

## Viscosity Flow Cup NOVOTEST VZ

Viscosity cups – testing devices that intended for measurement of rheological characteristics of liquid substances.

Viscosity cups are manufactured in two models: submersible and with a tripod.

In laboratory conditions is preferable to use the unit with adjustable tripod.

Submersible type in most cases is used in a workshop or production.

There are several standards for viscosity cups funnels: DIN 4 (**DIN 53211-87**) and UNE **ISO DIN 2431**.

For American products there are the appropriate standards: funnel FORD (**ASTM D 120087**) and ZHAN (**ASTM D4212-93**).



## Viscosity Flow Cup NOVOTEST VZ-P



## Viscosity Dip Mug NOVOTEST VMS

Viscosity Dip Mug is used to determine the convectonal viscosity of the dispersion polyvinylacetate homopolymer coarse dispersion.



## Density Cup NOVOTEST PYCNOMETER P-2811

Density tester NOVOTEST P-2811 is designed according to **ISO 2811-1**. The density is calculated as weight divided into volume of tested liquid.



# Coating Testing



## Coating Thickness Gauge NOVOTEST TP-1M

Coating thickness gauge is a precision measuring instrument for rapid non-destructive testing of coatings in accordance with standard **ISO 2808**.



- Coating thickness gauge NOVOTEST TP-1M is designed for testing:
- the thickness of thick-layering protective coatings on the various alloys and metals;
  - the thickness of paint and other dielectric – radio-absorbing, mastic, teflon, plastic, anode-oxide, galvanic coatings on steels;
  - the thickness of the galvanic and paint coatings on non-ferrous metals;
  - the thickness of bitumen coatings;
  - measurement of dew point, temperature and humidity;
  - measurement of the depth of grooves and roughness on the surface of the object.

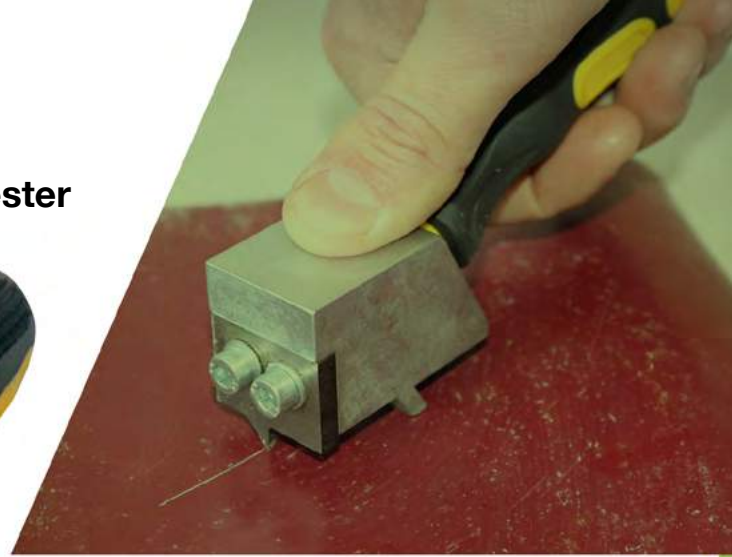


Thickness gauge can be equipped with various different probes and standard samples of thickness.

## Coating Thickness Knife Tester NOVOTEST TPN-2808

ALMOST

FOR  
ANY  
BASES



Paint inspection gauge TPN-2808 is designed according to **ISO 2808**, **ASTM B 4138**, **DIN EN 1071-2** to measure the thickness of both single and multiple layer coatings on any grounds, both metallic and non-metallic.



## Analog Surface Profile Gauge NOVOTEST LIMIT

Mechanical depth gauge is designed according to **ASTM D 4417-B**, **SANS 5772**, **US Navy NSI 009-32**, **US Navy PPI 63101-000** for (depending on configuration): measures the peak-to-valley height of a blast cleaned surface; measurement the depth of focal corrosion; measures depth of narrow holes and grooves.



# Coating Testing

## Pinhole Detector NOVOTEST ED-3D

The electrolytic flaw detector (detector of porosity) NOVOTEST ED-3D is designed for rapid non-destructive testing of continuity of coating thickness up to 500  $\mu\text{m}$  in accordance with standard **ASTM G62-A**.

Pinhole detector is intended for testing of porosity, not dyed places, and other violations of the continuity of protective dielectric coatings on the metal objects.



