

**Introducing:**

### **NEW double column MESDAN-LAB tensile strength tester**

The revision of the MESDAN-LAB family of tensile strength testers has been completed with the launch of the NEW double column model, **TENSOLAB 50kN**, code 2515E at the TECHTEXTIL 2024.

**TENSOLAB 50kN** replaces the former models Tensolab 1000 and Tensolab 5000, and it is a unique solution for the testing of high-tenacity technical textile materials, up to the maximum capacity of 50kN (5.000 kg).

The equipment represents the forefront of testing flexibility, being configurable for testing any kind of textile & leather materials, from single yarns, up to technical fabrics, geotextiles, nonwovens, straps and ropes, according to the most common international testing methods, for the traction, tearing, seam slippage, perforation, delamination, etc.

Same as its little brother TENSOLAB 4, it incorporates an industrial computer, with a new pre-installed software, user-friendly and modern graphic interface and a large series of testing routines already available; new routines can be created, to continuously enrich the software according to the customers' requests.

With a speed range from 0.001 to 800 mm/min, a crosshead travel of 1100 mm, a complete range of highly accurate load cells and efficient clamping accessories, and the available extension meter, it permits to satisfy all the requirements of the technical textile testing applications.

It embodies various safety solutions, like a 3-steps clamps closing system and a protection frontal cover, to prevent any operator's accident to respect the latest and most severe labor safety prescriptions.

The new TENSOLAB 50kN embodies a combination of the best ingredients: latest technology, best electronics, new software & new interchangeable accessories, stunning performances (in terms of capacity, versatility, accuracy, and testing efficiency), and of course Italian design and the Mesdan's 30-year experience in dynamometer R&D and manufacturing.

To complete the strength tester family, besides the semi-automatic single column "**TENSOLAB 4**", the range includes the single-position automatic "**AUTODYN 3**", endowed with the automatic yarn-loading device, also suitable for fibres, hanks and fabrics and garment accessories, the fully automatic 24-positions yarn strength tester "**AUTOFIL**", and the well-known portable **SPICE SCANNER**.

The functional diversification, the product diffusion and its price fairness brought forward to rank Mesdan-Lab range of strength testers among the most complete and popular worldwide.

Such a long presence of Mesdan-Lab products across the global textile supply chain testifies, not only its leadership, but also its commitment to serve the textile industry with constant up-to-date technologies and improvements.

For more information please contact Mesdan: [www.mesdan.com](http://www.mesdan.com) [sales@mesdan.it](mailto:sales@mesdan.it)