Using DynaCon Inventor Add-In Software

INSTALL AND USE GUIDE

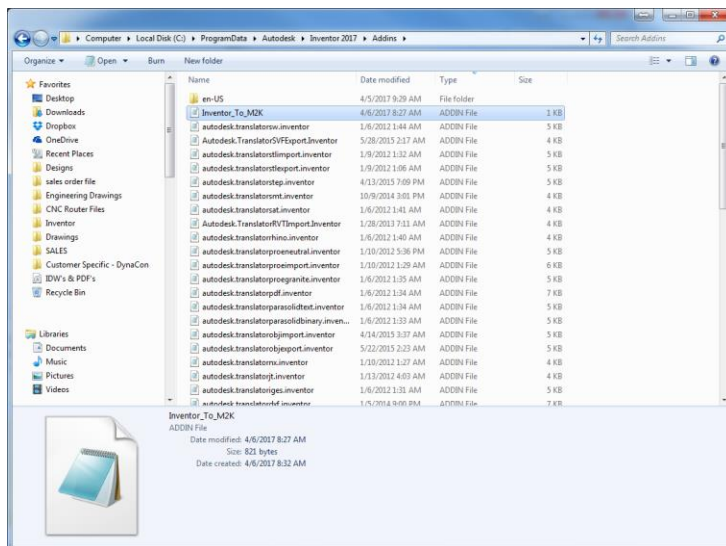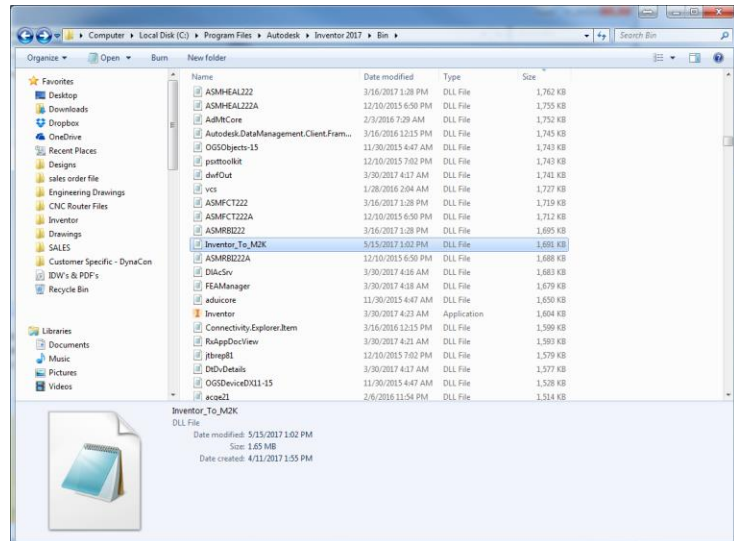# Table of Contents

Installation

Copying Files

1. To install the Add-In Software copy the ".DLL" into the bin folder of Autodesk bin folder. The file path should be this: *"C:\Program Files\Autodesk\Inventor 20XX\Bin".*
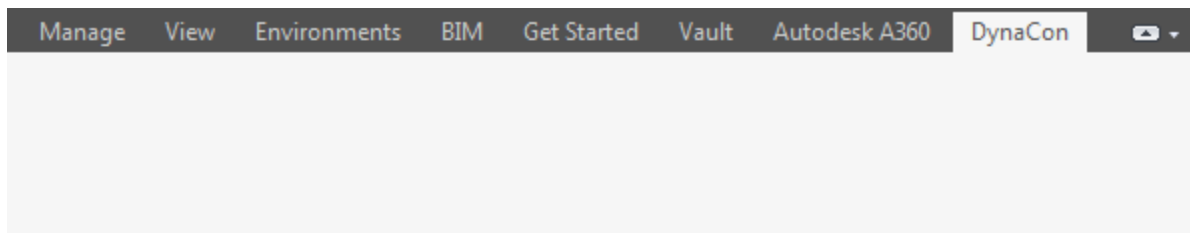

2. Next you will copy the ".ADDIN" file into the Autodesk Add-In Folder under Program Data. The file path should be this: *"C:\Program Data\Autodesk\Inventor 20XX\Addins".*

   Hint: sometimes this folder will be hidden to the user. To show this folder, make sure you are able to see these hidden folders.