## Pulse Holiday Detector NOVOTEST SPARK-1

Pulse Holiday Detector NOVOTEST SPARK-1 is designed according to **ASTM G62-07**, **ISO 2746:1998** & **AS3894.1-2002**, **ANSI/AWWAC214-07**, **ANSI/AWWA C213-07**, **ASTM D4787-08**, **NACE RP0274-2004**, **NACE RP0490-2007**, **NACE SP0188-2006** for testing the continuity of insulation coatings (polymer, epoxy, bitumen, etc.) of pipelines (oil, gas, etc.) and other products.

The operation principle of device is based on the fixation the breakdown of locations between the first electrode which is connected to the high-voltage source and the second electrode, which is connected to the pipe (or other testing objects).



## Film Applicator NOVOTEST AU-823

Film applicator AU-823 is designed for applying layers of paint and other materials with required thickness of the plate during the complex tests according to **ASTM D 823-E**.



## Dew Point Meter NOVOTEST KTR-1

Dew Point Meter NOVOTEST KTR-1 is designed for rapid testing of air temperature and humidity, dew point calculation and surface temperature measurement by contact method.

Dew point meter measures: relative humidity, air temperature (-20 to +125°C), the surface temperature (-20 to +125°C).

And calculates: dew point, the difference between the dew point and the temperature of the surface.





# Coating Testing

## Pencil Hardness Tester NOVOTEST PH-3363



The instrument is designed to determine the hardness of coatings by pencil leads according to: **ASTM D 3363, ECCA T4, EN 13523-4, ISO 15184:2012, JIS K 5600-5-4.**

## Buchholz Coating Hardness Tester NOVOTEST BH-2815

Buchholz hardness tester is used for hardness measurements of coating's using the indentation method (bevelled disc of stainless steel block with constant test load).



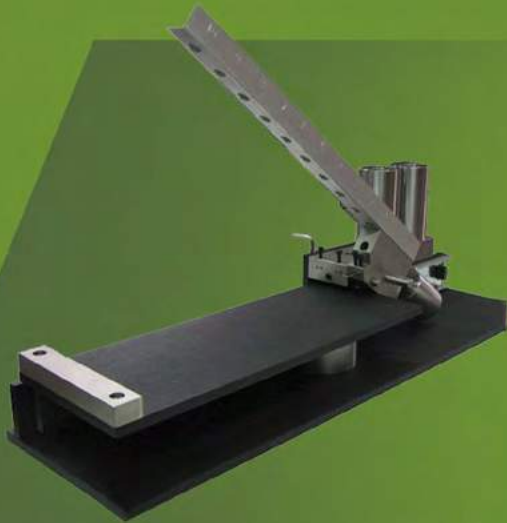
Buchholz Coating Hardness Tester NOVOTEST BH-2815 is standardized according to: **ISO 2815, BS 3900-E9, DIN 53153, NF T30-052.**

## Scratch Hardness Coating Tester NOVOTEST SH-1518

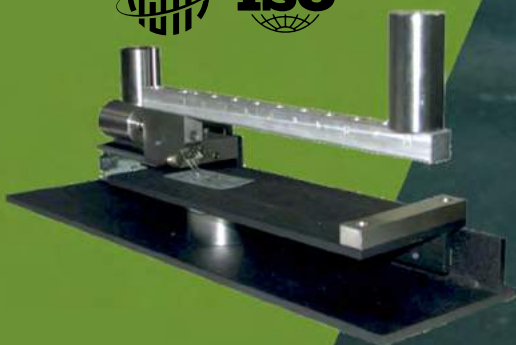


Scratch Hardness Coating Tester NOVOTEST SH-1518 (ball type) is used for hardness testing of coatings (paint, mastic, plastic and others) through determining the hardness resistance to indentation of the ball tip with 1 mm diameter. Scratch Hardness Coating Tester NOVOTEST SH-1518 is designed according to **ISO 6441**. Also it used for analysis the resistance of the coating for scratching (**ISO 1518**).

