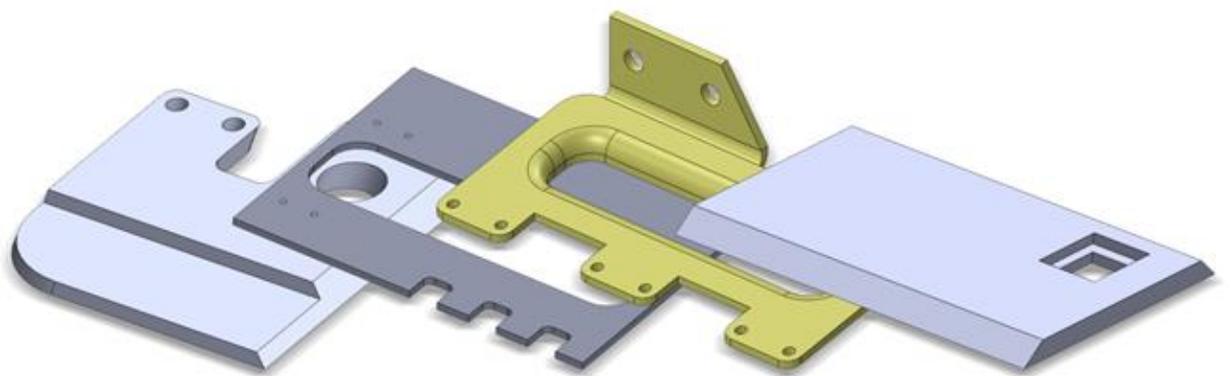




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# Installation Guide



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**Geometric**

**An HCL Technologies Company**

**Product Name: NESTINGWorks**

**Version: 2024 SP3**

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# 1. NESTINGWORKS: INTRODUCTION

## What is NESTINGWorks?

*NESTINGWorks*, from *Geometric Americas, Inc.*, is an automatic, true-shape nesting program that easily creates fast and efficient nested layouts. It is seamlessly integrated within SOLIDWORKS® and allows nesting of flat or 3D solid or sheet metal parts and assemblies.

*NESTINGWorks* can be used to create efficient layouts of metal, wood or composite based materials, producing the maximum number of parts from a single piece of raw material within minutes.

## Getting Help/Troubleshooting

### User Guide & Tutorials for NESTINGWorks

After installation, the *User Guide & Tutorials* PDF Help document for *NESTINGWorks* can be accessed from the Windows *Start* menu by selecting

***All Programs>>NESTINGWorks 2024x64>>User Guide & Tutorials***

The hands-on approach of the tutorials in this manual illustrates how to use the *NESTINGWorks* application. The scope of this manual covers all the major features and functions of *NESTINGWorks*.

We recommend to our users to read this manual to gain a thorough understanding of how to use the *NESTINGWorks* application.

### Help Documentation for NESTINGWorks

A detailed explanation of all the features, functions and settings of *NESTINGWorks* is provided in the Help file.

After installation, the *Help* file for *NESTINGWorks* can be accessed by any one of the following methods:

- From the Windows *Start* menu by selecting:  
***All Programs>>NESTINGWorks 2024x64>>Help***
- The context-sensitive *Help* can also be accessed by clicking the ***Help*** button in the dialog boxes of the *NESTINGWorks* application.

## NESTINGWorks Support

In case you face any issues related to installation or license activation of *NESTINGWorks*, you can contact your Reseller.



## 2. SYSTEM REQUIREMENTS

### Supported Solid Modeler (CAD applications)

NESTINGWorks 2024 is supported on the following CAD applications:

- SOLIDWORKS 2024
- SOLIDWORKS 2023
- CAMWorks Solids 2024
- CAMWorks Solids 2023

### Operating Systems

- Windows 11
- Windows 10

#### Notes:

- NESTINGWorks is not supported on 32-bit Operating Systems.
- Home editions of the Operating Systems are not supported.

### Hardware

RAM	16GB or more recommended
Disk Space	5 GB or more
Video Card	<a href="#">Certified cards and drivers</a>
Processor	Intel or AMD with SSE2 support. 64-bit operating system required
Install Media	DVD Drive or Broadband Internet Connection

NESTINGWorks runs as an Add-in within *SOLIDWORKS*. So please refer to the following link for the details on the system requirements

<http://www.solidworks.com/sw/support/SystemRequirements.html>

### Adobe Reader XI (For reading PDF documents)

The Adobe Reader application is necessary to view, read, navigate, search and print the *NESTINGWorks* manuals.



