

PBFT Quick Start Guide.

This guide is designed to help you quickly start using the Peel Back Force Tester (PBFT). For more detailed setup instructions, please refer to the "FORCEWare User Manual."

After unpacking, you should have the following items:

1. **PBFT**
2. **Documentation Package**
 - a. Gauge Certification
 - b. CE Declaration of Conformity.
 - c. Gauge Warning card
 - d. Software Download instructions
3. **Accessories box**
 - a. Reel Arm and Shaft with collar.
 - b. USB Cable
 - c. Power Cable

If you have ordered the following items together with the PBFT, they will be included:

1. **PBT-123 Weight verification kit**
 - a. Weights 20g, 50, 100g, 200g
 - b. Gauge block.
 - c. Pivot arm.
 - d. Weight and gauge block certification papers.
2. **Computer**
 - a. Preloaded with FORCEWare and InstaCal.
3. **Monitor**
4. **Label Printer**
 - a. For printing the results of a test.

PBFT Setup

Attach the reel arm assembly to the PBFT using the supplied **(2) 10-32 x 1/2"** bolts and attach the shaft to the reel arm using the supplied **1/4-20 x 3/4"** bolt.

Connect the PBFT to the computer using the USB cable. Plug in the power cable, turn on the PBFT and the Strain Gauge, then proceed to the computer setup section.

Warning: The PBFT and Strain Gauge must be powered on and connected to the computer before installing the FORCEWare software.

Computer Setup and Software Install

Computer Operating system requirement: Windows 10 Pro or later.

See User manual for the full requirements of the computer.

This guide assumes that the computer is new and has not had FORCEWare installed previously.

NOTE: A GPD Global supplied computer comes preloaded with FORCEWare and InstaCal, ready to use once user accounts are set up.

Assemble the computer that will be used to install the FORCEWare software. Once it's assembled, start the computer, and proceed with the installation process.

1. Please follow the instructions provided in the Software download sheet, to download FORCEWare from the official GPD Global website.
2. Once downloaded Unzip/expand the .zip file.
3. In the folder where the .zip file was unzipped/expanded, double-click on the **icalsetup.exe** file.

4. Please follow the instructions that are presented on the InstaCal setup screens carefully.
5. Be sure to reboot your system when prompted by the InstaCal installer before proceeding.
6. Double-click the **FORCEWare.msi** file and follow the instructions presented.
7. When the PBFT/FORCEWare Configuration Utility window opens enter the serial number of the PBFT and click on Finish.

Initial Startup

InstaCal

1. To launch InstaCal, locate its icon in the Start Menu and click on it.
 - a. When InstaCal is launched for the first time, it will automatically detect the board in the PBFT.
 - b. Close InstaCal

FORCEWare

Account Setup

1. To launch FORCEWare, locate its icon on the Desktop and double-click on it.
 - a. You will be asked for a Username and Password in the main window.
 - b. Please enter "**administrator**" as the Username and then click on the Login button.
 - c. You will be asked to create a password for the Administrator login.
 - d. In the Account Manager, set up user accounts for PBFT and configure their access rights.
 - e. Exit Account Manager and Logout

PBFT Calibration

1. If FORCEWare is closed, locate its icon on the Desktop and double-click on it.
 - a. Login with a user account previously setup.
 - b. Configure the PBFT with the computer by going to Setup -> Calibrate PBFT. Press the Reset button to erase the results above the button.
 - c. Set the Speed Select switch to 100mm and then click on the "Calibrate" button.
 - d. After taking a reading in the field, move the switch to the next position and click "Calibrate" again.
 - e. Repeat the process until the entire switch range is displayed in the window.
 - f. Click Accept
 - g. Configure the Strain Gauge by going to Setup -> Calibrate Strain Gauge.
 - h. Ensure that there is no load, and the strain gauge has been zeroed. Then, click on the "Calibrate" button for the "No Load" setting.
 - i. To calibrate the strain gauge, place a load between 150-200g and wait for it to stabilize. Click "Calibrate" for "With Load".
 - j. Click Accept

PBFT setup is complete.

To run a test, Open the "Control Center" by going to PBFT -> Activate PBFT.

If you want to customize the graph according to your preferences, you can use the Options button.