

On-line 100% accurate measurement of the diameter and ovality of drawn wire

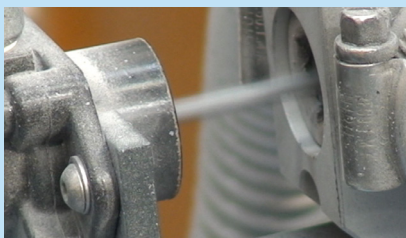
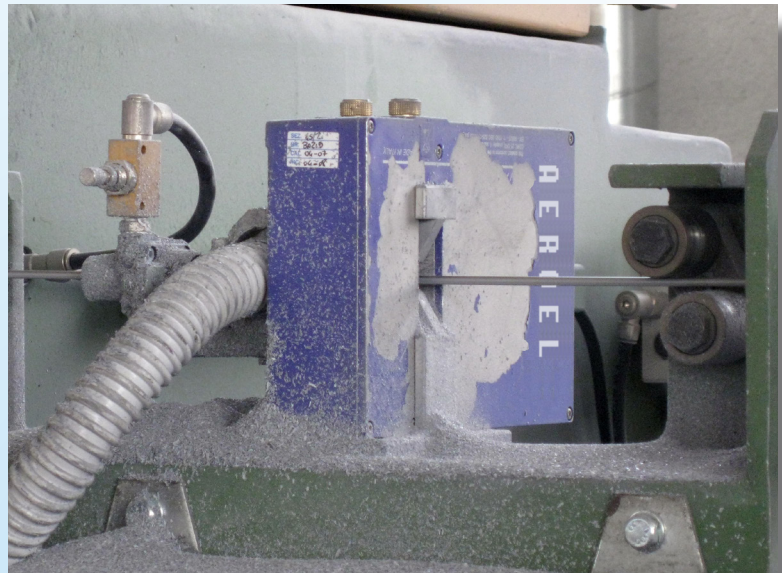
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AEROEL

That's the challenge won by **Aeroel**.

Usually soap, dust, wire speed and vibration make most of existing optical instruments unable to measure the wire on-line or even to "see" it.

Aeroel has developed laser measuring systems really insensitive to the dust and to the wire vibration.

These are the final result of 20 years experience in measuring the wire at the output of dry drawing benches: really working and reliable turn-key packages to solve the problems of the wire speed and drawing dust.



Gauges really insensitive to dust

Aeroel has developed and patented an unique **pneumatic protection device** to be used on the dual axis gauges, to keep the drawing dust off.

Using the concept of a **self cleaning air wipe**, the dust protection device has been specially designed to be used in steel dry drawing environment. Using such an exclusive device it is possible to achieve **several week of uninterrupted operational service**, even on critical machines, where the competitive systems last a few hours.

Accuracy not affected by wire vibrations

The Aeroel technology made it possible to develop dual axis laser gauges which can measure the wire diameter and ovality without being affected by the wire **speed** and **vibration**: that makes it possible the 100% , on-line quality check, from 0.03 to 32 mm diameters.

Thousands of successful applications

Aeroel offers a wide range of **state of the art solutions** to check the wire, on and off line. You can find our measuring systems worldwide, in best factories and research centers: quality and technology **Made in Italy**.

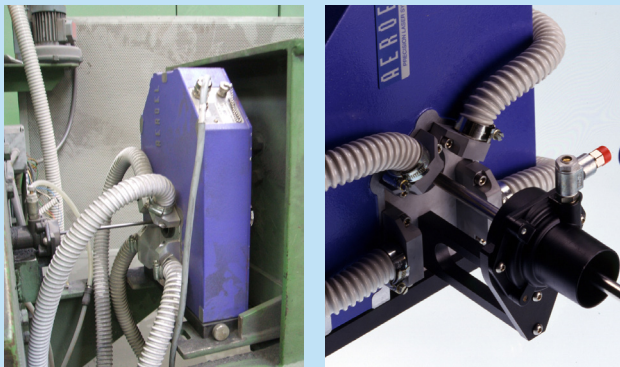
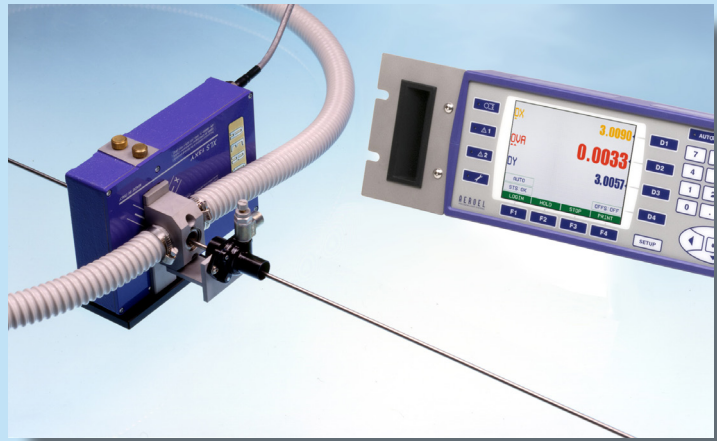


WIRELINEXY

Wireline.XY is a Laser Measuring System specially designed to monitor the diameter and ovality of steel and copper wires.

The main functions of the system are:

- Measurement and display the external diameter and ovality.
- Out-of-tolerance alarms.
- Processing and printing of statistical reports.
- Interfacing with a remote computer.

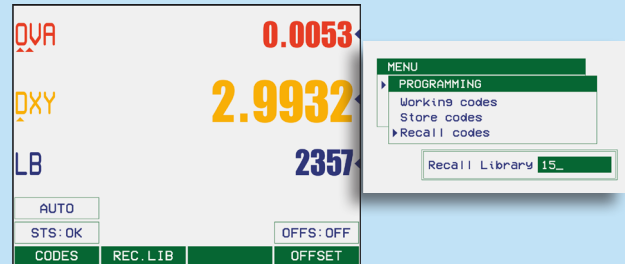


The Basic system is composed of:

- XLS13XY or XLS35XY Laser Gauge.
- CE-200 Operator's Interface Panel.
- Wireline.XY Software (basic module) pre-installed in the Gauge.

Options and accessories:

- Supplementary software for Weight computation and/or for Statistical Analysis.
- Mechanical shields to protect the gauge; compressed air can be fed into the shield.
- High pressure centrifugal blower, to supply dry and clean air.
- Air blowing ring, to clean the wire.
- Proximity switch for length counting.
- Software for PC connection.



www.aeroel.it

Visit us in Internet; you will find all information about Aeroel's products and service

You Tube Aeroel application movies on www.youtube.com/aeroelsystems

Do not hesitate to ask for additional details, an offer or even a demo at your plant.

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