### 3. DOWNLOADING NESTINGWORKS INSTALLER PACKAGE

#### Step 1: Registering on the CAMWorks website

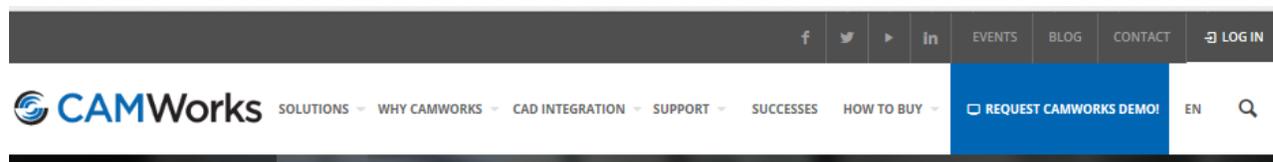
NESTINGWorks Installer Package can be downloaded from [www.camworks.com](http://www.camworks.com). You will need a valid login to access the installation files.

- a) If you do not have login credentials to [www.camworks.com](http://www.camworks.com), then register on CAMWorks website. You need valid CPD ID to register. Contact your CAMWorks Reseller for CPD ID and for any help with registration on this website.
- b) Once registration is complete, you will receive a registered Login ID and password.

#### Step 2: Download Installer Package from CAMWorks website

Following are the steps to download the NESTINGWorks Installer Package:

1. Open the website [www.camworks.com](http://www.camworks.com).
2. Click on the [Login](#) link at the top right corner of the webpage.



Click on the [Login](#) link at the top right corner of the website

3. Login using the **Username** and **Password**.

A screenshot of the CAMWorks login form. The form is dark grey with white text. It has a title "Log In To CAMWorks". Below the title are two input fields: "Username or Email" and "Password". There is a checkbox labeled "Remember Me". Below the input fields is a blue "Log In" button. At the bottom of the form, there are links for "Register" and "Lost your password?".

4. After successfully logging in, click on the **Downloads Area** link.



CAM Software - CNC Software for Machine Tools

Program Smarter – Machine Faster

Reseller Locator  
**Downloads Area**  
Resellers Area

**Fully Integrated**  
Embedded in the SOLIDWORKS and Solid Edge interfaces. Eliminate time-consuming CAM rework due to design updates.

**Associative**  
With CAMWorks, any changes made to the design are automatically updated in the machining operations and toolpaths.

**Feature-Based**  
Eliminate hours of complex programming by interpreting the design of parts through Automatic Feature Recognition.

Click on the 'Downloads Area' link

- The **Downloads Area** page will be displayed. Click on the link for **NESTINGWorks Downloads**.

Downloads Area  
Home > Support > Downloads Area

## The CAMWorks Customer Dashboard

### Manage My Account

Edit My Profile    Renew My Subscription/Maintenance Plan    Logout

### Take Me To...

- CAMWorks ShopFloor Downloads  
Access the latest CAMWorks ShopFloor Downloads
- CAMWorks Downloads  
Access the latest CAMWorks files
- CAMWorks Solids Downloads  
Access the latest CAMWorks Solids files
- NESTINGWorks Downloads**  
Download the latest NESTINGWorks files
- Miscellaneous Downloads  
Access to Universal Post Generator, License Manager, MS Access, Sentinel Driver, etc.
- ProCam Downloads  
Download ProCAM files

Click on the link for 'NESTINGWorks Downloads'

- The [NESTINGWorks Downloads](#) webpage will be displayed. Click on the link for **NESTINGWorks 2024 SP3** or any other **NESTINGWorks** version that you wish to install.



7. Clicking on this hyperlink takes you to the section of the webpage containing links to download the following files associated with the *NESTINGWorks 2024 SP3* application:
  - i. **64-bit installer package** of *NESTINGWorks 2024 SP3* in .zip format.  
PDF documents:
    - a. **What's New**
    - b. **ReadMe**
    - c. **Installation Guide**
    - d. **License Activation Guide**
    - e. **NESTINGWorks User Guide & Tutorials**
8. The *NESTINGWorks Installer Package* (.zip file) can be downloaded directly on to the hard drive of the computer system on which you intend to run *NESTINGWorks* or it can be downloaded on a Network drive.