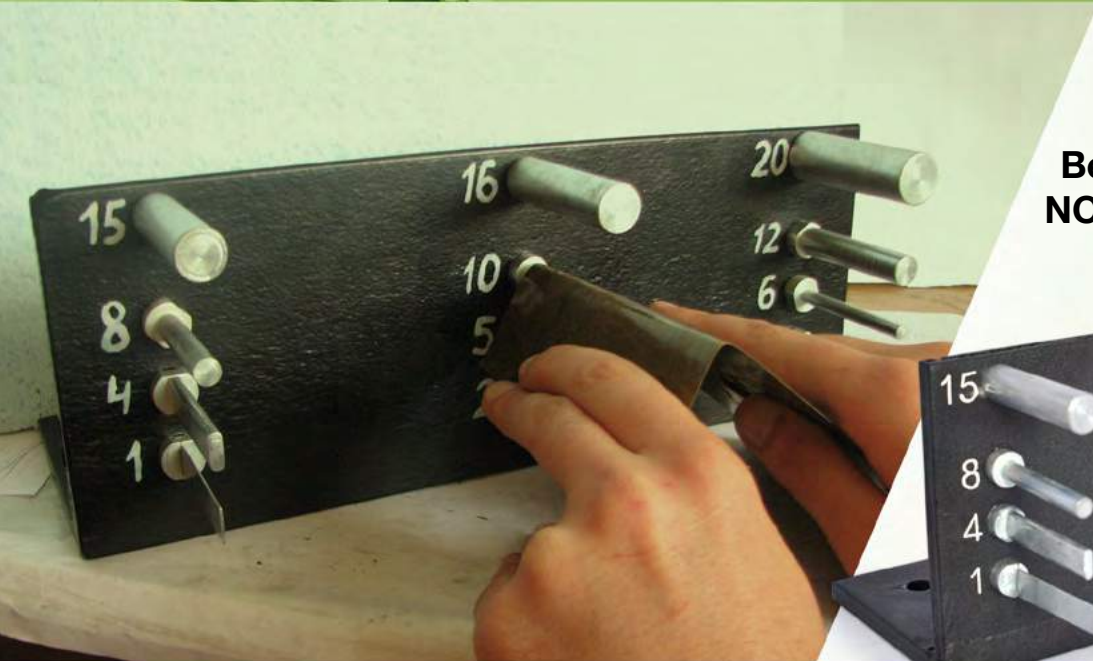
## Scratch Adhesion Tester NOVOTEST C1-5178



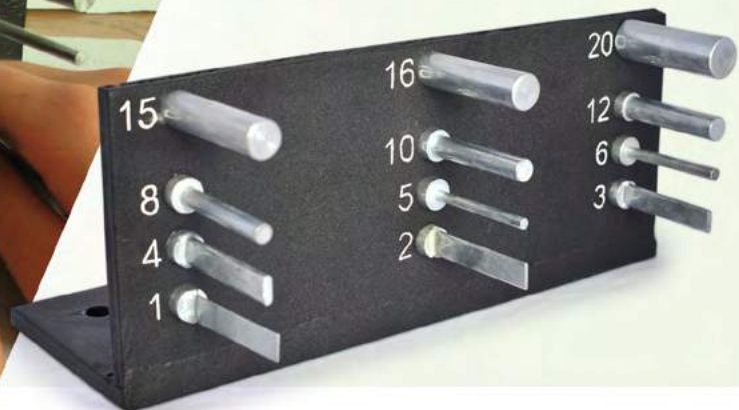
Device is used for determining the adhesion and resistance to damage by scratching method. The device complies with the requirements **ISO 12137-1**, **ASTM D 5178**, **ASTM D 2197**.



# Coating Testing



**Bending Coating Tester  
NOVOTEST BEND-H1519**



The device measures the elasticity and strength of the coatings during bending around a set of cylindrical rods, with diameters of rods from 1 mm to 20 mm.

