



What is the use of a perforation tester in the packaging industry?



The appropriate packaging has a tremendous influence on increasing the shelf life of food goods and so preserving their nutritious content. Therefore, it is important for you to select the appropriate packaging material so as to deliver accurate products to your customers. A perforation can be a small hole or a row of holes punched into materials, pouches, and packaging products. The purpose of perforation is to make it easy for the customers to tear off the package.

Perforations can be created with a variety of different methods, including punching, or die-cutting. In most cases, perforations are created before the product is assembled. However, in some cases, perforations can be made after the product is assembled. There are many factors that need to be taken into account when designing a perforation, such as the type of material being used, the thickness of the material, and the intended use of the product. To test the **perforation strength of materials**, we at Presto have come up with one of the amazing lab testing equipment known as the [perforation strength tester](#). This is one of the efficient **lab testing instruments** that can easily quantify the **perforation strength** of materials with ease.

Here in this blog, we are going to provide you with information about the perforation strength tester and how you can effectively use this **lab testing equipment** to measure the perforation strength of materials with ease.

Introduction about perforation strength tester

The **perforation process** is crucial for many products that come in sachets, pouches, or packets. If the perforation is not done correctly, the customer may have a difficult time opening

the product, or, worse, the contents of the sachet may spill out.

As a result, it is important to ensure that the perforation process is performed correctly and that the resulting holes are of the correct size. The **perforation test** is one way to measure the quality of the perforated holes. By measuring the dimensions of the holes, as well as their spacing and depth, the **perforation test** can help to ensure that the holes are of the correct size and spacing.

In addition, by checking for proper alignment, the **perforation test** can also help to ensure that the holes are properly aligned with each other. As a result, you can use a [perforation strength tester](#) for ensuring the quality of sachets, pouches, and packets.

This is one of the widely used **lab testing instruments** that will be used to test the strength and elongation of thermoplastic films and packets to determine the force requires separating two sachets from the perforated area. This unique **lab testing equipment** can easily be [used in different industries to test the perforation strength of packages](#) with ease.

Below we have listed the features of the Presto perforation strength tester.

Features of Presto perforation strength tester

The **perforation test** is a method of testing the strength and elongation force of thermoplastic films. The purpose of this test is to determine whether or not the specimen can be easily torn or bent. This test is conducted by stretching the specimen until it breaks. The elongation force is then measured. This information can be used to determine the strength of the thermoplastic film. This test is helpful in determining the quality of the film.

- Microprocessor-based display for accurate test results
- Works on Constant Rate of Elongation (CRE) Principle
- Display for Perforation strength of test specimen
- Highly accurate test results under elongation/tensile force
- Strong gripping clamps to perform the test at 180 degrees.
- Bright LED display
- Inbuilt calibration facility
- Feather touch controls

Technical Specifications of Presto perforation strength tester

- Load Cell Capacity: 50 Kgf
- Display: LED (Digital)
- Accuracy: $\pm 1\%$ within the entire range.
- Least Count/Resolution : 0.05 kgf
- Power: 220V, Single phase, 50 Hz

- Speed: 300 mm/min \pm 5%
- Safety: Limit Switches incorporated

The new **perforation strength tester** from **Presto Testing Instruments** is a highly precise and reliable way to measure the [perforation strength of pouches](#). If you want to conduct a FREE sample testing session, then you can easily give us a call at +91 9210903903 or email us at info@prestogroup.com to know about [Perforation Strength Tester Price](#). Our team of technical experts will easily assist you with your queries.