

**NOVOTEST**

QUALITY TESTING DEVICES

Adhesion Testing



Tensile Adhesion Tester NOVOTEST AC-4624



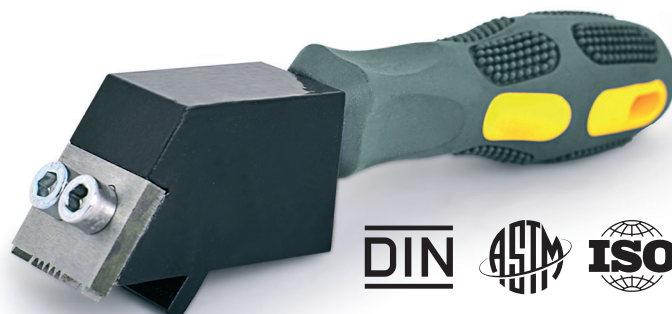
Pull-off type adhesion tester is designed for measure the adhesion value of paints and other coatings on base and between layers or cohesive materials.

Tensile Adhesion Tester NOVOTEST AC-4624 is manufactured according to EN13144 and ISO4624, ISO16276-1.

Breakout force, kg	200
Diameter of base dolly, mm	15,1 (№1) and 19,5 (№2)
Specific breakout force, MPa	Dolly #1 up to 10 MPa (100) Dolly #2 up to 6 MPa (60)
Scale, MPa	1 (№1) and 2 (№2)
Weight of adhesion tester, kg, no more	1
Dimensions of adhesion tester, mm	150*70
Dimensions of package, mm	L180*W150*H100



Cross Cut Adhesion Tester NOVOTEST AN-2409

**DIN**

Cross Cut Adhesion Tester NOVOTEST AN-2409 is designed for adhesion testing by method cuts (parallel or lattice) with thickness range of paint coatings up to 200 μ s, according to ISO 2409, ISO 16276-2, ASTM B 3359.

Number of cutters	3
Pitch between working blades, mm	1, 2, 3 (other cutters optional)
Number of working blades	6
Thickness range of coatings, μ m	<60 with pitch 1 mm; 60-120 with pitch 2 mm; 120-200 with pitch 3 mm.
Points identification and evaluation of adhesion	0-5 (for ISO 2409, ISO 16276-2, ASTM D3359)
Instrument dimensions, no more, mm	170x50x50
Dimensions of package, mm	L180*W150*H100

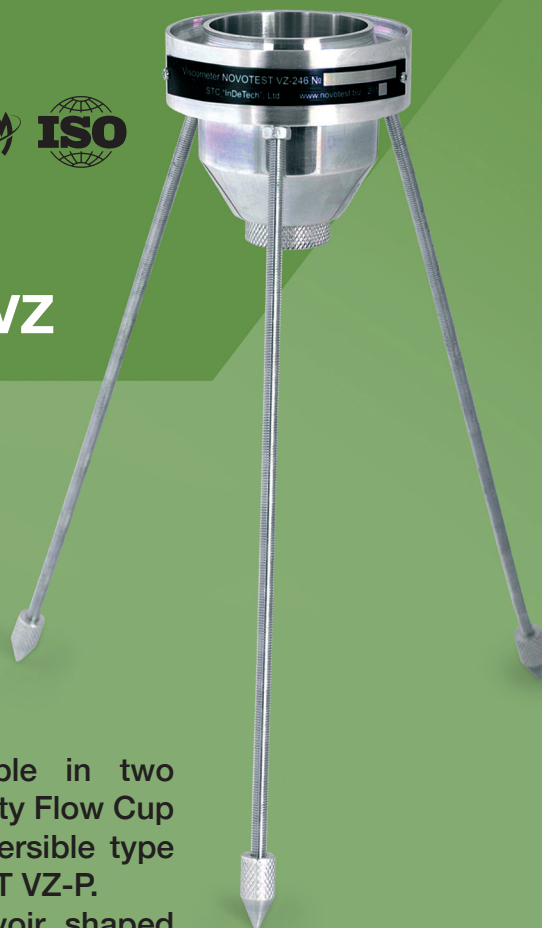
Viscosity Testing



Viscosity Flow Cup NOVOTEST VZ

Viscosity Flow Cup NOVOTEST VZ is designed for rapid determination of the relative viscosity (flow time) paints and other related products (Newtonian liquids).

Viscosity cup could be manufactured according to: DIN 53211-87 (DIN 4), UNE ISO DIN 2431, ASTM D 120087 (FORD), ASTM D 4212-93 (ZHAN).



Viscosity Dip Cup NOVOTEST VZ-P

Viscosity cup is available in two models: on a tripod – Viscosity Flow Cup NOVOTEST VZ and a submersible type Viscosity Dip Cup NOVOTEST VZ-P.

Viscosity cup is a reservoir shaped like a funnel with three plug-in nozzles. Viscosity Cup NOVOTEST is made of stainless steel.



