



Case study

Automated and precise product dimensioning with Cubiscan in Rossmann Distribution Centers in Poland



Grudziądz, Łódź, Pyskowice, Zgierz, Dąbrówka Wielka



Key Benefits

1. Automatic and precise product measurement with an accuracy of up to 1 millimeter
2. Reduction of operator time from several minutes to just a few seconds
3. Elimination of difficulties in the measurement and data registration process
4. Full integration of measurement data with the WMS system
5. Unification and standardization of the logistics master data

We just **know how.**



01/ Client Information

Rossmann drugstores are close to people. Our ambition is for every Pole to have their own Rossmann — one they can reach on foot, by bike, or by car. You'll find us in shopping malls, retail parks, and residential areas all across Poland.

We are a synonym for the word “drugstore” in Poland. People don't say they're going to the drugstore — they say they're going to Rossmann. Our mission is “To inspire and support people in loving themselves every day.”

We encourage our customers to find a moment for themselves each day — a moment of mindfulness, reflection, and connection with themselves. When we love ourselves, it becomes easier to build good relationships with others — to love, to make friends, and to have kind people around us.

ROSSMANN

Locations

Distribution Centers in
Grudziądz, Łódź, Pyskowice,
Zgierz, Dąbrowka Wielka
Poland, UE

Industry

Retail

Website

www.rossmann.pl

02/ Implementation overview and goals

The main goal of the project was to **eliminate the manual, time-consuming, and error-prone process of measuring products**, and to automate the transfer of data to warehouse management systems. The implementation of Cubiscan 325 dimensioning devices aimed to:

- Ensure accurate and repeatable measurement of every SKU
- Transfer data directly to the WMS
- Standardize data formats across the organization
- Optimize warehouse space and transport

A pilot implementation at the Łódź logistics center confirmed the solution's effectiveness, leading to its expansion to all Rossmann Distribution Centers in Poland.

03/ Challenges

- Time-consuming, manual collection of product dimensions and weights
- Measurement discrepancies caused by different operators
- Lack of automatic data updates in the WMS system
- Variation in data formats depending on the operator
- The need to standardize master data across the entire logistics network



04/ Scope of collaboration and Implementation



Detailed audit of requirements and design of a tailored solution package



Delivery, installation, configuration, and testing of Cubiscan 325 devices



Development of procedures, programming, and integration with the client's WMS system



Comprehensive operator training on system operation



Performance testing and adjustment of data structures to requirements



Scaling of the solution to additional distribution centers

05/ Achieved results

The implementation of Cubiscan 325 allowed the client to **fully automate the product measurement process**.

1. **Precision** – measurements accurate to 1 mm, eliminating subjectivity of manual readings.
2. **Speed** – measurement time reduced from 2–3 minutes to 10–15 seconds.
3. **Integration** – data transferred directly to the WMS without manual entry.
4. **Standardization** – uniform data format and quality regardless of operator.
5. **Space optimization** – precise data enables better planning of loading and storage.
6. **Sustainability** – reduced “air transport” volume, leading to lower CO₂ emissions.



Video case study

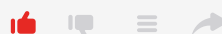
Scan the QR code to watch on our YouTube channel



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06/ Implemented solution



The Cubiscan 325 device ready for operation.



Placing the measured package on the glass platform.

06/ Implemented solution



The scanning system moves over the package to perform the measurement.



Data is collected and confirmed in the IT system.

07/ Client testimonial

„We save time, eliminate difficulties, and have consistent data across the entire organization”

We changed the way we work — moving from manual measurement to a fully automated process. Thanks to the Cubiscan devices, we now measure with millimeter accuracy, and data is automatically sent to the WMS system.

We save time, eliminate difficulties, and have consistent data throughout the organization. Previously, one measurement took 2–3 minutes — now it takes just a few seconds. We started in Łódź, and today the system operates in all Rossmann distribution centers across Poland.

Mariusz Kujawa

Distribution Center Manager
Rossmann Polska – Grudziądz



08/ Optimizing logistics and production processes

We don't just implement dimensioning systems. Here's what else we can do for you:

- Warehouse management systems – Digit.IO WMS
- Production management systems – Digit.IO Factory
- Automation and robotics for logistics, machine vision systems
- Auto ID hardware – terminals, tablets, barcode and RFID readers
- Label printers, label applicators, barcode verifiers
- Blue Yonder solutions for Retail and 3PL sectors
- Logistics consulting, Auto ID equipment service



Brochure



For over 30 years, we've been optimizing logistics and production processes.

We work with clients from nearly every industry and of all sizes. Numerous successful implementations worldwide have enabled HKK Group to develop the “one-stop” concept — a service model that allows clients to achieve complete optimization in their operations.

This includes WMS-class IT systems, Auto ID hardware, consistent labeling, and other materials essential for logistics and production information flow.



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