### Step 3: Unzip the downloaded NESTINGWorks Installer Package

After you download the 64-bit *NESTINGWorks Installer Package* (which is in .zip file format) from the website, copy it to the system on which you intend to install/upgrade the *NESTINGWorks* application and unzip the downloaded zip file.

#### Note:

- For the hassle free installation, it is recommended that you copy the whole unzipped installation folder to the local machine on which you intend to install *NESTINGWorks*.
- Do not use mapped drives to launch the *NESTINGWorks Installer* on the local machine.

This unzipped folder is the ***NESTINGWorks Installer Package*** and contains the following:

1. The 64-bit installer (  *NESTINGWorks202Xx64-XXX* ) for installing the *NESTINGWorks* application.
2. The ***LicenseManager*** folder containing the installer for the *NESTINGWorks License Manager* utility (  *NWLicenseManagerSetup\_YYDDMM.exe* ).
3. Configuration settings file (  *NWAppsInstaller* )



## 4. INSTALLING NESTINGWORKS

This chapter provides NESTINGWorks Installation Info and details on how to install the *NESTINGWorks* application.

### Latest NESTINGWorks Version

The latest version of *NESTINGWorks* is ***NESTINGWorks 2024 SP3***.

All officially released NESTINGWorks versions are available for download in the [NESTINGWorks Downloads](#) section under [Downloads Area](#) of the CAMWorks website (<http://www.camworks.com>).

### NESTINGWorks Setup Content

The installer for *NESTINGWorks* application installs the following:

#### i. NESTINGWorks Application and System Files

These files are typically installed at the following folder location:

***Drive:\Program Files\NESTINGWorks 2024x64***

#### ii. The Help Manuals in Adobe PDF format

#### iii. Data files

- Tutorial part models and assemblies
- Sample part models and assemblies

Up on installation, these files are typically copied at the following folder location:

***C:\ProgramData\NESTINGWorksData\NESTINGWorks 2024x64***

**Note:** This folder location needs write permission.

### Software Programs/ Utilities installed along with NESTINGWorks

When the *NESTINGWorks* application is installed using the Installation Wizard, the following two software programs will always be installed along with the *NESTINGWorks 2024x64* application:

#### i. Hardware Dongle License Driver (Sentinel Protection Installer 7.6.9)

This refers the Sentinel Driver essential for *NESTINGWorks* to read the Hardware Dongle license. The current version is ***Sentinel Protection Installer 7.6.9*** . This program will be required only if you use Hardware Dongle based licensing for NESTINGWorks.



### ii. CAMWorks License Manager

This application is essential for managing the license used for running the *CAMWorks* or *NESTINGWorks* application. This application can manage both FlexLM Software and Hardware Dongle based licensing.

## Installing NESTINGWorks Application

1. Copy the downloaded *NESTINGWorks Installer Package* to the system on which you wish to install the NESTINGWorks application. Ensure the zip folder is unzipped.
2. Open the downloaded *NESTINGWorks Installer Package* and run the executable file ***NESTINGWorks2024x64.exe***.
3. Installation runs only in *Administrator* mode, so you would need admin login and password, if prompted.
4. Follow the simple steps given in the Installation Wizard to complete the installation of *NESTINGWorks*.

*NESTINGWorks* asks for the folder location to install/copy the following:

- a. Install executable files and System files. Default location for installation files is:  
***Drive:\Program Files\NESTINGWorks 2024x64***
- b. Copy data files. Data files include tutorials, sample files and the INI files to setup the machines and the sheets. The default data location is:  
***C:\ProgramData\NESTINGWorksData\NESTINGWorks 2024x64.***

**Note:** You cannot specify any user-defined location for these Data files.

- c. The default location for INI files is:  
***C:\ProgramData\NESTINGWorksData\NESTINGWorks 2024x64\Config folder***
5. The *License Manager* utility and [Sentinel Protection Installer 7.6.9](#). (Hardware Dongle License Driver) program will be automatically installed along with *NESTINGWorks* application.



