

## About MW 4430

The patented measurement technique allows accurate measurement of cigar moisture and density regardless of the surface structure or color of the cigar under analysis. The horizontal cigar transport ensures perfect results, allowing the moisture and density profile of every cigar brand to be calculated independently of each cigar diameter.

The integrated color touch screen and its self-explanatory user interface allow the system to accurately keep track of results in conformity with ISO 9000. The following details are read and kept: time, date, cigar brand and make as well as minimum, maximum and average moisture and density values.

## Brief Description

Profile measurement of cigars and cigarillos, both machine- and hand-made, is possible up to 20mm. With this homogeneous quality can be assured.

## 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 CO<sub>2</sub> footprint



Short ROI



ATEX protection possible



Industry 4.0 ready



Online-Cloud-Based support

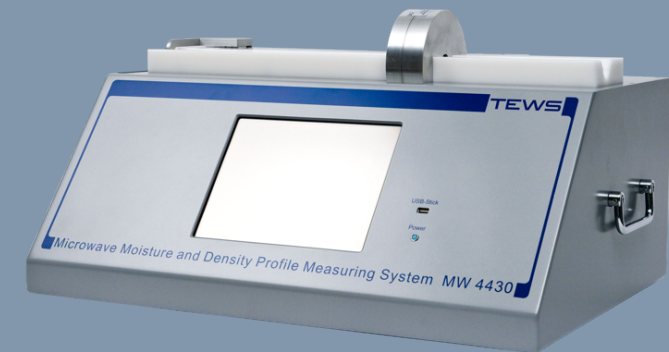


Worldwide Service

TEWS Elektronik GmbH & Co. KG

Sperberhorst 10-12  
22459 Hamburg  
Germany

**TEWS**  
MEASURABLY BETTER



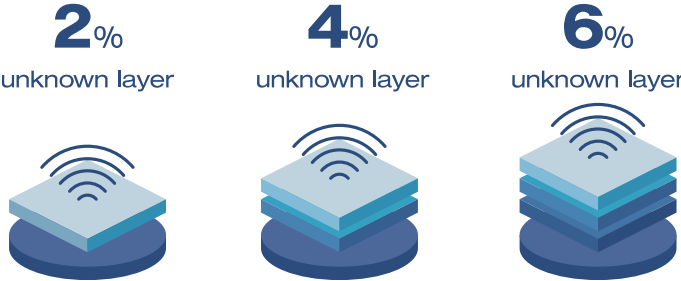
**Cigars & Cigarillo Measurement  
MW 4430**

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 4430 introduces you to high-performance quality inspection measurement for cigars.

- Power Supply: 110 - 230 V AC, 50-60 Hz
- Ambient Temperature: 0 - 40 °C
- Data Interfaces: 1 x Ethernet / 3 x USB
- Data Back-Up: SQL database
- Display: 10.4" (26.4 cm) colour touchscreen

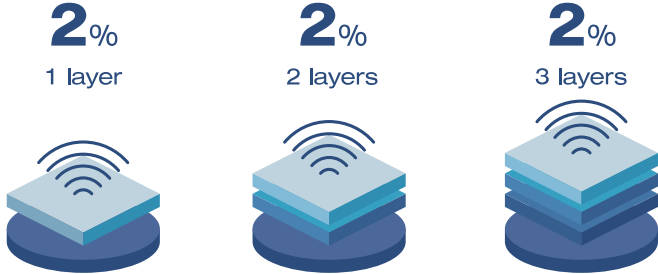
# About TEWS

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**

