



An HCL Technologies Product

**PUBLISHER**

[www.camworks.com](http://www.camworks.com)

# INSTALLATION GUIDE



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**Product Name: ShopFloor Publisher**



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# **1. CAMWORKS SHOPFLOOR PUBLISHER: AN INTRODUCTION**

## **What is CAMWorks ShopFloor Publisher?**

The *CAMWorks ShopFloor Publisher* is a newly introduced utility program that enables you to generate ShopFloor files (\*.cwsplr) for a part model/ assembly that has been programmed using the following CAD application:

- SOLIDWORKS CAM 2020 SP0 (or any higher version)

ShopFloor files thus generated can be opened and viewed in a separate application named ***CAMWorks ShopFloor***.

## **Purpose served by the CAMWorks ShopFloor Publisher & CAMWorks ShopFloor applications**

Both the *CAMWorks ShopFloor Publisher* and *CAMWorks ShopFloor* applications serve a common purpose and goal of serving as powerful and easy-to-use CAM collaboration applications by bridging the communications between CAM programmers and Machinists on the Machine ShopFloor.

- The *CAMWorks ShopFloor Publisher* application is usually installed on Windows Systems used by CAM Programmers who use SOLIDWORKS CAM to program the part models/assemblies. It allows the programmers to generate ShopFloor files for the part models/assemblies that have been programmed (i.e. toolpaths and NC code/G-code have been generated for the part models/assemblies).
- Programmed part models/ assemblies are machined at the Machine ShopFloor by machinists. In the absence of a collaboration tool like *CAMWorks ShopFloor* application, machinists rely on the Setup Sheets and NC code files provided by the CAM programmers for machining the part models/assemblies. They have no means to view, step through or simulate individual toolpaths. If the *CAMWorks ShopFloor* application is installed on the systems used by machinists, then they can use this application to view the ShopFloor files provided by the CAM programmers. The ShopFloor files allow them to:
  - i. Step through or Simulate the toolpaths of the part model/assembly
  - ii. Generate Setup Sheets for the part model/assembly
  - iii. View G-code/ NC code for the part model/assembly

Thus, using a combination of the ***CAMWorks ShopFloor Publication*** and the ***CAMWorks ShopFloor*** application can accelerate the manufacturing process in a cost-effective by enabling the machinists at the manufacturing facility to view



the part models/assemblies to be machined, simulate the toolpaths to avoid machining errors, verify G-code and generate Setup Sheets.

### **Intended users of ShopFloor Publisher Application**

The CAM programmers who use the *SOLIDWORKS CAM* application are the intended users of the *CAMWorks ShopFloor Publisher* application.

### **Licensing for the ShopFloor Publisher Application**

The *CAMWorks ShopFloor Publisher* application is basically a freeware subject to the condition that the user possesses a valid *SOLIDWORKS* license that is configured to run the *SOLIDWORKS CAM* application. It needs to be installed on the same Windows system on which the *SOLIDWORKS* application is installed.

### **Topics covered in this Document**

This document is an *Installation Guide* that covers the following aspects with respect to the *ShopFloor Publisher* application.

- [System Requirements to install the CAMWorks ShopFloor Publisher application](#)
- Steps for [installing the CAMWorks ShopFloor Publisher application](#)



## 2. SYSTEM REQUIREMENTS

Before installing *CAMWorks ShopFloor Publisher*, ensure that the following system requirements are fulfilled:

### Supported Microsoft Windows® Operating Systems

- 64-bit version of Windows 10
- 64-bit version of Windows 8.1
- 64-bit version of Windows 7 (SP1 or higher)

\*\* Home editions of the above Operating Systems are not supported.

### Supported CAD Applications

In order to run the *CAMWorks ShopFloor Publisher* application, the following CAD application with valid license needs to be installed on the system:

- SOLIDWORKS 2020 or higher versions

### Supported CAM Applications

In order to run the *CAMWorks ShopFloor Publisher* application, the following CAM application needs to be installed on the system:

- SOLIDWORKS CAM 2020 or higher versions

(The SOLIDWORKS license needs to be configured to run the SOLIDWORKS CAM application.)

### Hardware Requirements

Same hardware requirements as those for SOLIDWORKS application.

### Adobe Reader

The *CAMWorks ShopFloor Publisher* manuals and other documents are in PDF format. The Adobe Reader or equivalent application is necessary to view, read, navigate, search and print the *CAMWorks ShopFloor Publisher* manuals.