## Running NESTINGWorks

*NESTINGWorks* runs as an Add-In in *SOLIDWORKS*. To run *NESTINGWorks*, you need to launch *SOLIDWORKS*.

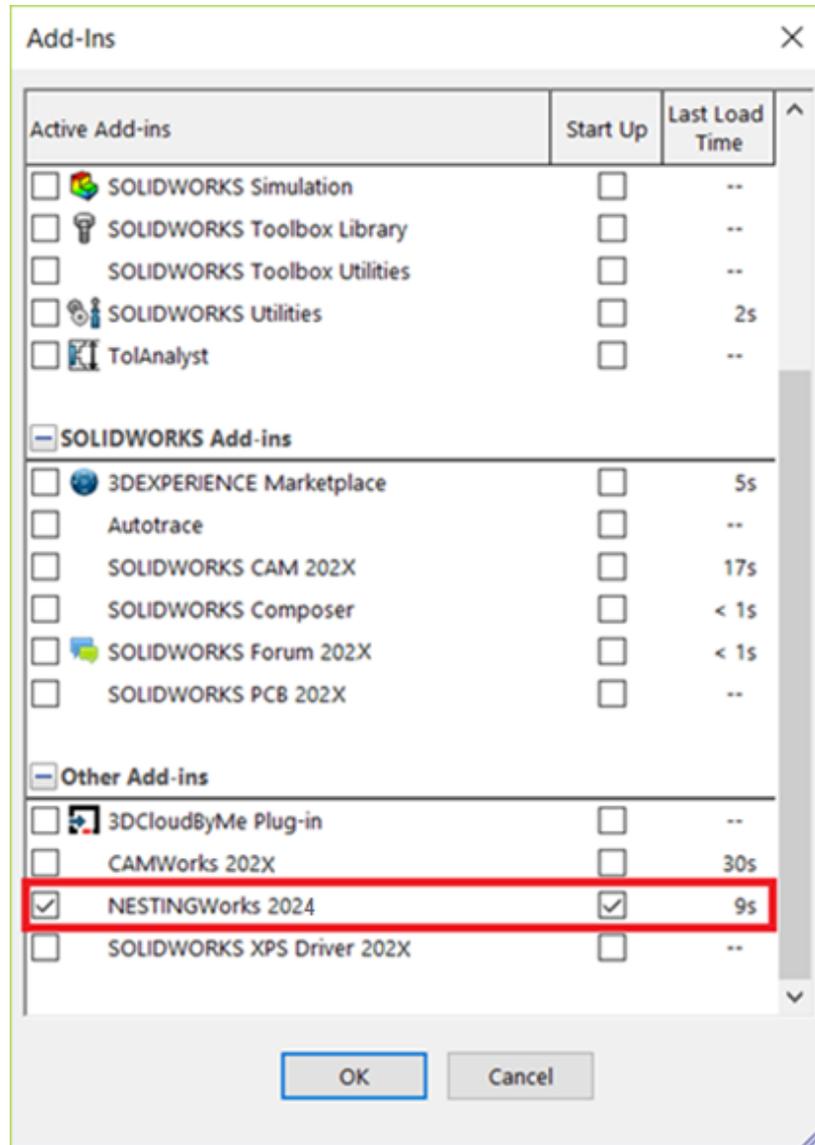
1. Launch the Solid Modeler ***SOLIDWORKS***.

The *NESTINGWorks* splash screen will display to indicate that ***NESTINGWorks 2024*** has also been loaded as an Add-in within the *SOLIDWORKS* environment.



**Logo displayed when NESTINGWorks is launched within SOLIDWORKS**

2. If the *NESTINGWorks* logo does not display, it usually indicates that *NESTINGWorks* has not been loaded as an Add-in within *SOLIDWORKS*. In such case:
  - i. Click on the  **Options** button on *SOLIDWORKS* and select **Add-Ins** from the dropdown menu.
  - ii. The **Add-Ins** dialog box is displayed.  
If ***NESTINGWorks 2024 SP3*** is listed in **Active Add-Ins**, then it indicates that it was successfully installed.
  - iii. Check the checkbox to the left of ***NESTINGWorks 2024 SP3*** listed in **Active Add-Ins**.
  - iv. Click **OK** to close the dialog box.



