CIM-TECH
AUTOMATED CAD/CAM SOLUTIONS

2027 SOLID-CIM 3D

CNC Software Solutions from CIM-TECH

INSTALLATION GUIDE

877-549-8211

CIM-TECH.com

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Solid-CIM 3D Users Guide

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Solid-CIM 3D Minimum System Requirements

For 64-bit Systems

- Microsoft® Windows® 11 (64-bit) or Microsoft® Windows® 10 (64-bit) version 1809 or above.
- 2.5-2.9 GHz processor with 8 logical cores (base) or greater (Recommended: 3+ GHz processor (base), 4+ GHz (turbo). ARM Processors are not supported.
- 8GB of RAM (32GB or more for 3D Modeling)
- 10GB or more Free disk space for Installation (40GB or more for 3D Modeling). SSD suggested.
- 1920 x 1080 True Color video display adapter 128 MB or greater, Pixel Shader 3.0 or greater, with "Recommended" graphics card (3840 x 2160 (4K) with preferred scaling: 100%, 125% or 150% on Windows®, 64-bit systems with capable display card).
- Microsoft® Internet Explorer 11.0 (or equivalent) or later web browser with network connection
- 2 GB GPU with 29 GB/s Bandwidth and DirectX 11 compliant (Recommended: 8GB GPU with 106 GB/S Bandwidth and DirectX 12 compliant)
- .NET Framework Version 8 or later
- 1 Available USB port

You should check your hardware against the supported software versions to be sure of compatibility with your version of AutoCAD and available Solid-CIM Connect software.

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Supported AutoCAD Versions

AutoCAD 2027 (64-bit Systems Only)
AutoCAD 2026 (64-bit Systems Only)
AutoCAD 2025 (64-bit Systems Only)

Supported Autodesk Inventor Versions

Autodesk Inventor 2027 (64-bit Systems Only)
Autodesk Inventor 2026 (64-bit Systems Only)
Autodesk Inventor 2025 (64-bit Systems Only)

Supported Autodesk Fusion 360 Versions

Autodesk Fusion 2027 (64-bit Systems Only)
Autodesk Fusion 2026 (64-bit Systems Only)
Autodesk Fusion 2025 (64-bit Systems Only)

Supported Autodesk Revit Versions

Autodesk Revit 2027 (64-bit Systems Only)
Autodesk Revit 2026 (64-bit Systems Only)
Autodesk Revit 2025 (64-bit Systems Only)

Supported SW (SOLIDWORKS) Versions

SOLIDWORKS 2027 (64-bit Systems Only)
SOLIDWORKS 2026 (64-bit Systems Only)
SOLIDWORKS 2025 (64-bit Systems Only)

Supported Solid Edge Versions

Solid Edge 2027 (64-bit Systems Only)
Solid Edge 2026 (64-bit Systems Only)
Solid Edge 2025 (64-bit Systems Only)

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Hardware Locks

In addition to the hardware requirements listed above, it is important to note that Solid-CIM 3D requires a hardware lock in order to operate. Upon completion of the Solid-CIM 3D installation, make sure to open AutoCAD and start Solid-CIM 3D.

Note: Type 1 Hypervisor Appliance Compatibility Warning: Please be aware that neither Router-CIM, Solid-CIM or Radan's Autonest USB hardware locks are compatible with any Type 1 Hypervisor appliance, including, but not limited to, Microsoft Hyper-V, Oracle VM, KVM and Citrix Hypervisor. These products ARE compatible with Type 2 Hypervisor appliances, such as VMWare's VM Workstation.

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Solid-CIM 3D Product Overview

Solid-CIM 3D is a program created by CIM-Tech.com, Inc. to allow the export of 3D models, complete with "Features" into a format suitable to be processed by Router-CIM or Router-CIM Automation Suite.

The output of Solid-CIM 3D is a separate part drawing (.dwg) file for each part in an assembly with features on specific layers relating to their size or type. These drawings are suitable for use in Router-CIM or the Router-CIM Automation Suite.

Solid-CIM 3D supports an internal Autodesk Inventor Link, SOLIDWORKS Link, Solid Edge Link, Autodesk Revit Link and Autodesk Fusion 360 Link to directly export parts or assemblies from these products into Router-CIM. You can additionally use Solid-CIM 3D on any solids created by AutoCAD, or solids that can be imported into AutoCAD.

The Solid-CIM 3D (SCIM) program provides an easy interface to review Solid-CIM 3D results, name parts and apply materials to parts in an assembly.