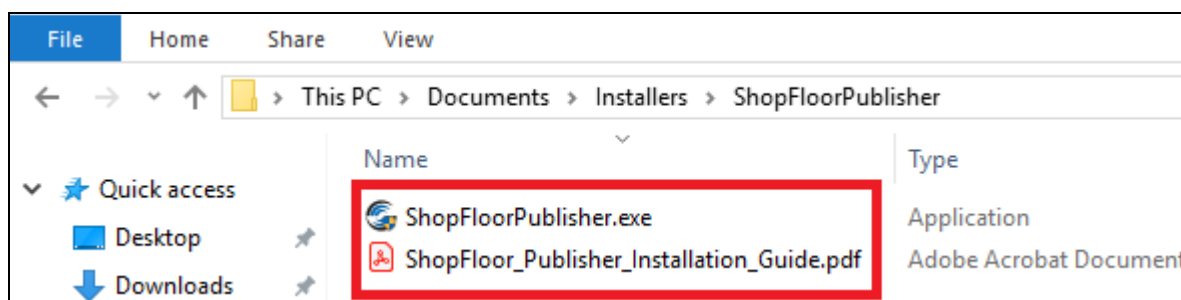


### 3. INSTALLING SHOPFLOOR PUBLISHER APPLICATION

#### Running the CAMWorks ShopFloor Publisher Installation Wizard

Given below are the steps to be followed in the *CAMWorks ShopFloor Publisher Installation Wizard* when installing the *CAMWorks ShopFloor Publisher Application*. Follow the simple instructions given in the *Installation Wizard* to complete the installation process of this application.

1. Ensure that the system meets the [System Requirements](#) on the machines on which you intend to run *CAMWorks ShopFloor Publisher*.
2. Unzip the *CAMWorks ShopFloor Publisher Installer Package* and copy it to a drive on the system on which it is to be installed.



Contents of the Unzipped CAMWorks ShopFloor Publisher Installer Package

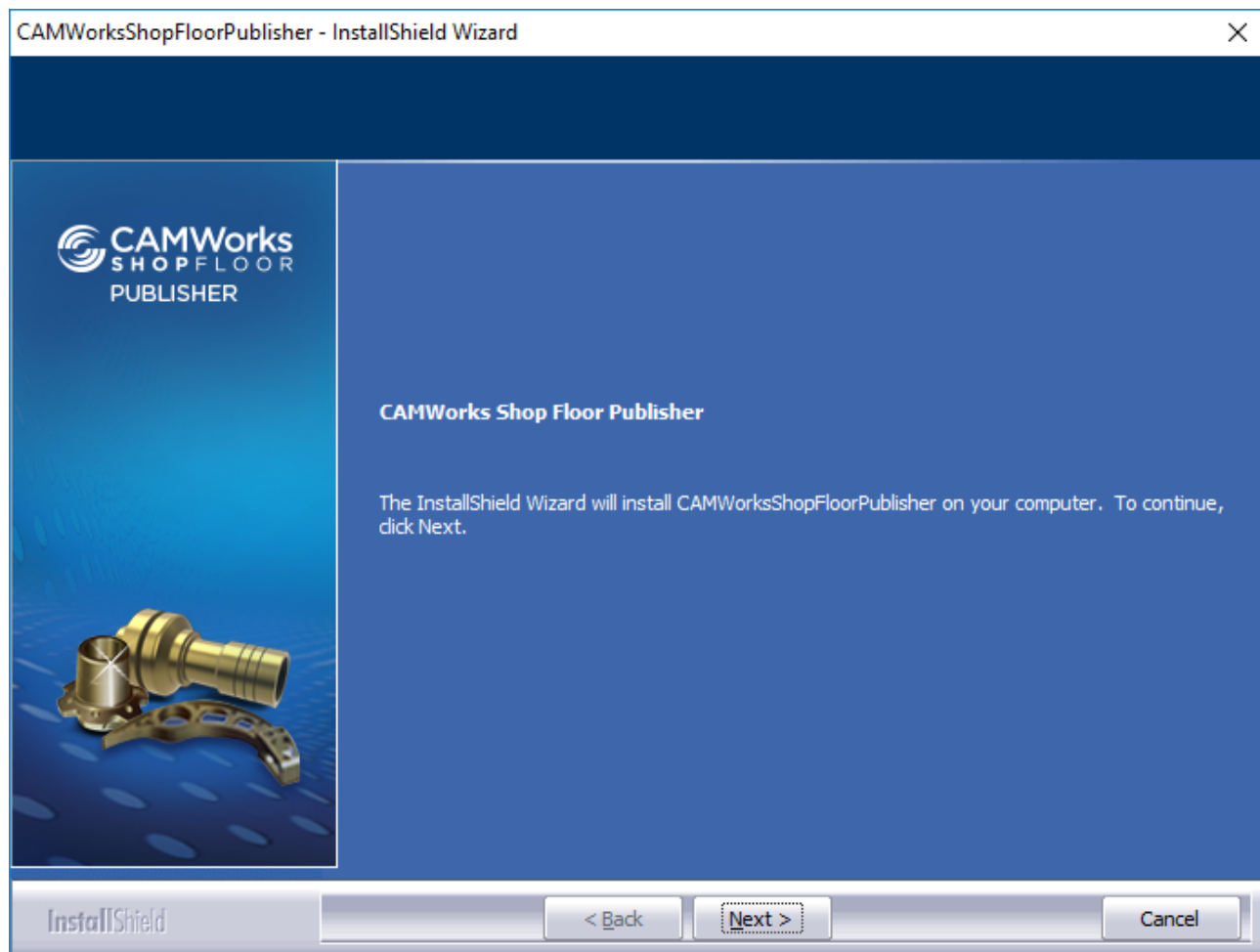
3. Open the unzipped *CAMWorks ShopFloor Publisher Installer Package* folder and run the installer exe for the *CAMWorks ShopFloor Publisher* application ([ShopFloorPublisher.exe](#)) with admin privileges.