3. Once these files have been copied into the right directories. You can begin to use the Add-In software.

4. To double check to make sure installation went correctly. Open Inventor and open a new part. If you have done it correctly, you will now see the "DynaCon" tab in the Ribbon options.

Usage

Part Information Form

Accessible: Assembly and Part
         Ribbons.

Button:

Fields

Import Info

1. Indicates Part Number.
2. Short description of part.
3. How the part will be measured.
4. Complete detail description of part.
5. Indicates finished product or raw material
6. Where it is available, not for sale etc.
7. Category of the part
8. Is it made in shop or purchased.
9. Customer the part is being made for.
10. Sales order number of part
11. Designer of part.
12. Manufacturer name (Purchased)
13. Manufacturer number (Purchased)

Buttons

A. Help button that displays the meanings of all the options in drop down menus.
B. Button that auto-selects some options to make it a purchased part.
C. Button that auto-selects some options to make it a manufactured part.
D. Saves information and uploads it to Manage 2000.
E. Saves information locally
F. Cancels current updates.

What It Does

This form will allot the user to create or update part information in Manage 2000. It will take some information already created in Inventor and automatically fill out this portion.

Bill of Materials Form (Part)

Accessible: Part Ribbon.

Button:

Fields

Import Bill

1. Indicates Part Number.
2. Material to be used by part.
3. Amount of material used in square inches.

Buttons

A. Uploads material information to Manage 2000.
B. Prompts the user to select the cut of the part and calculates the square inches.
C. Cancels the transaction.

What It Does

This form will allow the user to add or update the bill of materials for a part in Manage 2000. This form will only open when the user is in a part document. Otherwise the Assembly Bill of Materials form will open.

Bill of Materials Form (Assembly)

Accessible: Assembly Ribbon.

Button:

Import Bill

Buttons

    A. Uploads material information to Manage 2000.
    B. Saves bill of material information.
    C. Cancels the transaction

What It Does

This form will allow the user to add or update the bill of materials for an assembly created in Inventor. It will automatically gather all the parts used in the assembly and their quantities. The user can create new parts within this form to add them to the bill of materials. But it is recommended not to do this. The check box on the right side of the table indicates whether or not to include this part in the bill. Only parts that have this selected will be included in the bill of materials.
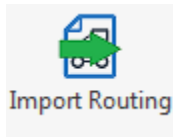
Routing Form

Accessible: Assembly and Part Ribbons.

Button:

Fields

Import Routing

1. Indicates Part Number.
2. New routing sequence number.
3. Where the sequence will happen.
4. Amount of people required for assembly.
5. Amount of time needed for this part.
6. Explaining what this task is for.
7. Area where all current sequences are stored.

Buttons

A. Quick access button that adds sequence 10, 20, and 30 for cutting, rounding and tapping.
B. Quick access button for sequences 10 and 20.
C. Quick access button for sequences 10, 20 and 30 for cutting, rounding and bending.
D. Uploads all information in table 7 to Manage 2000.
E. Adds sequence defined in fields 1-6 to table 7.
F. Cancels the current transaction.

What It Does

This form will allow the user to add or update the routing information to Manage 2000.
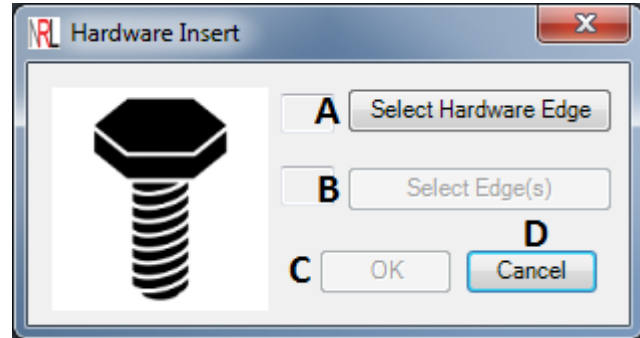
Hardware Insert Form

Accessible: Assembly Ribbon.

Button:

Buttons Hardware Insert

A. Prompts user to select one circular edge of hardware.
B. Prompts user to select 1 or more circular edges where the user wants this hardware inserted.
C. Finalizes the transaction and inserts hardware.
D. Cancels the transaction.

