

MULTIPOND



POULTRY PROCESSOR GOES FOR WEIGHING TECHNOLOGY



from MULTIPOND



KG Group

CASE STUDY



KG GROUP

The long-established poultry-breeding KG Group is one of Lithuania's highest-tech and economically strong production associations in Lithuania. The Vilnius-based company follows a philosophy of tradition, perfected experience, high working standards, as well as quality and modernity in production technology. The meat is supplied exclusively from its own poultry farms. Over 6,000 tons of meat are packaged every month, around half of which is exported abroad.



cerned, numerous tests were conducted with various manufacturers. The test results clearly argue for MULTIPOND. As the only manufacturer of multihead weighers, MULTIPOND was also able to meet the requirement of weighing both fresh marinated and deep-frozen products by a fully-automated process using just one system. For good reason, then, Valdas Keršys, Maintenance Manager, decided on MULTIPOND for the multihead weighers. Just recently, two type MP-14-7100-2500-H-UL systems and a type MP-14-3800-2500-H-UL weigher were purchased for the factory in Vilnius for the fully-automated weighing of various poultry products.

The company's huge success and the continuous growth this generates means the company group now has to be expan-

ded. Just recently, production was extended into another area with three new packaging lines. As far as multihead weighers are con-

The project is unique in that each line has been converted with a different packaging machine to be able to fill the most diverse types of packaging.

PATENTED SURFACE PROFILE

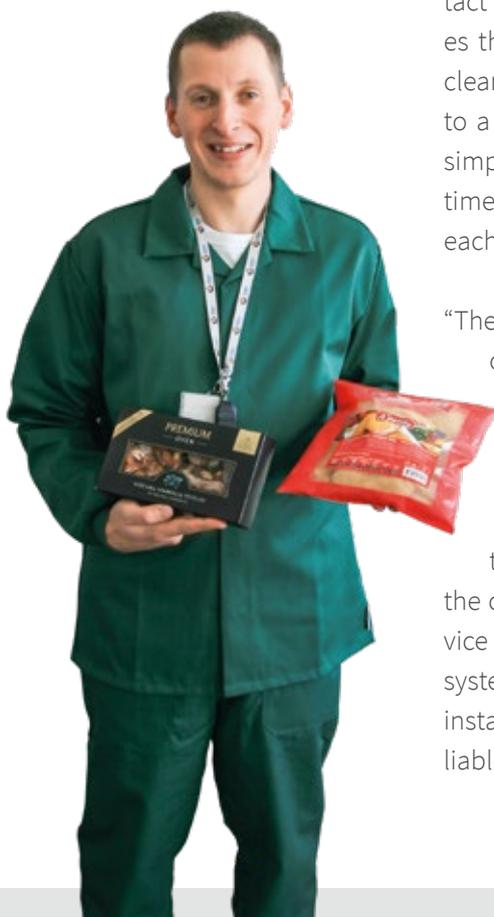
The poultry products are fed to the three weighing systems via special spiked conveyors from the French company MCA. Once on the weigher, the poultry meat is first conveyed to the prefeed hoppers via the radially positioned feed trays and then to the weigh hoppers below. Another key purchase criterion for the KG Group was the use of the patented surface profile on the distribution cone and feed trays. This effective yet simple solution permits a straightforward and controlled conveying of the most adherent products, while maximizing careful product handling.

Using the partial portions, a computer determines the combination that comes closest to the target weight. The fully automated calibration of the proprietary load cells ensures the highest accuracy and availability by means of calibration weight. As Valdas Keršys, Maintenance Manager explains, “The accuracies are incredible, the investment has paid off in a very short time. The fully-automated calibration was another major advantage in our purchasing decision.” The mean value, the critical value for the calculation of the giveaway, is less than 1 % of the target weight. After the actual weighing process, the accurately weighed portions are transferred to the product

transfer system designed specifically for this application. This is the interface between weigher and

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Valdas Keršys, Maintenance Manager



packaging machine. A form fill seal machine, tray line and a thermoforming machine are fed without any problem.

With target weights of 250 g to 5000 g, the outputs here are up to 80 weighings per minute for deep-frozen goods and up to 42 weighings per minute for fresh poultry.

TOOL-FREE REMOVAL OF PRODUCT CONTACT PARTS

Since the KG Group requires frequent product changes, up to 38 different products are run on one system, a key purchase criterion for Valdas Keršys was the quick and tool-free removal of product contact parts, which effectively reduces the systems' standstill time for cleaning and maintenance work to a minimum. Wash racks, which simplify the cleaning process many times over, have been mounted on each platform.

“The short routes and instances of MULTIPOND were extremely advantageous for the project implementation. Drawing on its long-standing experience in weighing the most difficult products, the company was able to offer advice and support. All MULTIPOND systems have run smoothly since installation and are completely reliable,” says Keršys. «



ENGINEERED AND MANUFACTURED IN GERMANY

MULTIPOND has been an owner-managed company since the very beginning. Drawing on more than 70 years' experience in industrial weighing technology, we are a pioneer in this sector. Our success is based on the high quality and excellent technical standard of our weighing systems. We consciously commit to a high level of vertical integration, as well as production exclusively in Germany. We have made the topic of customer orientation our corporate maxim. A team of more than 300 employees work worldwide to offer our customers from the food and non-food sectors optimized, unique solutions, tailored exactly to their requirements at all times. Sales, project planning and service are handled by the headquarters in Germany, and by the four subsidiaries in France, the Netherlands, UK and the USA, and by a worldwide network of agents.

www.multipond.com



MULTIPOND Wägetechnik GmbH

Traunreuter Straße 2-4
D-84478 Waldkraiburg
Germany
Tel: +49 8638 961-0
Fax: +49 8638 961-111
E-Mail: info@multipond.com

MULTIPOND s.a.r.l.

ZAC du Bois de la Noue
F-44360 Saint Etienne de Montluc
France
Tel: +33 2405 7301-0
Fax: +33 2405 7301-7
E-Mail: info@multipond.fr

MULTIPOND Benelux B.V.

Boven Zijde 10
NL-5626 EB Eindhoven
The Netherlands
Tel: +31 40 262809-0
Fax: +31 40 262809-9
E-Mail: info@multipond.nl

MULTIPOND Ltd.

Unit 1, High Wycombe Business Park,
Genoa Way, High Wycombe, HP11 1NY
United Kingdom
Tel: +44 1494 471-580
Fax: +44 1494 533-487
E-Mail: info@multipond.co.uk

MULTIPOND America Inc.

2301 Hutson Road
Green Bay, WI 54303
United States of America
Tel: +1 920 4908-249
Fax: +1 920 4908-482
E-Mail: sales-us@multipond.com