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**Note:**

- For a hassle-free installation, it is recommended that you copy the whole unzipped Installation Package folder to the local machine.
  - Do not use mapped drives to launch the CAMWorks ShopFloor installer.
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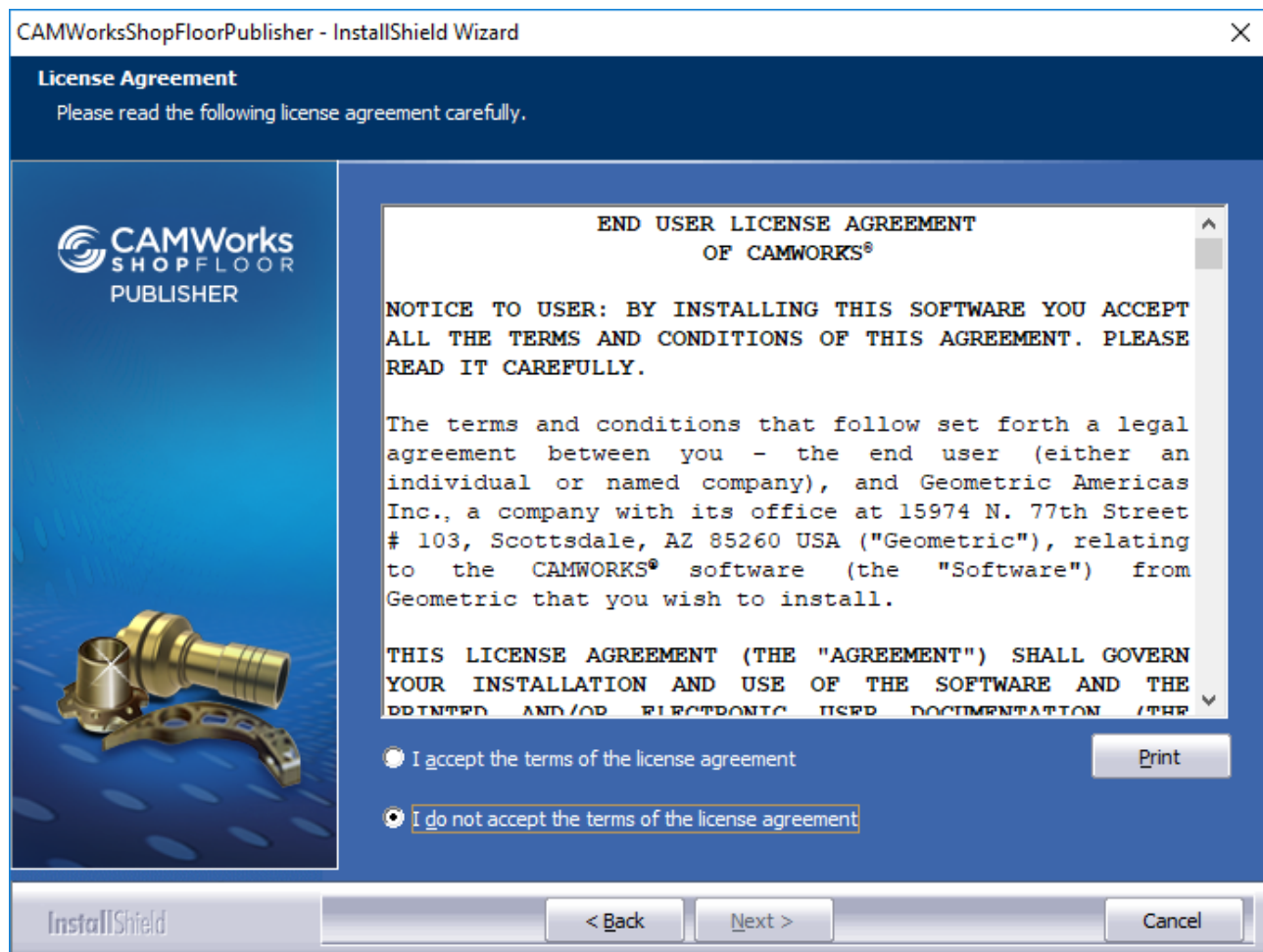
4. The welcome screen of the *Installation Wizard* will be displayed. Click on the **Next** button.



