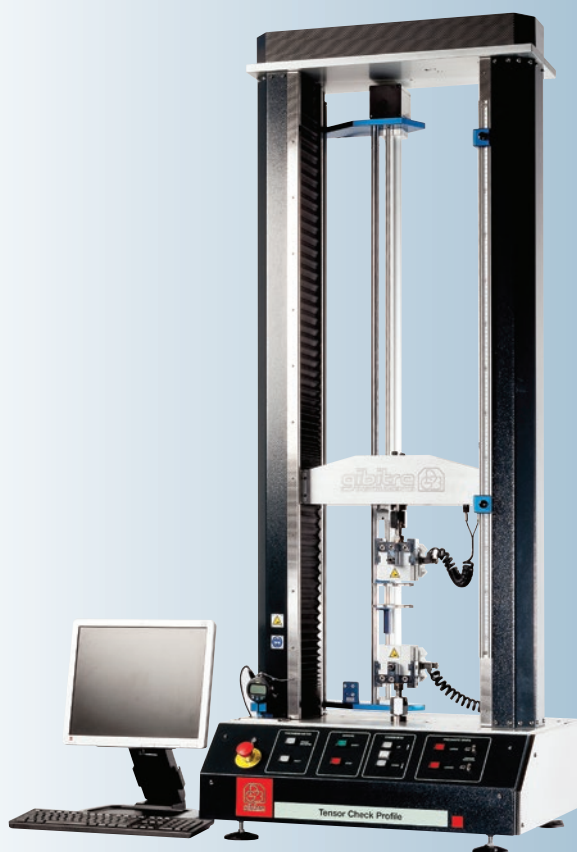


TENSOR CHECK PROFILE - PC

FULLY PROGRAMMABLE TENSILE-TESTING SYSTEM
WORKING IN TRACTION AND COMPRESSION
SUITABLE FOR TESTING MECHANICAL
CHARACTERISTICS OF MATERIALS LIKE RUBBERS,
PLASTICS, COMPOSITES, ADHESIVES, LEATHER,
ETC.

STANDARDS: ASTM D412; ASTM D575; ASTM D624; ASTM D638;
ASTM D790; ASTM D882; ASTM F152; ASTM D1056; ASTM D1414;
ASTM D1456; ASTM D1894; ASTM D2412; ASTM D3574; ATE
N_553_59_25; FIAT 50405; FIAT 50409; FIAT 50412; ISO 36; ISO
37; ISO 178; ISO 604; ISO 814; ISO 1798; ISO 1827; ISO 2411; ISO
34-1; ISO 5600; ISO 5893; ISO 6133; ISO 7743; ISO 8033; ISO
8295; ISO 10319; ISO 12236; ISO 15113; ISO 527-1; ISO 527-2; ISO
527-3; ISO 527-4; ISO 527-5; ISO 3384-1; ISO 6259-3; ISO 6916-
1; PV 3973; UNI-EN 1372; UNI-EN 12228;



Tensor Check is a fully programmable tensile-testing system with double screw structure for testing in traction and compression up to 20 kN. The instrument permits to perform traction, compression, hysteresis, peeling, flexural and shear tests.

Applicable Devices

- Mechanical extensometer: 0.01 mm accuracy
- Micro extensometer: 0.0001 mm resolution
- Thickness meter integrated with the software for direct sample thickness acquisition

- Environmental Chamber with Cooling Refrigerator (-40 to 250°C) and internal extensometer

- Wide range of pneumatic and manual grips for Traction, Compression, Peeling, Friction, Bending, O-ring traction, Adhesion and more

Software

The instrument is supplied with full license of TensorCheck_9 and full license of Datagest_10 software. Features:

- Wide range of pre-installed test procedures

in compliance with international standards

- Step-by-step wizard procedure for the preparation of fully customized test methods
- Data acquisition from thickness meter and automatic calculation of sample cross-section
- Direct control of the thermal cycle of the environmental chamber
- Comparison of results with tolerance limits and statistic analysis
- Storage of data and curves in standard Gibitre SQL database.

Load Transducers: Mode: traction and compression; Base Scale: up to 20 kN; Accuracy: Class 05 (ISO 7500-1) from 1% of Scale Base ; Resolution: Scale Base/50000.; Automatic detection of the cell installed

Mechanical Extensometer: Resolution: 0.01 mm ; Accuracy: Class E according to ISO 5893

Micro-Extensometer: Resolution: 0.0001 mm ; Total Run: 3 mm

Crosshead displacement: Reading Resolution: 0.0025 mm; Speed: 0.2

to 1000 mm/min; Stroke: 1244 mm (without grips)

Direct Thickness acquisition: Thickness meter in compliance with ISO 23529 and ASTM D3767 standards. The cross sectional area is calculated according to the kind of sample selected.

Environmental Chamber: Temperature: between -40°C and +250°C

Environmental Chamber: Cooling system: Refrigeration Unit

