AEROEL
SUPER**WIRELAB**X40
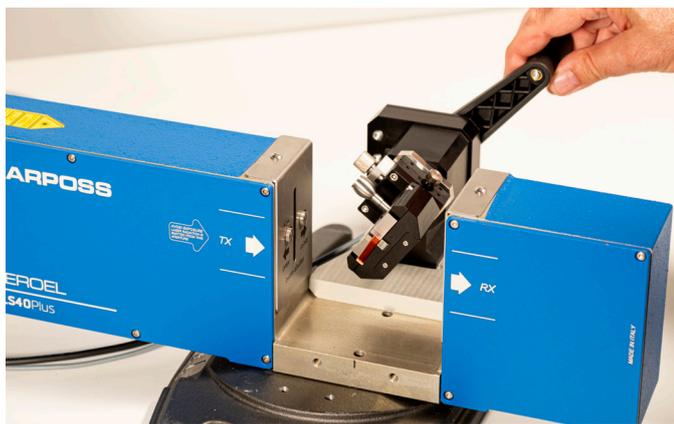## Rectangular wire checking is now easy, quick and accurate.

PRELIMINARY

New product !

SUPER- WIRELAB.X40 is a high-performance tabletop laser micrometer to check off-line the rectangular wires.

- Repeatable and objective results not affected by operator's skill.
- Contactless measurement.
- Highly flexible: different products can be measured without system re-mastering.
- It can also be used to measure diameter and ovality of round wire.
- Rugged construction suitable to be used in workshop environment.

MARPOSS

HOW DOES IT WORK?

By using a special fixture, the sample is rotated during the measurement: the laser sensor scans the wire and link each measurement to the angular position detected by an encoder.

In this way the system detects thickness and width of the flat wire.

In the round wires you can control the diameter over 360° of the circumference detecting the average, min and max diameter and the ovality.

The measured values are displayed on a highly visible backlit LCD display. They are compared with the tolerance limits to check the dimensional conformity of the part.

On round wires, the collection of measurements along the circumference allow also to draw a polar plot of the circular sections.

THE SUPERWIRELAB SOFTWARE

Easy to use
The software has been designed to be extremely user friendly and very flexible.

Quick tolerance check
Measured dimensions can be compared with a pre-set nominal value and a tolerance range: colours will immediately display the tolerance status of the part.
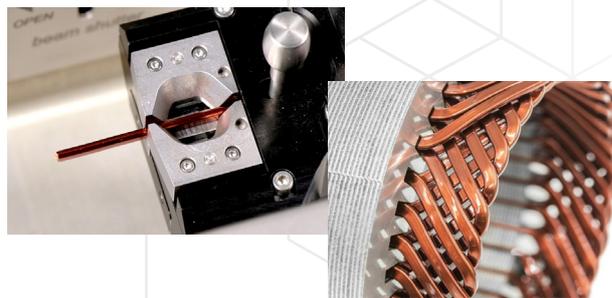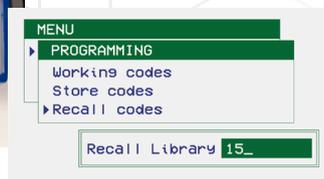
Part library for easy programming
Up to 5000 control sets (tolerance limits, measuring mode, etc.) can be stored in a "part library".

No measuring drift due to changing room temperature!
The NO-VAR (NO-VARiation) technology allows to get simply perfect measurements even in non-thermally controlled environments, programming the thermal expansion coefficient of different materials.

3 years guarantee:
Very long operational life by using high quality components.
Made in Italy.

Gauge model		XLS40/1500/B
Measuring Field		40 mm
Measuring Range	Rectangular Wire *	0.5x1 – 6x14 mm
	Round Wire *	1.5 – 6 mm
Repeatability	Rectangular Wire *	Under definition
	Round Wire (T=1s, ±2)	± 0.07 µm
Linearity	Rectangular Wire *	Under definition
	Round Wire *	± 0.5 µm
Scanning Rate		1500 Hz
System Weight		11.5 kg

* Specifications of the gauge when used for the SUPERWIRELAB System;
for further details of XLS40 laser gauge check the technical datasheets and our web site.

MARPOSS
AEROEL

IMQ CERTIFIED
QUALITY MANAGEMENT SYSTEM
ISO 9001:2015

IQNET CERTIFIED MANAGEMENT SYSTEM