What It Does

This form will allow the user to select the edge of piece of hardware in the assembly. Then select each individual hole where they want this piece of hardware inserted. Once the user has selected each hole, a new instance of hardware will be created and an insert constraint will be added to it to put it in the hole.
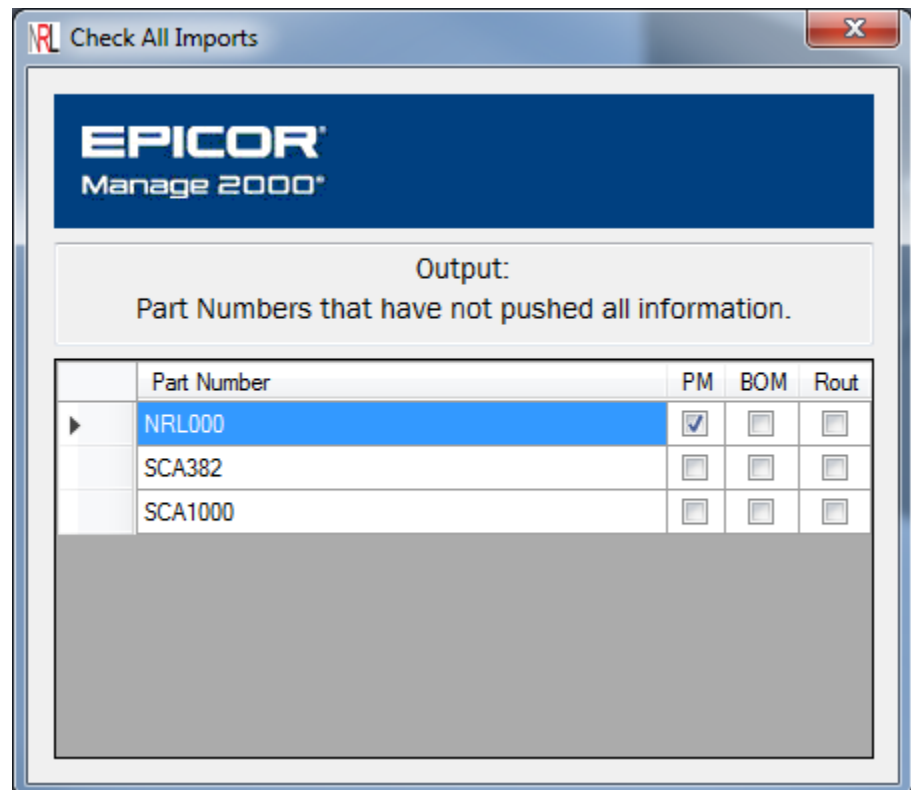
Check Imports Form

Accessible: Assembly Ribbon.

Button:

Check Imports

What It Does

This form will shows the user what information has been pushed for each individual part in the assembly. If the information has been added to Manage 2000, it will show a check mark in the box. Only the parts that do not have all the information added will be shown.

EPICOR
Manage 2000

Output:
Part Numbers that have not pushed all information.

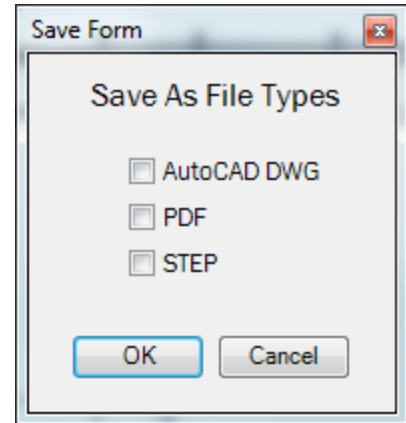| Part Number	PM	BOM	Rout
NRL000	☑	☐	☐
SCA382	☐	☐	☐
SCA1000	☐	☐	☐

Save Formats Form

Accessible: Drawing Ribbon.

Button:

What It Does

This form allows the user to select the file types to save a drawing as. Then it will ask the user where they want to save the documents and it will save this drawing as these formats in the desired folder.

Save Form

Save As File Types

☐ AutoCAD DWG
☐ PDF
☐ STEP

OK   Cancel

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