AEROEL
MECLAB X40 WE

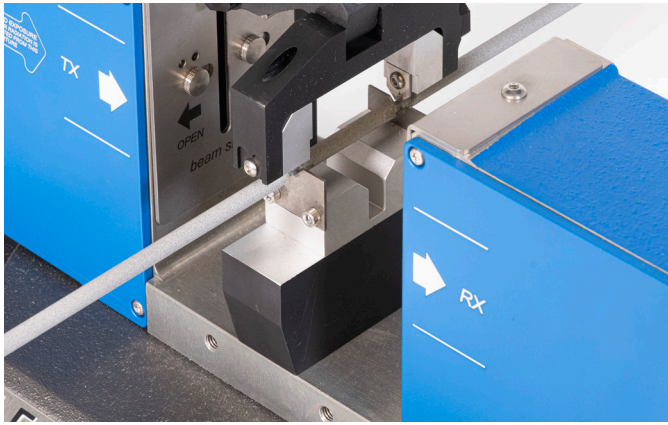## Welding electrodes flux coating checking is now easy, quick and accurate.

PRELIMINARY

New product !

MECLAB.X40 WE is a high-performance tabletop laser micrometer for the off-line measuring of the diameter of the flux coating and it's eccentricity relative to the core wire.

- Repeatable and objective results not affected by operator's skill.
- Highly flexible: different diameters can be measured without system re-mastering.
- Rugged construction suitable to be used in workshop environment.

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How does it work?

The wet electrode is placed in the "V" Block and it is manually rotated with a little pressure.

The Flux is removed at the point of V-Block and the electrode will rotate with core wire.

The laser system measures the diameter of the flux coating and it's eccentricity relative to the core wire.

The measurements are showed in the display for an immediate dimesion check.

In this way it is possible to control the quality of the coating and regulate the production.

The Meclab 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.
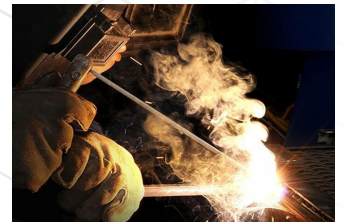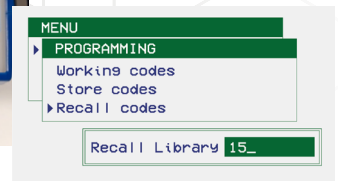
Part library for easy programming
Up to 5000 control sets (tolerance limits, measuring mode, etc.) can be stored in a "part library".

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/A
Measuring Field		40 mm
Measuring Range	**Electrode core wire**	1.5 – 6 mm
	Flux coating	Max 15 mm
Repeatability (T=1s, ±2σ)		± 0.07 µm
Linearity (Centred Product)		± 0.5 µm
Scanning Rate		1500 Hz
System Weight		11.5 kg

* Specifications of the gauge when used for the MECLABX40WE System;
for further details of XLS40 laser gauge check the technical datasheets and our web site.

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