



## Scanner on-line/in-line PI-SCANPRO

### Dear Customer

POLON-IZOT provides measuring, control and automation system for industry sectors like textile, nonwovens, paper, wood, composite materials.

POLON-IZOT is innovative a manufacturing company, continues business activities of world-known company POLON, established in 1956. We have over 600 installations worldwide. Our strategy is to be a provider of new technology and innovation to measurement grammage, thickness, width, moisture and solve a technical issues of our customers.



### Thickness and grammage gauges

Thickness and Basis Weight gauges in laboratory and industrial (online) execution can operate in a contactless manner and do not destroy the sample. Electrical signal from measuring head is transmitted to the microprocessor controller, where signal is being analyzed and converted to thickness gram weight of the measured material. Meters, especially online, can provide remote control of the production process working under extreme temperatures and harsh environmental conditions.



### Applications

Measurements of the thickness and weight of the foil, paper products, plastic products, mineral wool and glass, floor coverings, rubber, chipboard, sheet metal, steel and plastic pipes and multi-layered composites.

### Commonly-used types of radiation

- IR - NIR;
- laser;
- microwaves;
- isotopic radiation;
- X-rays;
- UV-Vis.

### Basic equipment

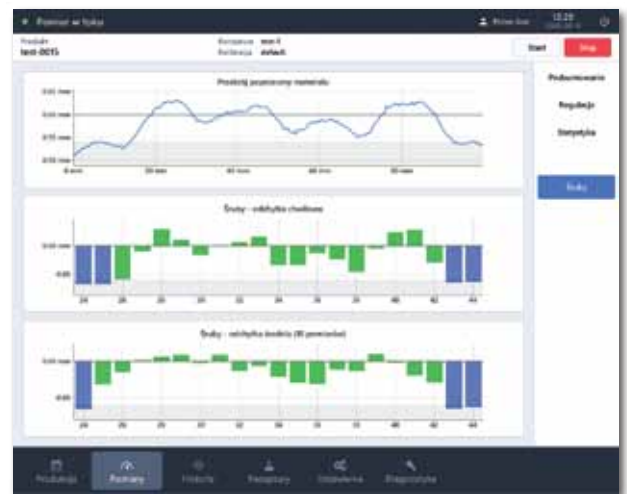
- measuring head and microprocessor controller;
- computer with basic software;
- acoustic and visual alarm indicator;
- documentation (DTR, manual, warranty card, Declaration of Conformity, CE, Rohs Certificate, Made in EU, Poland);
- transportation, installation and service training.

### Optional equipment

- dedicated software with extended interface;
- Integration with Production line (customise).

### Functions

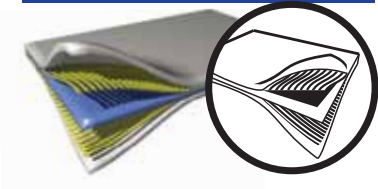
- laboratory and industrial measurements;
- scanning measurements, traverse and spot metering;
- real time weight and thickness measurement;
- measurement of multilayer using various types of detectors;
- automatic calibration and detection material edges;
- automatic disconnection in case of a radiation source power failure or system response STOP;
- automatic archiving, recording and data visualization measurement using a computer;
- signaling of the technological tolerance;
- gauge dimensions adapted to the width of the material;
- non-contact, continuous measurement by means of:
  - movable scan head,
  - spot metering - one or more heads.



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TYPICAL APPLICATION:

