

Company Data

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QUALITY CERTIFICATION

ISO 9001:2015

HEADQUARTERS

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Product Range

- **OPTICAL INSTRUMENTS FOR IN-LINE AND OFF-LINE MEASUREMENTS AND QUALITY INSPECTION OF PHARMACEUTICAL, ELECTRONIC, SCIENTIFIC AND AUTOMOTIVE GLASS.**

NIROX is an **Italian company** specialized in optical **measuring** and **quality control instruments** and systems for **industrial productions**.

Glass is our main market, and our sensors and systems are mostly used in **Pharmaceutical, Electronic, Scientific** and **Automotive Glass**.

Our portfolio of solutions is continuously increasing and expanding to other market segments, as we face every day new challenges from our valuable customers.

Our products for glass are:

- **ODk** sensors are optical micrometers which allow measuring **outer diameter and ovality**. Different measuring ranges are available for different market segments.
- **m-Thick** measure **thickness of glass** panels, tubes, and objects in general. In the automotive glass market, they are used to measure



thickness of PVB in the stretching lines.

- **multi-Thick** analyze **complex structures** by measuring the **thickness of each layer**, including **coating**. They are used in **automotive glass** to measure inner layers after lamination.
- **OTS optical sensor** is used in the **glass chemical etching process** for electronic displays. It measures the thickness of the panel during the process, in the slimming chamber.
- **NCSline** is a family of systems for dimensional inspection of pharmaceutical **glass tubes in production** lines. Tube tracking for sorting and cosmetic inspection data integration provide the total control and performance analysis of the production line.
- **NCSlab** is an automatic **offline measuring instrument** for glass **tubes and preforms** which quickly provides tubes measurements for **production control or incoming inspections**.



NCSline



- **VISline** is a family of devices designed for the **pharmaceutical primary packaging**, to be installed on the **glass tube converting machines**. The main controls are:
 - **VISline.B**: bottom features
 - **VISline.D**: dimensional measurements on the forming machine and on the after-forming line
 - **VISline.C**: cosmetic inspections after the annealing oven
- **EVline** inspect **pharmaceutical glass tubes after the cutting and glazing** machine. **Dimensions and defects** are both inspected by state-of-the-art image processing algorithms.



- **CMSline** systems provide the inline cross-sectional measurements of **glass capillaries in the drawing process**. All dimensions are obtained with just one sensor with multiple heads expansions.



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