installer adds 3DM Export for Alibre Design to the list of available add-ons installed for Alibre Design. To verify whether 3DM Export for Alibre Design has been properly loaded into Alibre Design invoke the "Add-on Manager" by clicking on the "Tools" menu, then "Add-on Manager". Verify that "3DM Export for Alibre Design" is present in the list of available add-ons and make sure that its check box is checked.

Now 3DM Export for Alibre Design is ready for use.

### Usage:

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3DM Export for Alibre Design adds new commands to Alibre Design. It also adds a submenu to the Alibre Design menu called "3DMExport" containing these new commands. Simply click on the menu items in this sub menu to run these new commands.

The new commands are:

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

### Support:

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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 Alibre Design* adds a new menu to Alibre Design called '3DMEExport'. The '3DMEExport' menu consists of the following commands:

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

# Export

---

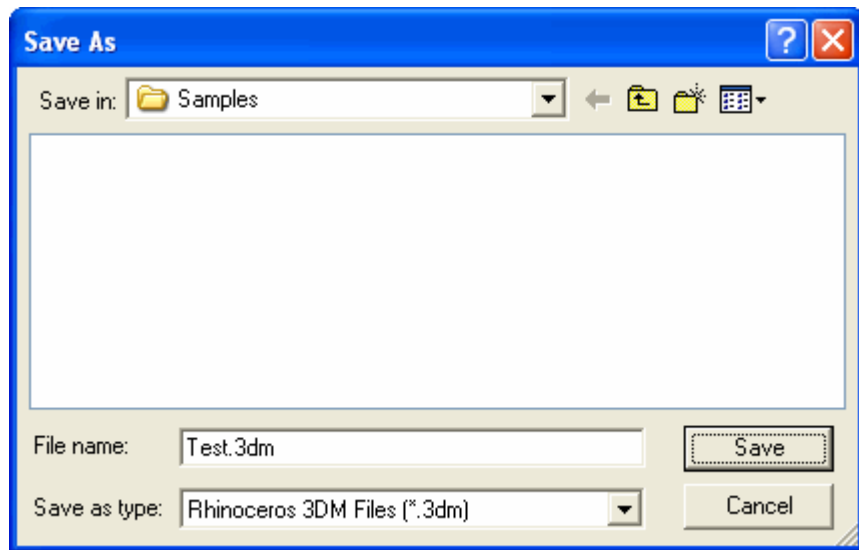
**Menu Button** 3DMEExport > Export

---

This command tessellates the active Alibre Design part or assembly and exports the resulting meshes to objects in a Rhinoceros 3DM file.

## To export to a 3DM file

1. Select *Export* from the "3DMEExport" menu.
2. The Alibre Design "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** 3DMExport > Help

---

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

## About

---

**Menu Button** 3DExport > About

---

This command is used to display the *3DM Export for Alibre Design* About box. The About box lists the product and its version.

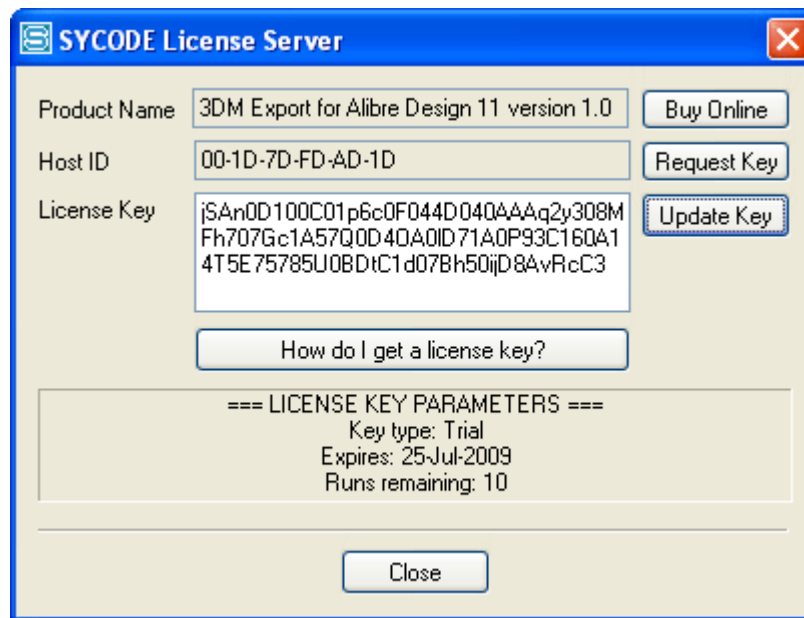


## Register

**Menu Button** 3DMExport > Register

This command is used to register your copy of *3DM Export for Alibre Design*.