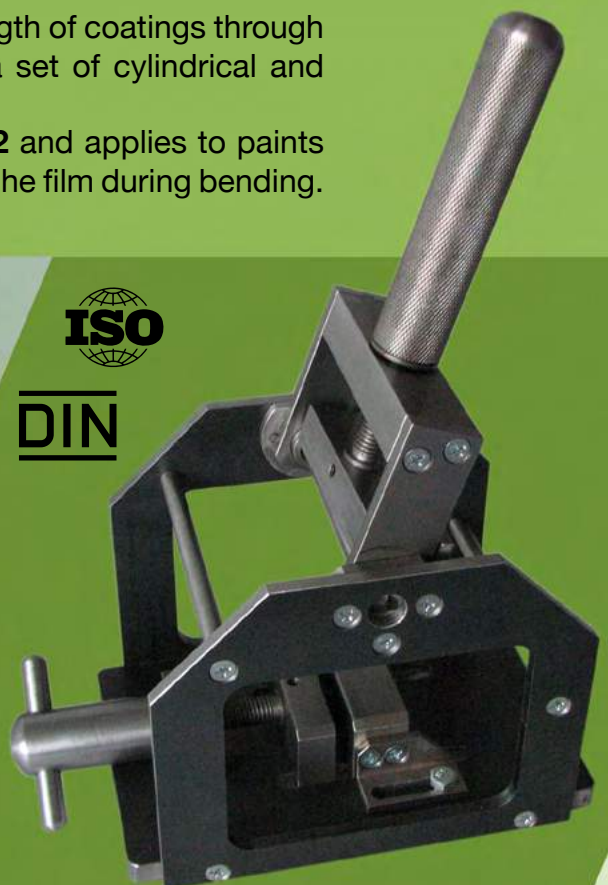
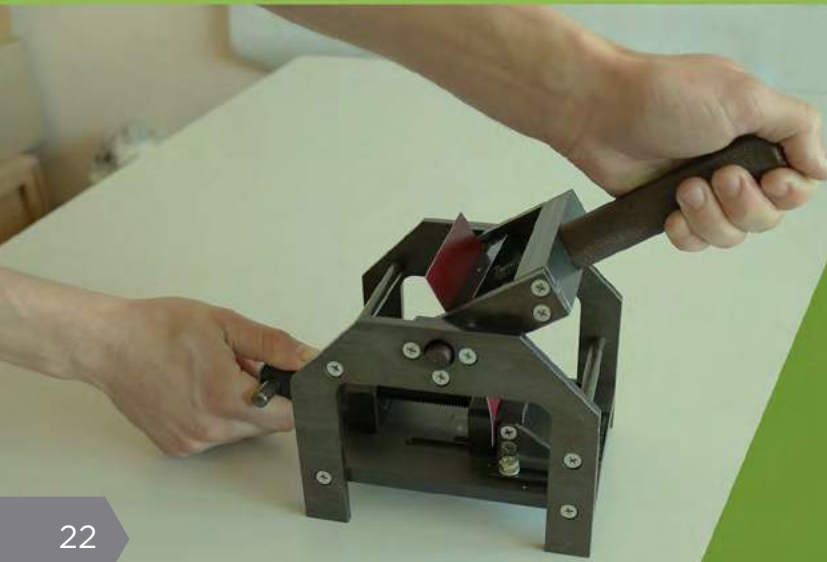
NOVOTEST BEND-H1519 complies with **ISO 1519-73**, **ASTM D 522**, **ISO 6860** which applies to paints and varnishes and describe the method for determining the elasticity of the film during bending.



## **Bending Coating Tester NOVOTEST BEND-M1519**

The device allows to measure the elasticity and strength of coatings through bending the metal plate with tested coating around a set of cylindrical and conical rods with diameters from 2 mm to 32 mm.

The device complies with **ISO 1519-73**, **DIN 53 152** and applies to paints and specifies a method for determining the elasticity of the film during bending.





## Ericksen Cupping Tester NOVOTEST SE-1520



Ericksen Cupping Tester is designed for testing of elasticity and strength of coatings with cup-shaped curve, according to **ISO 1520**, **ISO 20482:2013**.



The Ericksen's device is used for determining the strength of the coating at the indentation of spherical tip punch with diameter of 20 mm in the coating of the sample, the position of which is fixed on a matrix with internal diameter of 27 mm.

## Impact Tester NOVOTEST STRIKE-U6272

NOVOTEST STRIKE-U6272 is designed for determining the strength of the film during the impact.



Construction of the instrument NOVOTEST STRIKE-U6272 is made in accordance with modern requirements of **ISO 6272-2002** and **ISO 21809**.



The device is used for testing of metals, plastics, parquet, wood, ceramics, glass, concrete and screed.



# Construction Materials Testing

## Strength Meter NOVOTEST IPSM-U



Ultrasonic Tester of Building Materials (Concrete) Strength IPSM-U is designed for rapid non-destructive testing of strength of concrete, composite bricks and other building materials.

Ultrasonic device allows measurement strength with surface sounding and through sounding methods by measuring the rate and time ultrasonic wave propagation in tested objects.

