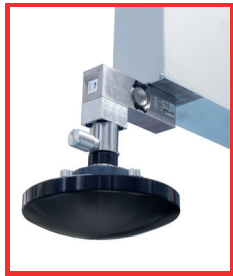


EASYNDENT

UNIVERSAL MACHINE FOR COMPRESSION-TENSION PROPERTIES AND INDENTATION HARDNESS ON FOAMS



*Easypur proposes different models of **EASYNDENT**, mainly according to the load requirement and sample sizes. Basically, we have a **floor** version and a **top-bench** solution.*

INDENTATION HARDNESS

Is mainly used in **mattresses**, **armchairs** and **chairs**. Basically, the standard **DIN 53579-1** is aimed to evaluate the perfect comfort of the final product.

It's normally performed by foam producer and foam user companies. The test sequences are fully customizable by our **EasyQs Software** and enable our customers to evaluate all the inspection aspects they need.

We also propose the possibility to create **Wizard tests** according to the most classic methods: **ASTM D3574** and **ISO 2439**.

Our machines are able to work according to many different standards

- **ASTM D3574 – ISO 3386:** Compression Hardness “Foam Force Deflection Testing” (Fatigue Testing)
- **ISO 2439:** “Determination of Hardness on Flexible Cellular Polymeric Materials”
- **ASTM D3574-E – ASTM D3574-F – ISO 1798 – ISO 8067:** “Tensile properties / Tear Strength”
- **ASTM D1621 – ISO 844 – EN 826:** “Compression Tests on Hard Foams”

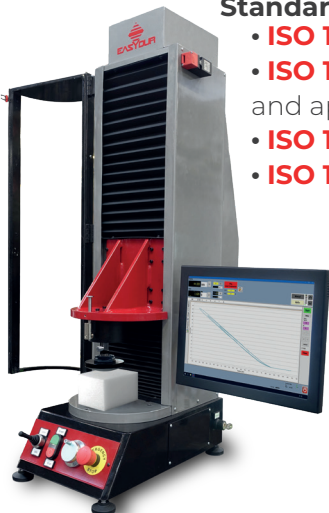
Standard for Flexible Foams

- **ISO 1209-1:** “General Bending Test”
- **ISO 1209-2:** “Determination of Flexural Strength and apparent Flexural Elasticity Modulus”
- **ISO 1922:** “Determination of Shear Strength”
- **ISO 1926:** “Determination of Tensile Properties”

Compression Stress Values

Are mainly used in Automotive sector, the most important car manufacturers perform that kind of mechanical test (on their seats) according to their own Standards:

- **GME-GMI 6028-3 / GMW 15471:** General Motors Corporation
- **PV 3410:** Volkswagen
- **D 41003 /D411541:** PSA (Peugeot)
- **TSM 7100 G Section 4.2:** Toyota
- **QV 52009-1:** BMW



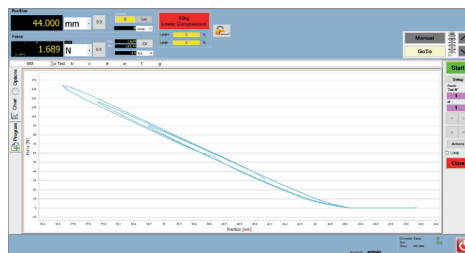
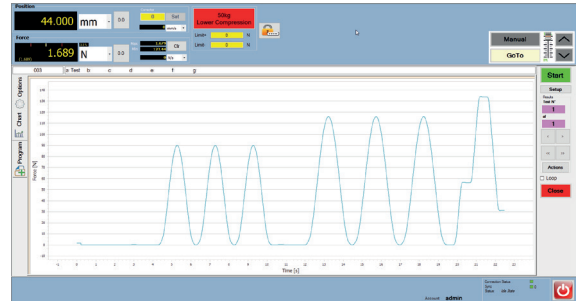
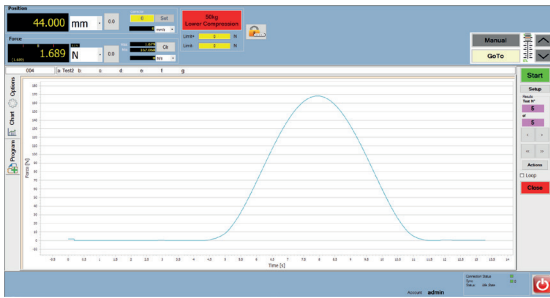
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EASYQs SOFTWARE

Normally the Compression Stress Test has a general standard procedure, thanks to our EasyQs Software, all these steps can be easily programmable by the Machine Software, with **exportable charts and statistics** as outputs:

- **1st step:** Sample Free Length Detection
- **2nd step:** Performance of 3 Pre-Load Cycles
- **3rd step:** Sample Free Length Detection after the Pre-load cycle
- **4th step:** Measuring cyclic stress

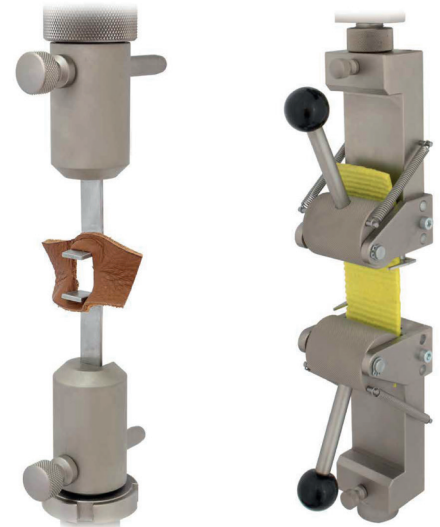


Our EASYNDENT machine is also conceived for Testing on Textile Fabrics and Coated Textiles:

Thanks to our EasyQs Multi-testing software and our mechanical flexibility, our customers will also be able to perform **Tensile Tests** according to standards:

- **EN ISO 13934-1 / EN ISO 13937-2**
- **EN ISO 9073-4**
- **ISO 3303**
- **EN ISO 12236**

Last but not least, we can of course perform tensile strength of **leather** test according to standard ASTM D2209



All Easydur solutions are compatible with **Industry 4.0 Standard**