**Welcome Screen of CAMWorks ShopFloor Publisher Installation Wizard**

5. The *Installation Wizard* will then display the **End User License Agreement** for *CAMWorks ShopFloor Publisher*. Select the Click the **I accept the terms of the license agreement** option and click the **Next** button to proceed.

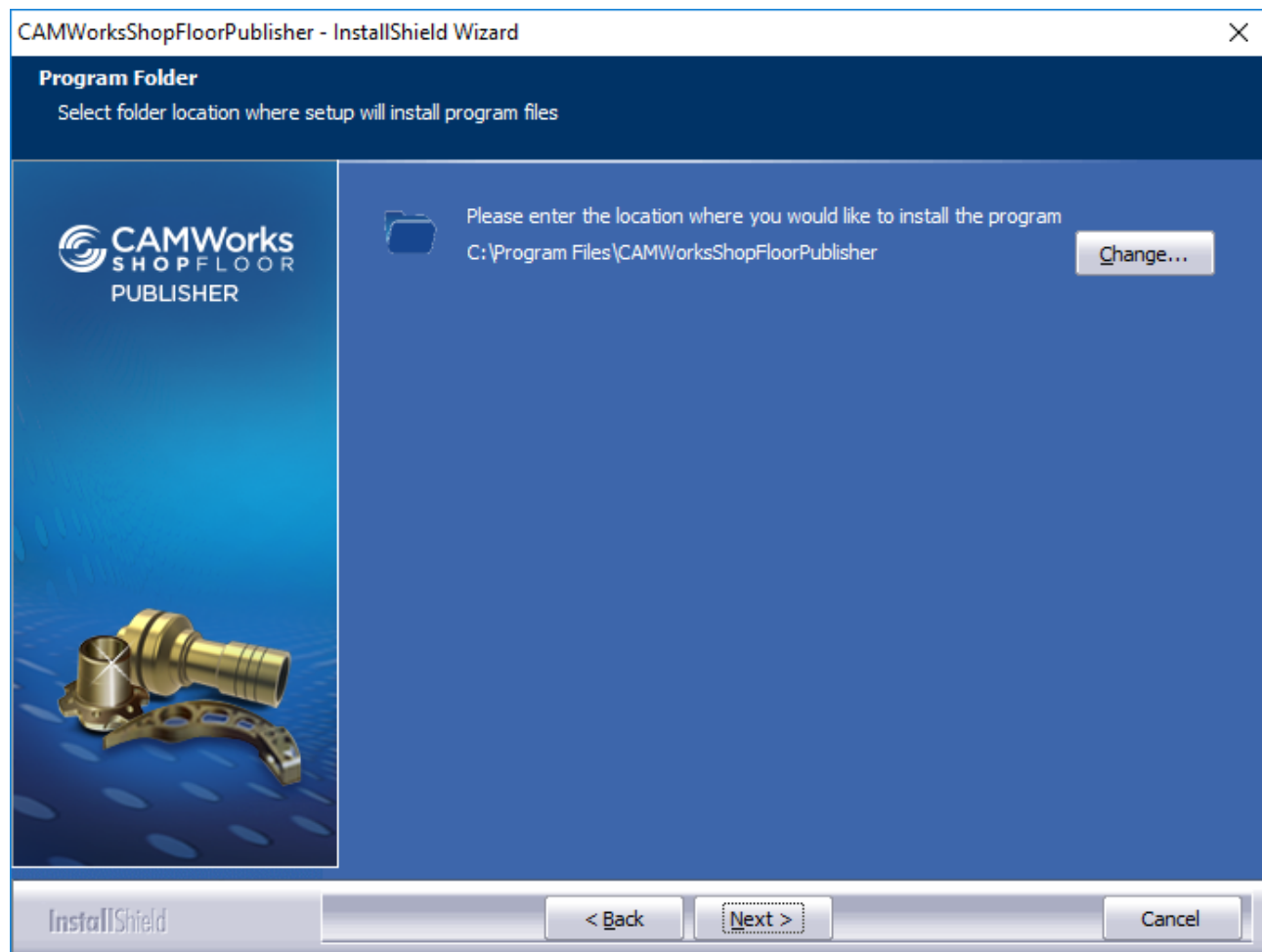




End User License Agreement displayed within CAMWorks ShopFloor Publisher Installation Wizard

