iNOEX
INSPIRE BEYOND MEASUREMENT

# Optimising Production Efficiency through Precision and Automation

## Success Story at K-Flex Polska

**In the dynamic world of manufacturing, precision control and automation are critical success factors. At iNOEX, we pride ourselves on helping leading companies meet these challenges. A particularly notable example is our work with K-FLEX Polska, a manufacturer of foam insulation (rubber, PE, mineral wool, polystyrene), multilayer PE-RT/Alu/PE-RT pipes, pre-insulated pipes and self-adhesive foils and tapes.**

K-FLEX is a multinational manufacturing company specialising in the production of flexible elastomeric thermal and acoustic insulation materials. The company has manufacturing facilities and a network of subsidiaries around the world. Its diversified product portfolio provides innovative solutions for many industries, including construction, transportation, petrochemical and renewable energy.

For over 30 years, K-FLEX products have been recognized in the insulation market for their high standards of INNOVATION, QUALITY and PERFORMANCE, playing a vital role in controlling energy consumption and reducing greenhouse gas emissions. K-FLEX's international production and wide distribution network provides customers with short distances to access customized services tailored to their specific needs.

### The Challenge

K-FLEX was faced with the challenge of optimizing its production processes and minimizing human error. In their search for the best solutions available on the market, they chose iNOEX technologies based on industry recommendations. Key to this decision was iNOEX's position as the market leader in dispensing systems for multilayer pipes. iNOEX's many years of experience and extensive expertise gave KFLEX the confidence that they would be able to achieve their production goals efficiently and reliably. With iNOEX's advanced technologies, they have not only been able to improve the quality and consistency of their products but have also reduced production costs and significantly increased the efficiency of their operations. This has led to an overall increase in competitiveness and improved customer satisfaction.


*Tomasz Dużak (Manufacturing Director PE Plant, left) and Mateusz Kołodziejczak (Production Manager Pipes Dept, right)*

### Finding the solution

K-FLEX now uses the iNOEX gravimetric and ultrasonic measuring systems. These systems have proven to be extremely accurate and reliable and provide perfect process control. The support during the purchase and project phase, as well as the subsequent commissioning, was a matter of course for us and we are pleased that K-FLEX found this to be excellent and beyond their expectations.

The implementation of our systems has had a significant impact on our partner's production processes, particularly in the field of automation. The ability to identify pipe size online and accurately control material usage ensures that production quality and efficiency is maintained at the highest level. This precise control not only reduces waste, but also significantly lowers production costs.
Another benefit is the increased flexibility in production. Thanks to the iNOEX solution, K-FLEX can react faster and more efficiently to market demands and customer requirements. The continuous monitoring and adjustment of production parameters in real time results in consistently high product quality and minimizes the risk of production errors.

## Everything under control with automation

iNOEX's automation and advanced systems have enabled K-FLEX to minimize production errors and significantly increase the efficiency of their production line, allowing them to deliver the highest quality products to their customers while remaining competitive. This collaboration is an impressive demonstration of how our technologies can help optimize production processes. At iNOEX, we always strive to develop innovative solutions that help our customers achieve their production goals and meet the challenges of the marketplace.

**Our partnership with K-FLEX is further proof that we can succeed together.**

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