Solid-CIM 3D converts selected 3D solids into Solid-CIM 3D Parts. A Solid-CIM 3D Part is a group of objects that consist of the selected solid, two Cut Side hatch objects and various polylines and circles that represent the Features of the Solid-CIM 3D Part. After the selected Solids have been converted to Solid-CIM 3D Parts, several Solid-CIM 3D options are available to view and examine the results of Solid-CIM 3D.

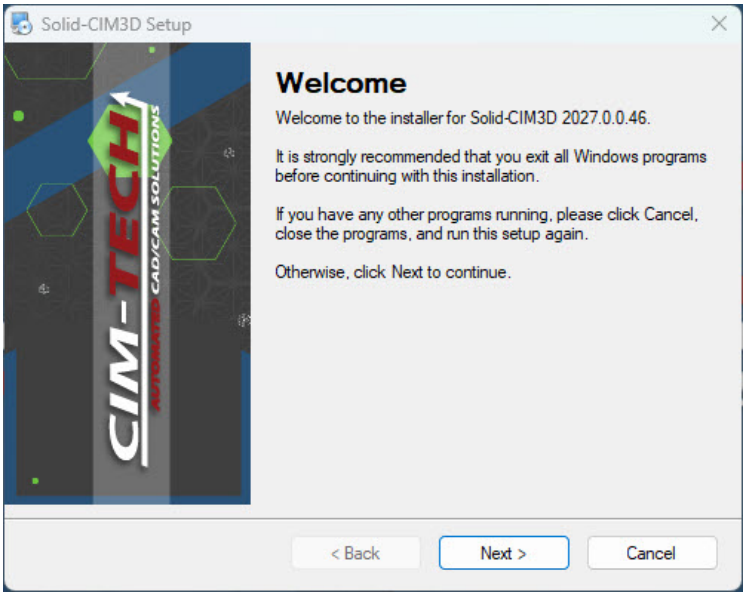
There is also provided a CSV file that contains all the parts of the assembly in a format that can be imported into the Router-CIM Automation Suite for automated programming.

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Installation and Configuration

The Solid-CIM 3D program is installed in the following manner:
Download the Solid-CIM 3D installation files according to the included download card with your Solid-CIM 3D software package or visit www.cim-tech.com/SCIM2027. The website will include the instructions for starting the installation.

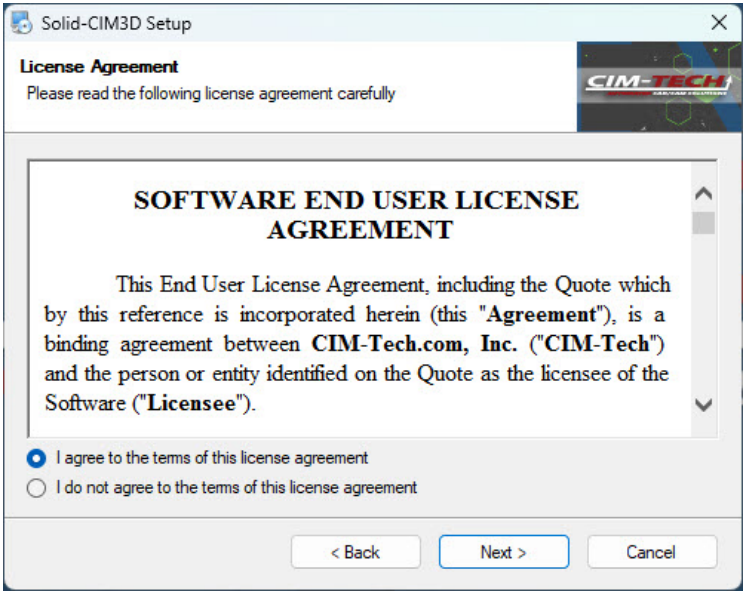
When the installation program starts, the following screen will appear:



From here, all of the default selections have been made for you. We recommend that you leave the defaults, as it will be simpler for you later if technical support is needed and you need to know the locations of the Solid-CIM 3D files.

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Select '**Next**' to continue.