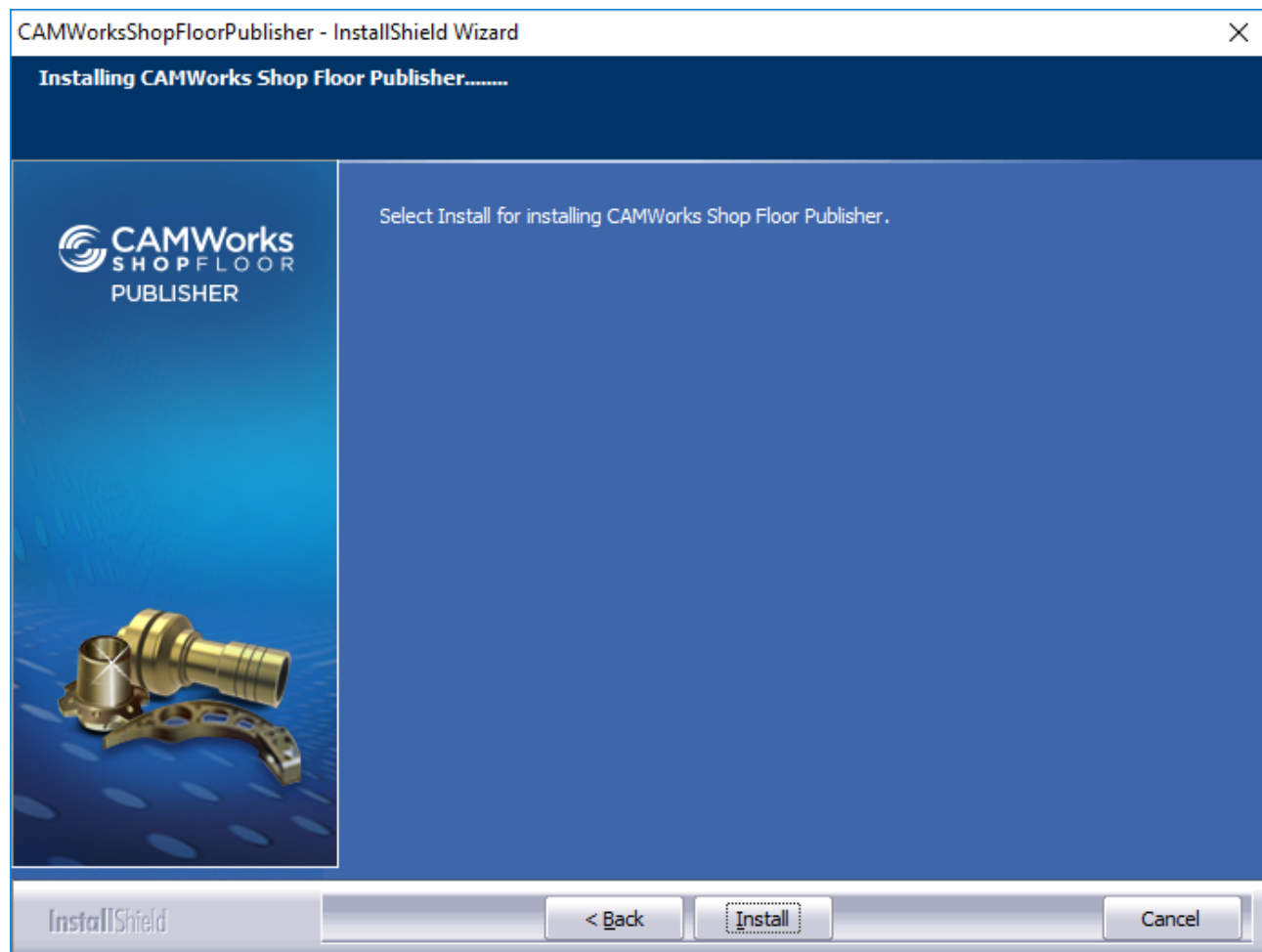
6. The *Installation Wizard* will prompt you set the location for the *CAMWorks ShopFloor Publisher* installation files. Default location will be displayed within the **Program Folder** page of the *CAMWorks ShopFloor Publisher Installation Wizard*.

You can either retain this default location or change the folder location by using the **Change..** button provided within the page of the *Installation Wizard*. Click **Next** to proceed.