NOVOTEST IPSM devices have built-in memory and the ability to synchronize with PC.

## Strength Meter NOVOTEST IPSM-U+T

In addition to the functions of the basic modifications Ultrasonic Tester of Building Materials (Concrete) Strength + depth of cracks measuring NOVOTEST IPSM-U+T is designed for detecting voids, cracks and defects that have arisen during manufacture and operation and measuring the depth of cracks in different objects.



## Strength Meter NOVOTEST IPSM-U+T+D

Ultrasonic Tester of Building Materials (Concrete) Strength + depth of cracks measuring + Flaw Detector device at the highest modification combines the characteristics of the lower modifications and also has: mode of the signal visualization (A-scan), the ability of testing concrete (and other) constructions for internal defects and discontinuities, also increases the accuracy of measuring time intervals by manual choice of the moment activation of measurer.



## Concrete Rebound Schmidt Hammer NOVOTEST SH

Concrete rebound Schmidt hammer is designed for strength testing of concrete and other building materials through impacting method, which is correspond with **ASTM C 805; ASTM D 5873; DIN 1048; ENV 206; EN 12 504-2; ISO / DIS 8045.**



## Concrete Cover Meter NOVOTEST Rebar Detector

The device is designed for rapid non-destructive testing of reinforced concrete products and structures.

NOVOTEST Rebar Detector operates on technology of magnetic fields and is used for technological testing at buildings and factories, as well as the planned examination of various structures and buildings.

Concrete Cover Meter NOVOTEST Rebar Detector works in a mode of constant scanning of the test surface.



For convenient work with the device, it has a function of sound search. Increasing the frequency of the audio signal indicates the oncoming of the probe to the reinforcing element that allows user to work without continuous watching to the display.



# Magnetics Testing



**Steel Structure Analyzer  
NOVOTEST KRC-M2**

Steel Structure Analyzer (structurescope) is designed for non-destructive quality testing of chemical-thermal, thermal and thermo-mechanical treatments.

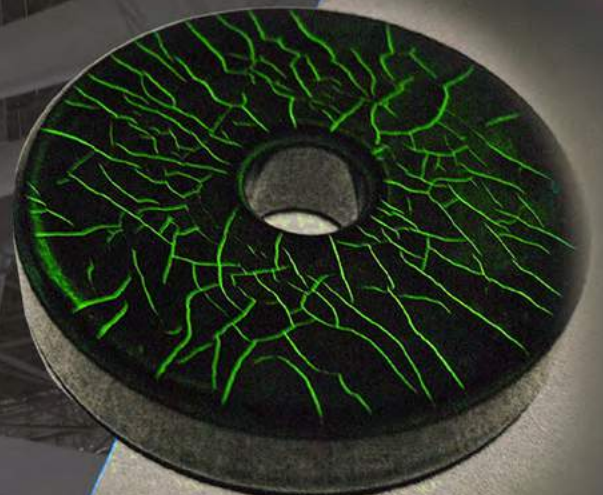
Steel Structure Analyzer allows to determine the mechanical properties and hardness of metals and to test the ferromagnetic products if there are any correlations between tested parameters.

In addition, the device is used for testing the surface layers of ferromagnetic materials and the metal for presorting steel grades.

## Magnetic Test Blocks

Magnetic Test Blocks are used to check the sensitivity of magnetic particle and penetrant inspection materials.

Samples are available with different size of cracks, surface and subsurface defects and longitudinal and transverse indications.



## Magnetic Flaw Detector (Permanent Magnetic Yoke) NOVOTEST MPD-DC

Magnetic flaw detector is based on the method of non-destructive testing used for detecting violations of the magnetic surface of metal structures and structures of ferromagnetic materials.

In the case of the ban regulations of the equipment with power supply, or difficulties with its supply, Magnetic Flaw Detector NOVOTEST MPD-DC is the only one instrument for the required testing.



## Gaussmeter (magnetometer) NOVOTEST MF-1

Gaussmeter NOVOTEST MF-1 is a versatile and highly accurate diagnostic device that operates on the principle of non-destructive testing.

Magnetometer MF-1 is used for: determination of compliance of equipment to required specifications and the possibility of further testing, testing of the level of induction fields of tested object and components or devices during the diagnostic work with the method of magnetic particle, testing of level of remanence, level of industrial noise, level of magnetic fields.

## Distribution network



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