

READ THIS FIRST

AutobuildZ™ (Release 1.0)

A Downloadable Application for Pro/ENGINEER® Wildfire™

Important Information for Installing and Using AutobuildZ

Operating Systems

Operating system requirements for running AutobuildZ for Pro/ENGINEER with Pro/ENGINEER Wildfire are in the following table:

Operating System	Requirement
Microsoft Windows 2000	Base OS, Service Pack 1, 2, and 3
Microsoft Windows NT 4.0	Service Pack 5 and 6a
Microsoft Windows XP	Windows XP Professional Edition or Windows XP Home Edition, Base OS and Service Pack 1

Pro/ENGINEER Software Requirements for AutobuildZ for Pro/ENGINEER

AutobuildZ for Pro/ENGINEER Release 1.0 can be used with Pro/ENGINEER Wildfire. Use AutobuildZ Release 1.0 with Pro/ENGINEER Wildfire date code 2003100 or later.

Licensing

AutobuildZ for Pro/ENGINEER is a free plug-in application for Pro/ENGINEER Wildfire. No special licenses are required to run AutobuildZ other than the Pro/ENGINEER license.

Installation Instructions

AutobuildZ for Pro/ENGINEER is packaged as a zipped file. To install AutobuildZ, perform the following steps:

1. On Windows, create a directory, `autobuildz_install`.
2. Extract the contents of the zipped file into the `autobuildz_install` directory.
3. Start Windows Explorer and browse to the `autobuildz_install` directory.
4. Double-click `setup.exe`. The main window of the PTC.Setup installation utility opens.
5. Click **Next**. The **Accept License Agreement** window opens.
6. Click **I accept the License Agreement**.
7. Click **Next**. The **Define Installation Components** dialog box opens.
8. Retain the default installation directory or specify a new directory in the **Installation Directory** box.
9. Under **Platforms**, select the platform for the installation. Your machine's architecture is automatically detected and selected as the default platform.

Note: The **Languages** option is unavailable because AutobuildZ for Pro/ENGINEER is only available in English.

10. Under **Components**, select the required components that you want to install. The **AutobuildZ files** and **PTC.Setup** components are selected by default.

11. Click **Next**. A message appears asking you to confirm that you want to create the installation directory.
12. Click **OK**. The **Installation Progress** window and the **Install files** dialog box open.
13. Click **Yes** in the **Install files** dialog box to start the installation process. The progress bar indicates the progress of the installation. When the installation is complete, the **Installation Complete** window opens.
14. Click **Yes** to quit PTC.Setup.

General Installation Notes

- It is recommended that you move the `config.pro` and `config.win` files from the installation directory into your working directory to start AutobuildZ with Pro/ENGINEER. Make sure that you do not overwrite any existing configuration file that you want to retain. You may want to append your custom `config.pro` file information to the new AutobuildZ `config.pro` files. You must reset your `config.win` settings using the new AutobuildZ `config.win` as the starting point.
- Optionally, move the `config.abz` file with the preference settings for AutobuildZ from the installation directory into your working directory. If this file is not available in the working directory, AutobuildZ creates a `config.abz` file with default values.

Starting AutobuildZ for Pro/ENGINEER

Note: To start AutobuildZ with Pro/ENGINEER Wildfire, make sure that the `config.pro` and `config.win` files exist in the Pro/ENGINEER working directory.

1. Start Pro/ENGINEER Wildfire. Pro/ENGINEER Wildfire startup loads the AutobuildZ application. The Pro/ENGINEER main window opens.
2. In Pro/ENGINEER Wildfire, click **File > Open** and open an existing Pro/ENGINEER drawing or create a drawing in session by importing a drawing from any of the supported 2D formats.
3. Click **Tools > AutobuildZ** on the main menu to access AutobuildZ. The AutobuildZ toolbar is also available to the right of the graphics window.

Accessing Documentation

After AutobuildZ for Pro/ENGINEER starts, click **Tools > AutobuildZ > Help** to start Internet Explorer and access the online Help.

Quitting AutobuildZ

After a session in AutobuildZ, click **File > Save** or **File > Save a Copy** to save your work. The drawing and the associated parts created using AutobuildZ are saved in the working directory.

Supported Languages

AutobuildZ for Pro/ENGINEER is currently available only in English.

Known Issues

The known issues in AutobuildZ version 1.0 are as follows. Workarounds for some of these issues are provided.

- Removing an entity from an AutobuildZ layer that is blanked or deleting a blanked AutobuildZ layer from the Layer Tree as part of the cleanup of a drawing does not display such entities on the drawing.
Workaround: Perform an action in the Layer Tree such as blanking and then unblanking an existing layer to display entities removed from a blanked AutobuildZ layer or those present on a blanked layer that is deleted.