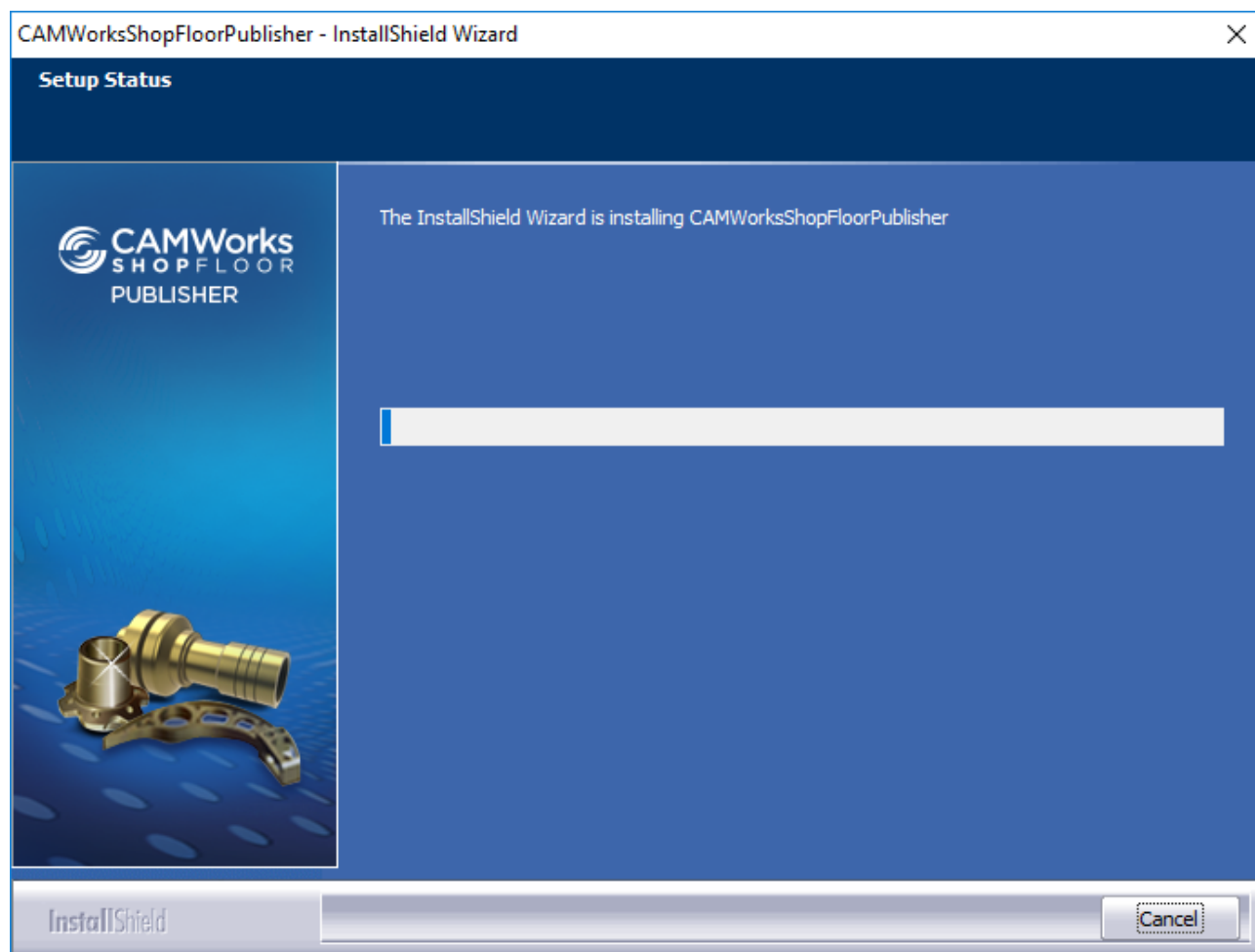
**Set Folder location for CAMWorks ShopFloor Publisher Application's Installation Files**

7. The *Wizard* will now display the ***Installing CAMWorks ShopFloor Publisher...*** page. Click on the ***Install*** button to commence installation.