Specifications of Viscosity Cup NOVOTEST

Capacity of the servoir, ml	100 ± 1
Range of flow time, s	12 – 300
Nozzle diameter, mm	2, 4, 6
Height of nozzle, mm	4
Time range of the expiration of the liquid, s	for a nozzle with a diameter of 2 mm: 70-300; for a nozzle with a diameter of 4 mm: 12 – 200; for a nozzle with a diameter of 6 mm: 20 – 200.
Limit values of the basic relative error of measurement of flow time of the calibration fluid (industrial oil with a nominal value of the kinetic viscosity)	From 200 to 500 mm/sec, no more than ± 3 arithmetic average flow time
Dimensions (without tripod)	diameter, mm: no more than 95 height, mm: no more than 75
Weight, kg	0.2

Standart set of Viscosity Cup NOVOTEST

- ✓ Viscosity cup
- ✓ Tripod
- ✓ Three plug-in nozzles with 2, 4, 6 mm diameters
- ✓ Operating manual
- ✓ Package



Strength Testing

Impact Tester NOVOTEST STRIKE-U6272

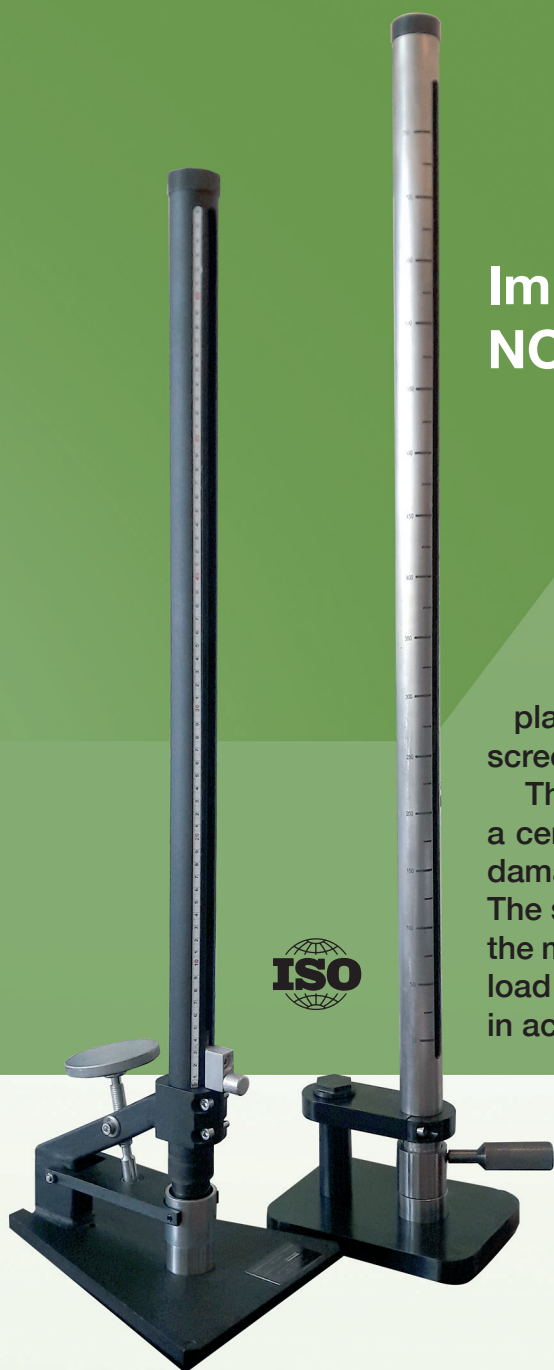
The device for determining the strength of paint films (coatings) under impact 1 kg load or other loads.

The design of the device STRIKE-U6272 is made in accordance with modern requirements of ISO 6272-2002.

The instrument is used for testing coatings on metals, plastics, flooring, wood paneling, ceramic, glass, concrete, screed samples.

The device measures the maximum height, in free fall with a certain mass of the load, does not cause visible mechanical damage on the surface of the test plate with a lacquer coating. The strength of coatings at impact is expressed by the value of the maximum height in centimeters at which the firing pin with a load of 1 kg (or others) falls freely onto the surface being tested in accordance with ISO 6272 or ASTM D 2794.

The device is used in factory laboratories with an input control coatings during manufacturing processes, as well as in field conditions during maintenance work.



General specifications of the Impact Tester NOVOTEST STRIKE-U6272

Weight of load, kg	1 ± 0,001
The length scale of the device, mm	1000
The scale interval	10 mm ± 0,5
Diameter of drummer (ISO 6272), mm	12.7
Diameter of drummer (ISO 6272), mm	20
Diameter of drummer (ISO 6272, ASTM D 2794), mm	15,9
The hole diameter of the anvil (ISO 6272), mm	16,3
The hole diameter of the anvil (ISO 6272), mm	27
The hole diameter of the anvil (ASTM D 2794), mm	16,3

Continuity Testing

Pinhole Detector NOVOTEST ED-3D

Pinhole Detector NOVOTEST ED-3D is designed for rapid non-destructive testing the continuity of the coating (e.g. porosity of film) at thickness up to 500 µm in accordance with ASTM G62-A.

Pinhole Detector is intended for controlling the porosity of partially painted places and other discontinuities in protective dielectric coatings of metal products to the coating via putting low voltage through a sponge which is soaked with a liquid electrolyte with high penetrating properties.



Specifications of Pinhole Detector NOVOTEST ED-3D

The size of contact surface of the sponge electrode, mm	30×80
Control voltage, V	9; 67,5; 90
The thickness of controlled coating, µm	0-500
Instrument dimensions, mm	120*60*25
Operating temperature range, °C	from -5 to + 40
Power supply	9V battery
Batteries life, h	More than 10
Net weight with batteries, kg	0,2

Standart set of Pinhole Detector NOVOTEST ED-3D

- ✓ Electronic unit
- ✓ Holder with nozzle for sponge
- ✓ Sponge
- ✓ Electrolyte powder (Na₂SO₄ or NaCl)
- ✓ 9V battery
- ✓ Charger
- ✓ Operating manual
- ✓ Cables
- ✓ Package

Available options for ordering of Pinhole Detector NOVOTEST ED-3D

- ✓ Sponge
- ✓ 9V batteries
- ✓ Electrolyte powder (Na₂SO₄ or NaCl)