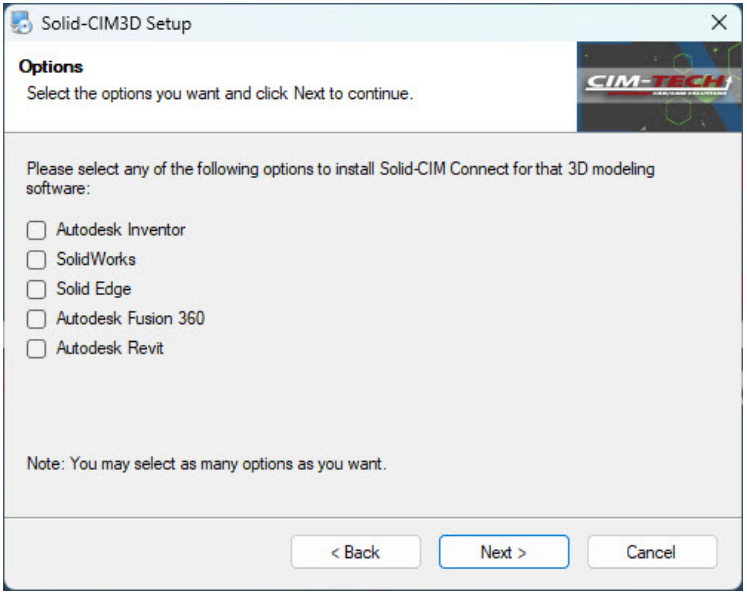


This is the license agreement for Solid-CIM 3D. Be sure you read the agreement. Selecting **'I do not agree to the terms of this license agreement'** will allow you to exit the program without installing Solid-CIM 3D to your computer. Selecting **'Back'** will return you to the previous window.

Select **'I agree to the terms of this license agreement'** and **'Next'** to continue.

The next screen will allow you to select any supported version to install the SCIM Connect feature.

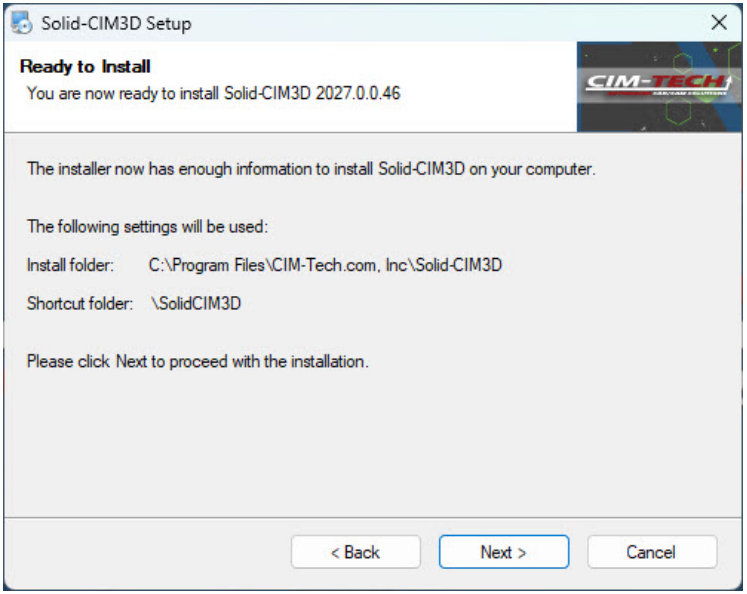
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Select the supported version you have already installed and **'Next'** to continue.

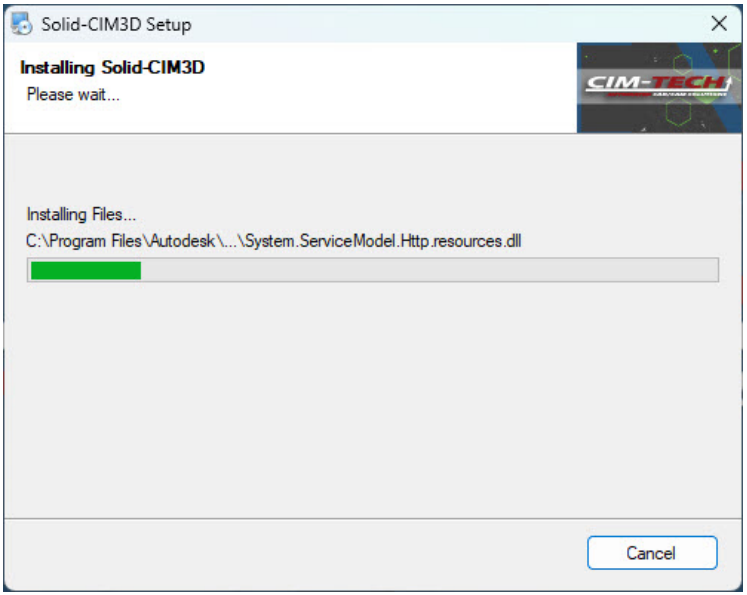
Note: AutoCAD is default and the Solid-CIM Connect is for additional programs if needed.

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This screen will recap where Solid-CIM 3D is going to be installed to. Select '**Next**' to continue.