Selecting NESTINGWorks as an Add-In within SOLIDWORKS

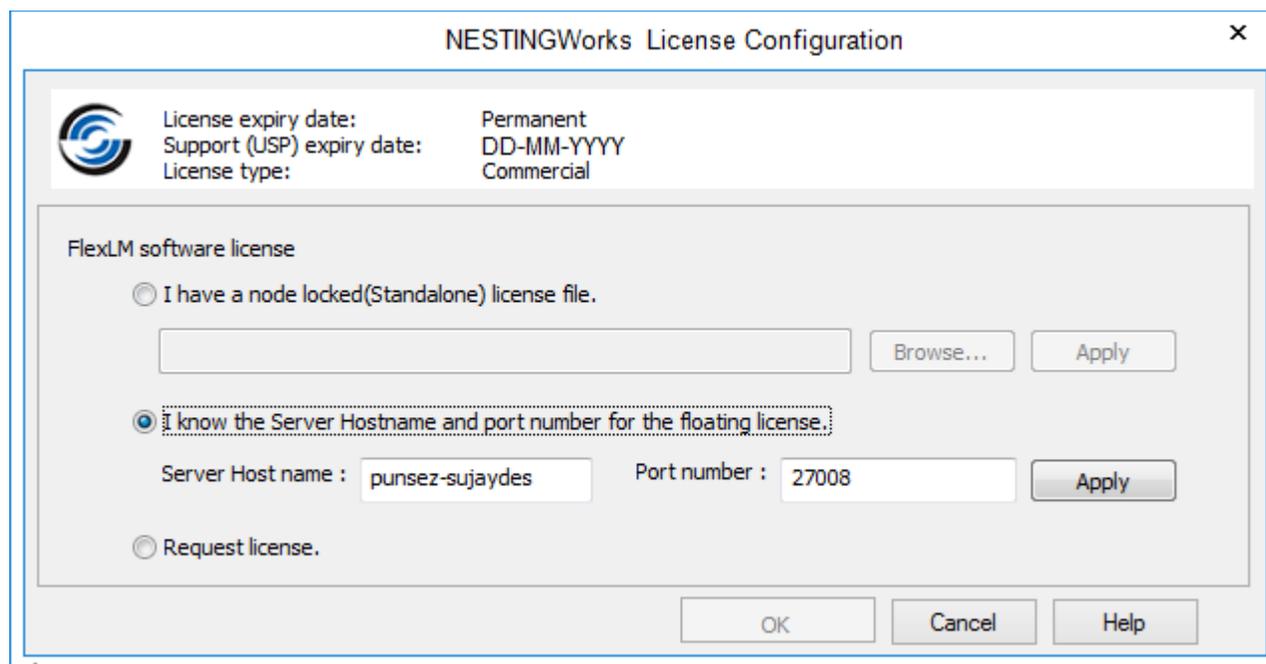
- Valid license is needed to run *NESTINGWorks*. If valid license is not available, then following dialog will be displayed at the beginning. Use this form to either request a license or to configure a license. *NESTINGWorks* Add-in will not be loaded if valid license is not detected. Please refer to **License Activation Guide** to get detailed information on licensing. This document can be accessed from the Windows *Start* menu by selecting:

**All Programs>>NESTINGWorks 2024x64>>License Activation Guide**

- Open a sample model part or assembly in SOLIDWORKS. Observe that the **NESTINGWorks Ribbon Bar** is displayed.



To learn how to use NESTINGWorks, we recommend that you go through the exercises given in the User Guide & Tutorials. To open a tutorial, select **Start** on the Windows task bar, then select **All Programs>>NESTINGWorks 2024x64** and pick the **User Guide & Tutorials** manual.



**NESTINGWorks License Configuration Dialog Box**

## Next Step: License Activation

After installation, the *NESTINGWorks* application requires a valid license in order to run it. The license for the application can only be purchased through an authorized Reseller.

Depending on whether you purchase a single-user standalone license or multi-user floating network license, the steps involved in License Activation will vary.

Please refer the ***NESTINGWorks License Activation Guide*** document present within the *License Activation Guides* folder for the steps involved in activating the license for *NESTINGWorks* application.

Once *NESTINGWorks* is installed, this document can be accessed from the Windows *Start* menu by selecting:

***All Programs>>NESTINGWorks 2024x64>>License Activation Guides***