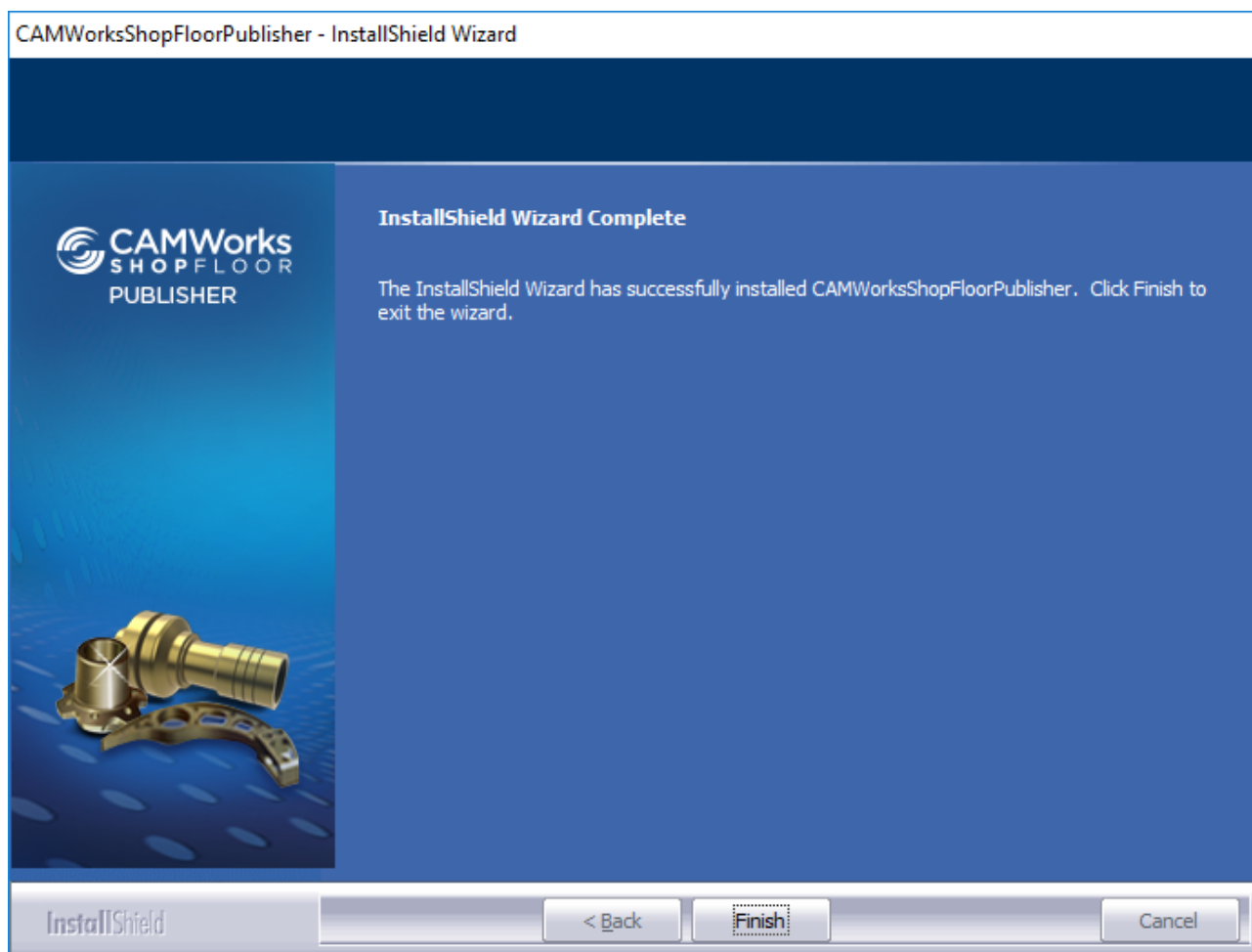
**'Installing CAMWorks ShopFloor Publisher' page of the Installation Wizard**

8. The *Installation Wizard* will commence the installation process. The *Setup Status* page of the Installation Wizard will be displayed as long as the installation is in progress. A progress bar will indicate the progress of the installer.



Setup Status page of Installation Wizard indicating Progress and Status of the installation

9. Once the installation is complete, click the **Finish** button to exit the Wizard.



Click 'Finish' button once installation is complete to exit the Installation Wizard

10. Repeat the above steps 1 to 9 on all the Windows machines on which the *CAMWorks ShopFloor Publisher* application is to be run.

