

TRIBOtechnic Millenium 200 (Scratch-Tester)

Year of manufacture: 2008

Condition: ready for use, used

Functionality: fully functional

Price: € 19.900,00 plus VAT and delivery

Scratch tester for characterising the adhesion and scratch resistance of thin coatings and bulk materials.

The scratch testing method consists of scratching the surface with a diamond tip to which a constant or progressive load is applied. During the scratching process, the sample moves under the video system in order to examine the different types of damage caused by the tip and correlate them with the applied load.

The images can be digitised and precisely positioned on emission, acoustic, and load diagrams.

This standard method enables the comparison of different coatings, substrates, coating thicknesses, surface preparations, and the scratch resistance of bulk materials.

Acoustic emission sensor, multi-pass scratch function: multiple scratches on the same track, friction force measurement.

Upgrade 2018: new illumination system with analyser, polariser, 2 apertures and filters, plus high-resolution INFINITY 5x and 20x objectives, and objective holder with adjustment screws for easy tip/microscope calibration.

Includes calibration set for table speed and applied load sensor.









