

About MW-T

The MW-T is an atline, stand-alone, fully automated and contactless microwave measurement system. It is designed to determine the moisture content and mass per unit area of a great variety of products already packed in boxes or processed to bales. Readings are independent of the product density. No additional weight scale or any other instrument to determine the mass of the goods is needed. If the dimension of the product to be measured is known, the density can be measured as well.

The MW-T will be used for quality monitoring of final products or reverse process control. With 42 measurements per second, one MW-T product scan is covering almost 80% of the material to be measured and is allowing 100% process control. The MW-T is accessible via integrated touch screen or remotely via team-viewer. Data can be transferred to process control if connected.

Brief Description

The MW-T makes it possible to get a “glimpse” inside a closed box or the inside of large bales. Moisture and density measurements can be made on a running belt, or while running a batch.

Advantages of Microwave



Moisture and density measurement



Measurement of core and surface moisture



Simple and longterm stable calibration



Independent of dust or dirt



Helps to reduce CO₂ footprint



Short ROI



ATEX protection possible



Industry 4.0 ready



Online-Cloud-Based support



Worldwide Service

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TEWS
MEASURABLY BETTER



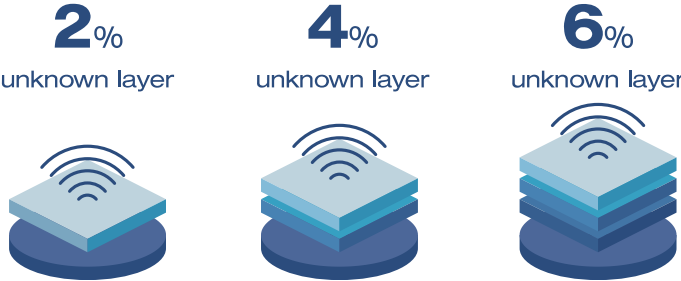
**Bales & Boxes
MW-T**

HIGH PERFORMANCE SOLUTIONS

Your production process combined with our patented solutions. The result: the most accurate data about the moisture & density of your products.

TEWS Measures Moisture and Density Independently

Traditional 1 - parameter - measurement



3 different layers of the same material with a typical 1 Parameter Method: Each layer increases the moisture → **misleading results**

Technical Data

MW-T introduces you to high-performance measurement for bales and boxes.

- Environmental Conditions: Temperature Range (operational) 0°C.+40°C
- Temperature Range: (Storage/Transport) -20°C.+60°C
- Relative Humidity: max. 85% (non condensing)
- Protection Class: IP54
- Safety Class: 1
- Dimensions (HxBxT): 600x540x350mm
- Weight: 50kg
- Interfaces: USB, LAN, Serial
- Inputs/Outputs: Digital I/O, Analog I/O
- Power Supply: 115/230VAC, 50/60Hz, max. 180W

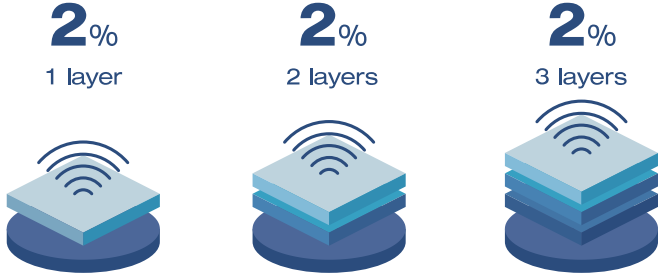
About TEWS

TEWS was founded in Hamburg, Germany back in 1970. Today, the company is owned and managed by André Tews in the 2nd generation of leadership. As the market leader in high performance moisture and density measurement solutions, TEWS is at the center of today's business for almost 50 years, now.

TEWS helps you streamline your processes, giving you the ability to collect and use data by applying a unique patented microwave technique across your production business.

When you run TEWS high performance solutions, you run measurably better. Let's look at your production structure together. And in a new, agile way we exchange, attach, discuss, omit or add knowledge. From this we develop new opportunities together. Bringing them into life brings your business forward at the same time. We call this Co-Improving.

TEWS - 2 - parameter measurement



3 layers of same material show the same moisture, the density is recognized and moisture result compensated → **correct results**

