

Mesdan: Yarns joining devices and testing equipment

Mesdan is considered as one of the leaders in the production of yarn joining devices by virtue of the many patents owned by Mesdan in the field of air/water joining.

The company enjoys a primary position among the large producers of instruments for the laboratory analysis of textile materials; with a diffused worldwide marketing of its own products through a network of agents and distributors located all over the main textile markets.

The "Mesdan Lab" equipment line offers a complete range of instruments to perform control tests in laboratory or adjacent to the processing of different textile materials. Among the various instruments available for the checking of fibres, yarns and fabrics, the portable equipment, developed for the constant monitoring of fibre and yarn quality nearby the machine is a valuable asset.

Another important feature of the control equipment is the Auto Cop Changer, a device for the automatic change of packages which, when connected to many "Mesdan Lab" instruments, allows an automatic control of the physical characteristics (such as torsion, friction coefficient, uniformity) of different yarn lots.

Mesdan-Lab offers a complete range of equipment for testing technical textiles in compliance with major international textile standards including EN388 which the majority of manufacturers and textile institutes refer to, and which can be all performed by means of Mesdan-Lab.

Tenso-Lab 5000: Semi-automatic strength tester

TensoLab Strength Testers are conceived and produced drawing on Mesdan experience in high precision mechanics, which guarantees high quality and innovative solutions. Mesdan is world leader in the production of mechanical and pneumatic devices for joining yarns, and has a tradition in the production of strength testers and other testing equipment lasting more than ten years.

Double column Strength Testers:

Movement resulting from two ball bearing screws; structure strengthened by guiding columns which prevent any strain or buckling when the structure is under loading. Particularly suitable to test samples whose strength



TensoLab Strength Tester

value is higher than 3000N. (i.e technical yarns and fabrics, ropes, ribbons and geotextiles). They can fit different load cells, which are easy to change, with maximum range of 10000N for code 2511A, 30000N for code 2510, and a wide range of pneumatic and mechanical clamps. Both Strength Testers are controlled by software which runs all their functioning phases. The specific modular software is possible to perform a full range of textile tests including traction, compression, tearing, seam slippage, hysteresis loop in compliance with the international standards.

Single column Strength Tester:

Movement resulting from a ball bearing screw; it is controlled by a software which runs all the functioning phases. The specific modular software, code 2512A allows performing tests on traction, compression, tearing, seam slippage and hysteresis loop in compliance with the international standards. It can use different load cells easy to change with maximum range 3000N, and a wide range of pneumatic and mechanical clamps.

A version without PC connection is available (Code 2512B, not controlled by a software), designed for the use in a production environment. Work parameter setting is possible through an alpha-numeric keyboard, with test data readable on an incorporated two-line display lit up from the back. For yarns, a low cost Strength Tester is available (code 2512C, PC-dependent; and code 2512D, PC-independent) with the same performances of the 3000N version, but with a range of 100N.

The control software of Strength Testers has been designed, and constantly updated, in close co-operation with the most important textile laboratories and end-users. The software is composed of three main sections: control program (of machine functions), data storage program and program to run the different application modules. The program works in several languages, and many fields of the Data Bank can be personalized by the end-user according to his specific needs. These Strength Testers fit a huge range of mechanical and pneumatic clamps to test yarns and fabrics in accordance with the current standards.

Lamperti Textile Srl.

Established in 1950s by Mario Lamperti, the company has developed over the years the revolutionary and innovative technologies that has contributed significantly to the processing of different kinds of fabrics with innovative effects.

Lamperti is one of a renowned manufacturer of raising, shearing, sueding for finishing of pile and other fabrics with special range for parts, spares and accessories. There are more than 5000 Lamperti installation running all over the world.

SMB/A: Sueding machines

Universal Sueding machine equipped with 2 abrasive brushes (rotation 1600 rpm) is suitable for the processing of all fabrics. It is possible to combine both actions: emery paper + abrasive brushes. Working widths are available from 1800 mm. to 3200 mm.



Lamperti: LC/A.

LC/A: Finishing of pile

Universal Lustring/Shearing machine equipped with electrically heated Pol-Rotor (220°C max.), with one shearing roller available for increased diameter of 190 mm. The machine can be used for the processing of all fabrics, with working width ranges from 1800 mm. to 3200 mm.

GEM/A: Raising machines

Universal Raising Machine with 24 raising rollers (diameter 75 mm.) The machines is available for working width from 1800 mm. to 3400 mm range.



Lamperti: GEM/A.

C1/A: Shearing machines

Universal Shearing machine with one shearing roller (increased diameter of 190 mm.) This version of the shearing machines is suitable for the processing of all fabrics. Working width from 1800 mm. to 3600 mm.