- During the automatic cleanup of a drawing, the options under **Select by Entity Color** in the **Cleanup** dialog box may not work.
Workaround: Switch to the manual method of cleanup of the drawing and click **Select by Entity Color** on the **Cleanup** dialog box. Select an entity on the drawing. All entities on the drawing that are of the same color as the selected entity are blanked.
- You can only select linear entities, that is, 2D line entities, as cutting reference planes and view reference points for the creation of sectional, auxiliary, or detailed views.
- **Trim** under **Section Profile Fix Options** in the **Section Profile Validation** dialog box may fail in complex cases.
Report such issues electronically to autobuildz@ptc.com.
- Section profile validation may not work when arcs or lines intersect.
Report such issues electronically to autobuildz@ptc.com.
- You must select a reference entity on the drawing using the feature creation wizard to define the depth of a straight hole or extruded feature or the angle of revolution for a revolved feature from the same view as the reference entity selected to define the section profile.
- When datum planes are automatically used as sketching planes during feature creation, only default datum planes (TOP, FRONT, and RIGHT) or planes that are parallel to these default datum planes are selected to represent the sketching planes. That is, you can only select line entities that are either vertical or horizontal in the orthographic views as the references for sketching planes in the feature creation wizards.
- The direction of extrusion for an extruded feature or revolution for a revolved feature is not determined automatically. It is based on the references that you select to represent the sketching plane and the depth or the angle of revolution.
Workaround: Use the **Flip** option on the relevant feature creation wizards to set the direction of the extrusion or revolution.
- When creating features using feature creation wizards, you cannot select 2D conic and spline entities on the drawing.

Reporting Issues

Since AutobuildZ is provided as a free plug-in application for Pro/ENGINEER Wildfire, technical support is not provided. However, you can report issues, request enhancements, and send feedback electronically to autobuildz@ptc.com.

To report issues, include the following information:

Contact Information

- **Name:** Your full name.
- **Company:** Your company's name.
- **E-mail:** The e-mail address at which you can be contacted.
- **Phone:** The telephone number at which you can be contacted.

Software Information

- **Wildfire Version:** Specify the date code of the Pro/ENGINEER version that you are using with AutobuildZ, for example, 2003100. See **Help > About Pro/ENGINEER** for information about the date code.
- **AutobuildZ Version:** Specify the version of AutobuildZ that you are using, for example, AutobuildZ 1.0. See **Tools > AutobuildZ > About AutobuildZ** for information about the version.

Hardware Information

- **Operating System:** Specify the operating system of the computer on which AutobuildZ is installed, for example, Windows 2000 Professional.
- **Hardware:** Specify the hardware configuration of the computer on which AutobuildZ is installed, for example, Dell Precision M40.

Issue Description

- **Short Description:** Provide a one- or two-sentence description of the issue that you are reporting.
- **Detailed Description:** Provide a detailed description of the issue that you are reporting and include any actions that you have taken.
- **Area of functionality:** Choose from the following:
 - Preferences
 - Cleanup
 - View Setup
 - Part Setup
 - Extrude Feature Wizard
 - Revolve Feature Wizard
 - Straight Hole Feature Wizard
 - Sketched Datum Curve Feature Wizard
 - Sketched Datum Point Feature Wizard
 - Datum Plane Feature Wizard
 - Section Profile Validation and Fix
 - Multiple Selection
 - Other (specify)

Severity of the Issue

Choose from the following:

- X if Pro/ENGINEER crashes
- N if Pro/ENGINEER does not crash, but does not perform the task as expected or documented, and there is no reasonable workaround.
- W if Pro/ENGINEER does not crash, but does not perform the task as expected or documented, and there is a reasonable workaround.
- D if the online Help is incomplete or ambiguous.
- E if the issue on which you are reporting involves a functionality that is currently unavailable in AutobuildZ, but you would like PTC to provide in a future AutobuildZ release.

Files to Include

Please provide the following files as e-mail attachments so that we can recreate the issue at PTC:

- Pro/ENGINEER trail file
- Files referenced by the Pro/ENGINEER trail file that include the following:
 - Pro/ENGINEER drawing (*.dwr)
 - 2D Interface file, for example, the imported DXF file
 - Any Pro/ENGINEER part or parts associated with the Pro/ENGINEER drawing

- `Config.pro` or `config.win` or both files, if you are not using the default configuration files installed with AutobuildZ

Trademark Acknowledgments

Registered Trademarks of Parametric Technology Corporation or a Subsidiary:

Parametric Technology Corporation, Pro/ENGINEER, and PTC. **Trademarks of Parametric Technology**

Corporation or a Subsidiary: AutobuildZ and Wildfire. **Third-party trademarks:** Dell and Dell Precision are

trademarks of Dell Computer Corporation. Windows and Windows NT are registered trademarks of

Microsoft Corporation in the United States and/or other countries. All other brand or product names are trademarks or registered trademarks of their respective holders.