## Launching CAMWorks ShopFloor Publisher Application

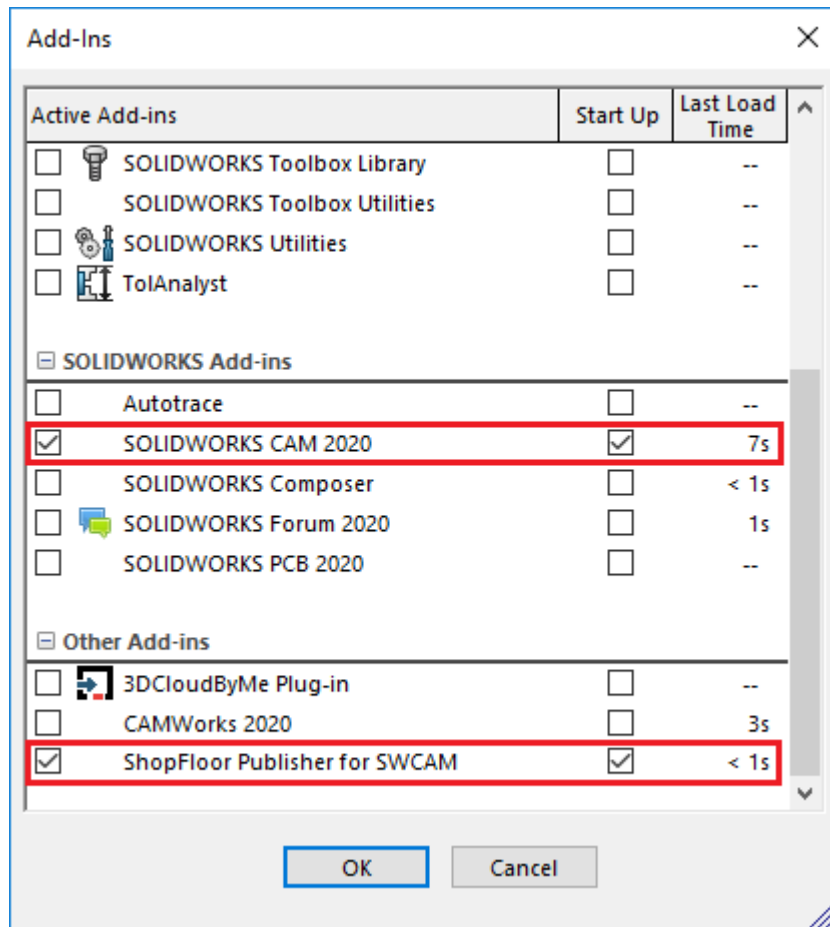
Once installed, the *CAMWorks ShopFloor* application can be launched as an Add-in within the *SOLIDWORKS* environment. Note that no shortcut menu items for launching this application will be available in the *Windows Start* menu or on the desktop.

1. Run the *SOLIDWORKS* application.
2. Once *SOLIDWORKS* is launched, click on Add-Ins button within the *SOLIDWORKS* environment.
3. The *Add-Ins* dialog box will be displayed. All software tools that can be launched as Add-Ins within the *SOLIDWORKS* environment will be displayed. Observe



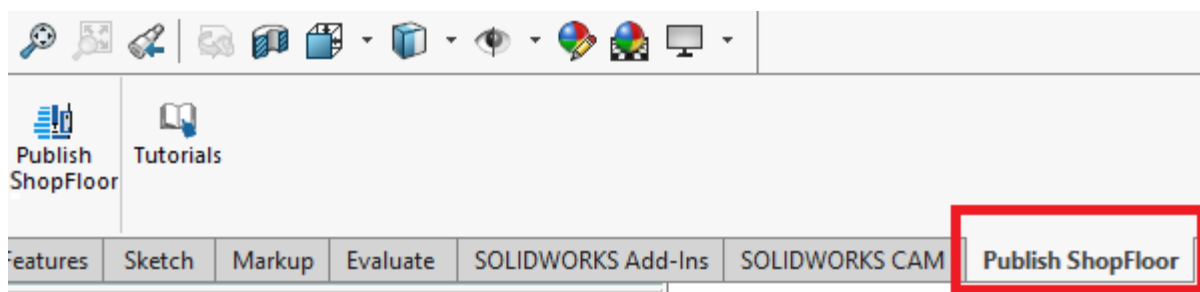
that the *CAMWorks ShopFloor Publisher* application is listed as **ShopFloor Publisher for SWCAM** listed in this dialog box.

- To load this application as an Add-In, place a check in the **Active Add-Ins** and **Start Up** checkboxes for **ShopFloor Publisher for SWCAM**.
- A pre-requisite to run this application is that the SOLIDWORKS CAM application too must be loaded simultaneously as an Add-In. Hence, ensure that the checkboxes for loading this application too is checked.





**Loading CAMWorks ShopFloor Publisher application as an Add-In in the SOLIDWORKS Environment**

- Click the Ok button in the Add-Ins dialog box to load the selected applications within the SOLIDWORKS environment.
- Once successfully loaded, the **Publisher ShopFloor** Ribbon bar will become available in the *Command Manager* area of the SOLIDWORKS environment.



**Publish ShopFloor Ribbon Bar in Command Manager area of SOLIDWORKS**

8. Use the **Publish ShopFloor**  command available on this ribbon bar to publish *ShopFloor* files (\*.cwsplr).
9. Click on the **Tutorials**  command available on this ribbon bar to view the tutorial document (PDF format) to understand the steps involved in publishing *ShopFloor* files.