COMPOSITE MATERIALS



PLASTIC FILM



PAPER



NONWOVENS



GUM



PLATES



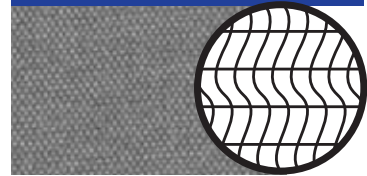
PLASTICS



INSULTATING MATERIALS



FABRICS



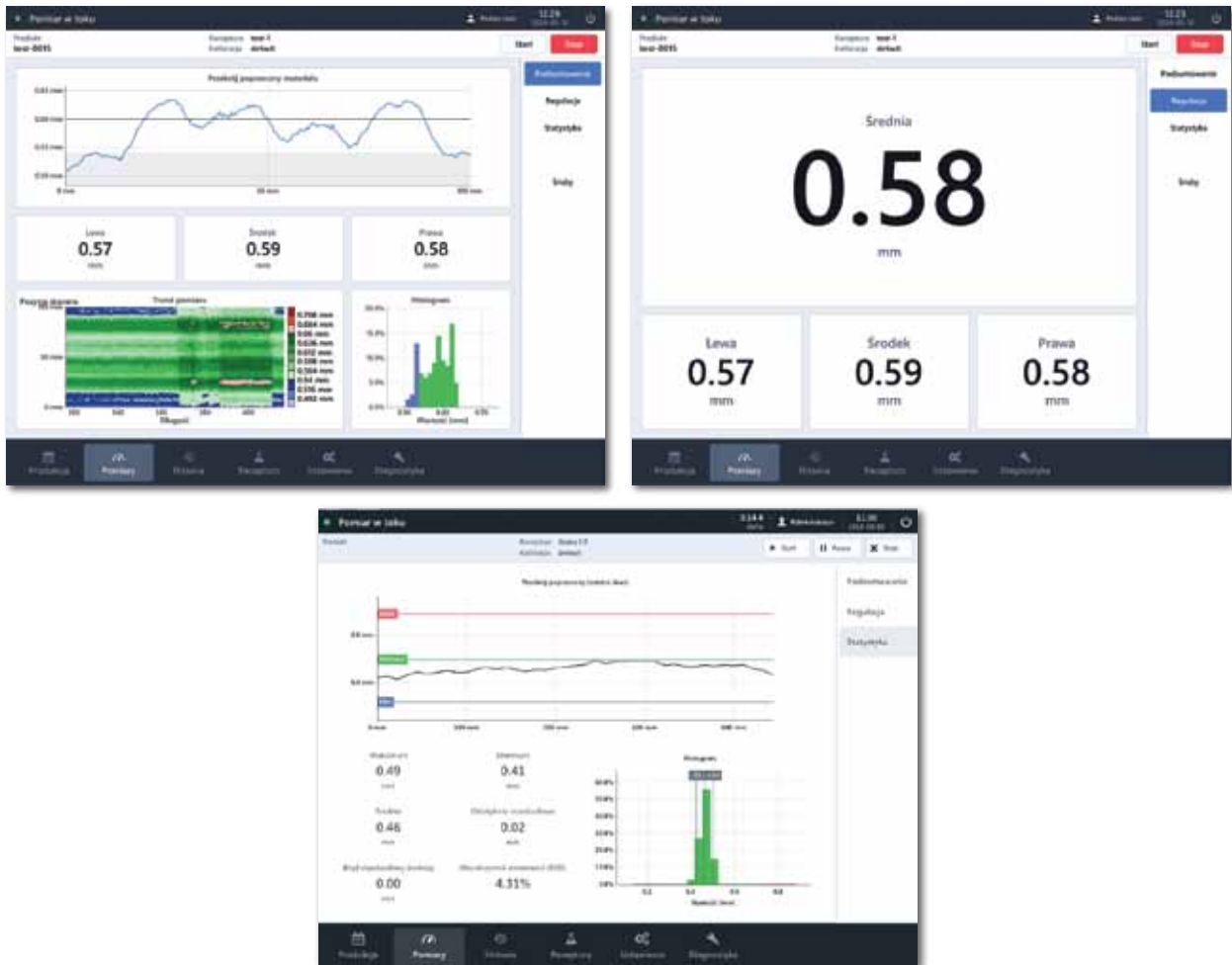
Example: on-line basis weight gauge integrated in the production line



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### Customer benefits

- Stable and innovative technology used to create our gauges
- We provide you not only device but full service package (24 h/7)
- We can guarantee our clients an individual approach and customized solutions (Measure & Save Philosophy)
- Ability to provide information from a large volume sample, thereby providing a good average of the measured values and high accuracy
- Because of the deep radiation penetration into the material measurement can also be carried out in harsh industrial environments (eg. at high temperatures)
- Our long experience in narrow specialization allows us to reduce production costs, what gives our products competitive price.



**We can solved your technical issues!**

Visit us: [www.polonizot.pl](http://www.polonizot.pl)



**POLON - IZOT sp. z o.o.** continues business activities of world-known company POLON United Nuclear Devices Works, established in 1956 which functioned as Office of Nuclear Technology Devices.

We closely co-operate with Central Radiological Safety Laboratory (Warsaw), Radiochemistry and Nuclear Technology Institute (Warsaw), Atomic Energy Institute (Świerk) and Institute of Physics at Warsaw University. Our long experience in narrow specialization allows us to reduce production costs, what gives our products very competitive price.

The company holds Permits of the Ionization Radiation Application Supervision Department of the National Atomic Agency of Poland for the manufacture of isotopic equipment and XRF spectrometers.

**POLON - IZOT sp. z o.o.** | ul. Michała Spisaka 31 | 02 - 495 Warszawa  
tel. +48 22 724 74 64 | fax +48 22 724 94 31 | e-mail: [biuro@polonizot.pl](mailto:biuro@polonizot.pl)