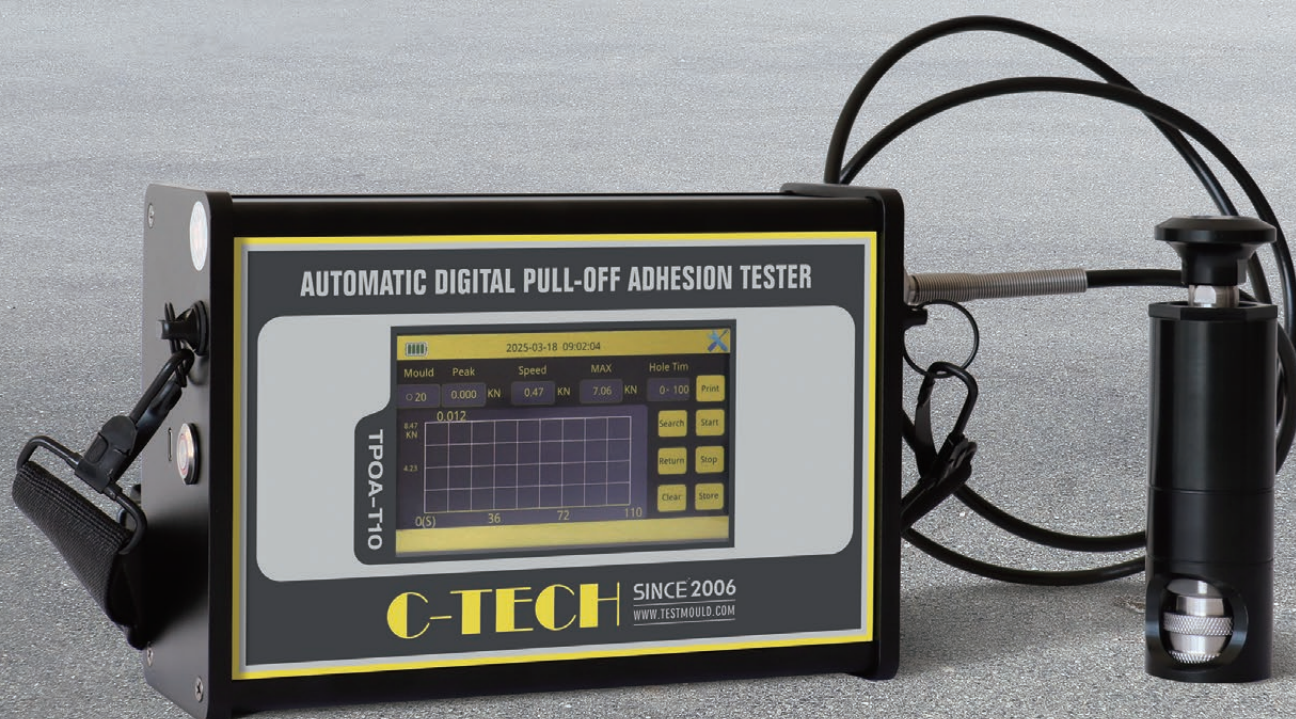


# AUTOMATIC DIGITAL PULL-OFF ADHESION TESTER

**STANDARD: GB/T 5210, ASTM D4541/D7234, ISO 4624/16276-1**

The automatic digital pull-off adhesion tester performs a pull-off test on a specific area of coating by hydraulic pressure. The whole process of pulling off is automatically completed by the instrument, and the pulling off speed is stable and controllable, which avoids the error caused by the unstable speed caused by manual pressure. The pull-off force can be accurately displayed through the digital screen, and there are three different units of MPa, psi and KN for selection. The upper limit of pressurization of the instrument can be set, which can apply precise pressure to the sample. After reaching the set pressure, the holding time can be set to evaluate the durability of the sample under a certain pressure.

It is easy to operate, accurate in data, low in maintenance cost and supporting consumables, and is widely used in some concrete base coatings, anti-corrosion coatings or adhesion tests between different coatings in multi-coating systems.



**SINCE 2006**

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## FEATURES

- Portable design, built-in rechargeable lithium battery, no external power supply, suitable for use in construction, production sites and laboratories;
- Udisk storage technology, equipped with Type-c port, can directly copy the stored data after connecting to the computer, no need to install additional driver software, easy to use;
- All saved data has corresponding test date and time, which is convenient for users to summarize and manage test data;
- The pull-off dolly sizes provided for products with different bonding strengths are 10, 14, 20 and 50mm, which expands the function and resolution of the instrument;
- Each instrument is calibrated by a CMA traceable pressure sensor before leaving the factory, and the accuracy is  $\pm 1\%$  of full scale;
- Internal storage of pull-off data, including maximum pull-off force, pull-off rate, test time and pull-off dolly size;
- Select the pull-off unit size, change the measurement unit or store the reading just by pressing the keys;
- No conversion table is needed, the instrument automatically calculates the pull-off force according to the size of the pull-off unit;
- The pull-off unit uses high-quality aluminum dollies that meet international standards;
- The aluminum self-centering pull-off unit ensures that the pull-off force acts uniformly on the test surface when testing on smooth or uneven surfaces, preventing unilateral pull-off;
- Advanced industrial pressure sensors ensure continuity of accuracy;
- LCD display, with three units of MPa, psi and KN;
- With the function of displaying the pullout force curve, users can clearly observe the change of the pullout force during the entire pullout process;
- Electric drawing can ensure the stable and adjustable drawing rate and improve the repeatability of data;
- With pressure holding function, it can judge whether the test is passed by testing the pulling force holding time of the coating under the set tension;
- Data can be stored up to 200,000 sets;
- Bluetooth printer can print directly on site (optional);
- Adopt full touch screen, easy to operate.

## TECHNICAL SPECIFICATIONS

Dolly size	20mm(standard); 10mm, 14mm, 50mm(optional)
Resolution	0.01MPa (1psi)
Accuracy	$\pm 1\%$ full scale
Pull-off strength range	10mm dolly: 4.0~80MPa; 14mm dolly: 2.0~40MPa 20mm dolly: 1.0~20MPa; 50mm dolly: 0.1~3.2MPa
Supercharging rate	10mm dolly: 0.4~6.0MPa/s; 14mm dolly: 0.2~3.0 MPa/s 20mm dolly: 0.1~1.5MPa/s; 50mm dolly: 0.02~0.24MPa/s
Power supply	Built-in rechargeable lithium battery, equipped with charging adapter
Host Dimension	240mm×138mm×81mm
Host weight	4KG (after the battery is filled)