



Presto Stantest Pvt. Ltd.

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Pull-Off Adhesion Tester



The Pull-Off Adhesion Tester from Presto Group is built for people who need clean and steady readings of how well a coating sticks to a surface. It uses the pull-off method to test the bonding strength of paint layers, protective films, and surface treatments on many types of materials. This makes it useful for coating makers, inspection teams, and anyone who wants clear numbers before they send a product to market.

Pull-Off Adhesion Tester Application

A pull-off adhesion tester checks how firmly a coating holds on to a surface. It works by attaching a metal dolly to the coated area and pulling it straight up till the coating comes off or breaks. The force needed to lift the dolly shows the bond strength.

People use this test in places like construction sites, auto workshops, and factory units where coating strength is checked every day. It shows if the surface was set up the right way before the layer was applied, and if that layer will stay firm once the product is out in the real world. The method follows global rules, so the readings stay clear and easy for lab teams and field staff to work with.

Pull-Off Adhesion Tester Work Model

- The tester pulls the dolly in a straight upward direction.
- First, the dolly is glued to the coating with a strong adhesive.
- Once it dries, the device applies a steady pull.
- The coating lifts or breaks at a certain point. The highest force reached at that moment becomes the adhesion value.

This helps users understand if the coating failed within its own layer, between the layer and the substrate, or inside the base material. These details help teams correct mistakes in surface cleaning, application, or material choice.





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Pull-Off Adhesion Tester: Pros.

- The main strength of this tester is its steady way of giving the same kind of numbers again and again, which helps people trust the readings.
- It helps teams check coating strength without complicated steps.
- It also follows worldwide test rules, which keep the readings fair for different environments and materials.
- **Main plus points**
 - Gives steady readings to support daily quality checks.
 - Shows the failure point so teams can correct issues in coating work.
 - Only affects the test spot and keeps the rest of the surface safe.
 - Works with many substrates and coating types.
 - Follows ISO 4624 and ASTM D4541 standards.
 - Easy to carry and suitable for on-site checks.
 - Helps catch weak bonding before it becomes a major repair.
 - Supports the long life of coatings and reduces sudden breakdowns.

Use a Pull-Off Adhesion Tester

Strong bonding keeps coatings from lifting, peeling, or cracking early. A weak bond can lead to rust, water entry, or surface damage. The pull-off tester helps you check whether your surface cleaning and coating steps are done the right way. It also helps inspectors catch bonding problems before they turn into customer complaints.

It is helpful because it:

- Shows if the coating is firmly attached to the base.
- Check if the preparation steps match the required rules.
- Find weak areas early so you can fix them on time.
- Gives readable values that support routine quality checks.
- Helps meet global compliance rules.
- Works for lab and field tasks.
- Gives clues about the type of failure for better troubleshooting.

Presto Group is a well-known maker of pull-off adhesion testers in India. Reach out for a quote.

Accessories Included

- Data cable
- Two chargers
- Twenty pieces of 20 mm dollies
- Cutting tool
- Electric cutting tool
- Cutting head for 20 mm dolly
- Two-part adhesive set
- Glue gun





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Features

- Small and handy shape, suitable for both lab use and site visits.
- A rechargeable lithium battery that removes the need for outside power.
- Multiple dolly sizes for different test needs.
- High-grade sensor with 0.01 MPa reading ability.
- Direct LCD reading
- Self-aligning dollies, which help with flat or uneven surfaces
- Auto storage of readings such as pull force, test rate, dolly size, and time.
- Works in MPa and PSI.
- Adjustable pull-off rate.
- Safe body with dust, splash, and impact resistance.
- Comes with calibration proof for 1 percent accuracy.
- Strong carrying case for easy movement.

Specifications

- Dolly size: 20 mm circular by default
- Options: 10 mm, 14 mm, 50 mm circular, and 50 mm square
- Max pull pressure: 0.7 to 24 MPa
- Resolution: 0.01 MPa
- Accuracy: ± 1 percent FS
- Pressurization rate: 0.1 to 1.5 MPa per second
- Power: Rechargeable lithium battery
- Size : 360 mm long, 75 mm wide, 115 mm high
- Weight: 4 kg with battery

OUR OTHER PRODUCTS :-

					
Box Compression Tester	Scuff Resistance Tester	Tensile Tester Digital	Spectrocolorimeter	Cobb Sizing Tester	Digital GSM Balance

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