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.



### 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:

(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)

# Tutorial

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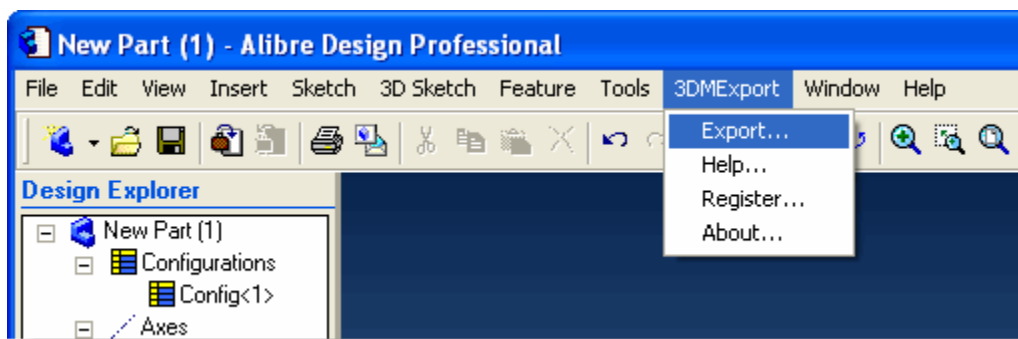
This tutorial provides the necessary information and hands-on experience to help you get started with *3DM Export for Alibre Design*.

**Step 1:** Start Alibre Design.

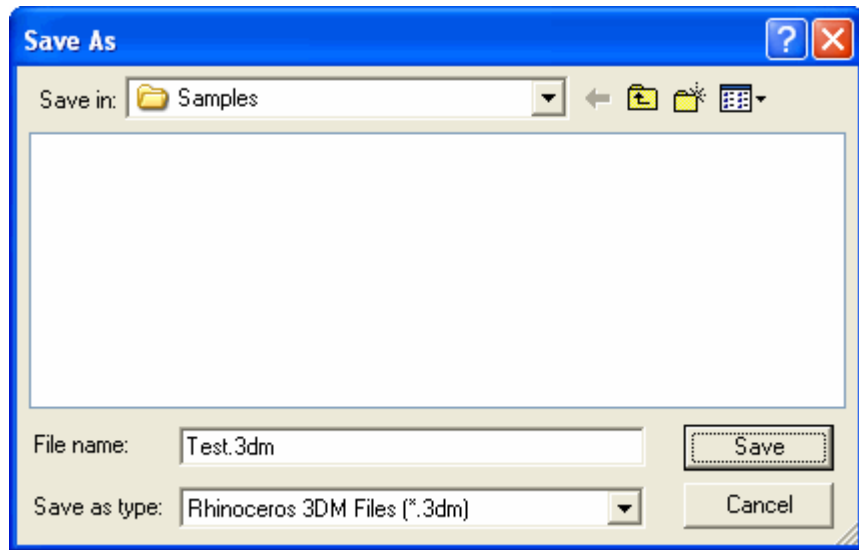
**Step 2:** Click *Import* from the Alibre Design "File" menu. The Alibre Design's "Import File" dialog box is displayed. Browse for a file typically located at "C:\Program Files\3DM Export for Alibre Design\Samples\Piston.sat" and click *Open*.

**Step 3:** The Alibre Design's "Import File Options" dialog box is displayed. Set the options as required and click *OK*.

**Step 4:** Select *Export* from the "3DMExport" menu.



**Step 5:** The Alibre Design "Save As" dialog box is displayed. Enter the output file name of a 3DM file and click *Save*.



The 3DM file will be created in the location you specified.