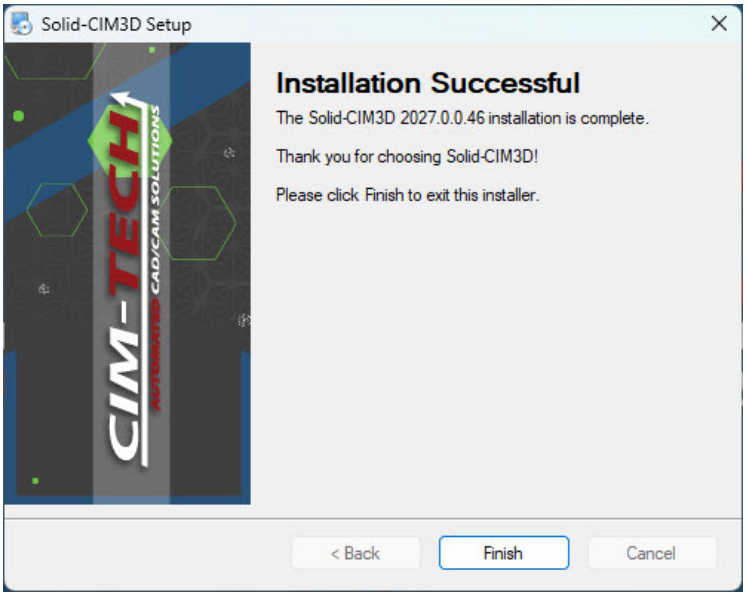
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The installer will start copying files to the necessary locations in this section of the install.

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Once that is finished, the install of Solid-CIM 3D is completed and the following screen will appear:



Select **'Finish'**.

Solid-CIM 3D has been successfully installed on your computer. Please make sure to request the Authorization file (rcimauth.key) from support@cim-tech.com.

For more information on the Authorization file, go to the 'SCIM Autothorization File' section.

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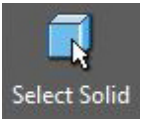
Solid-CIM 3D Authorization File

Once Solid-CIM 3D has been installed, you will need to submit for an Authorization File. To obtain this file, you will need to open AutoCAD.

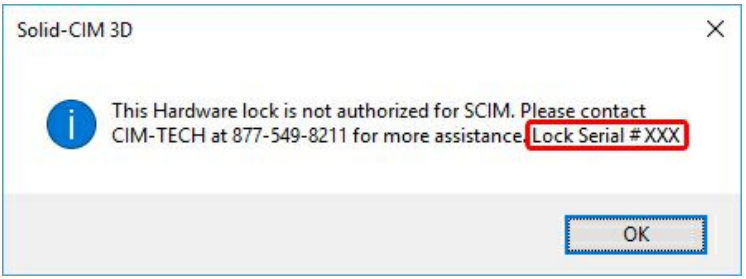
Once AutoCAD is opened, start Solid-CIM 3D by selecting on the Solid-CIM 3D toolbar or ribbon and selecting this icon:

Note: Make sure your Router-CIM USB or stand-alone Solid-CIM 3D Hardware Lock is inserted prior to starting Solid-CIM 3D

Solid-CIM 3D Toolbar Icon: 

Solid-CIM 3D Ribbon Icon: 

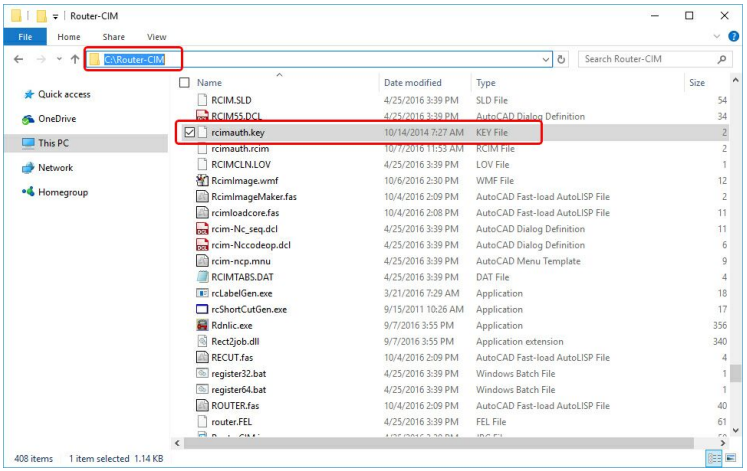
This message will appear:



When the message appears, send an email to support@cim-tech.com and reference the Lock Serial # that appears. An email will be sent back to you with a file called rcimauth.key.

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This file will need to be copied from the email and placed into the Router-CIM folder on your C drive (C:\Router-CIM):



Solid-CIM 3D will now be authorized for use.

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