# TheiaVu® WD-300

## WIPE-DOWN VISION MEASUREMENT SYSTEM FOR MEAT & POULTRY PROCESSORS



## Protein-Tailored Offline Vision Measurement to Meet Sanitary & Operational Demands of Meat & Poultry Processing

### OVERVIEW

The TheiaVu® WD-300 is KPM Analytics' answer for meat & poultry packers and processors seeking a better way to enhance their routine product quality checks. Equipped with measura® 4 Software and the measuraAI™ module, it assists quality control professionals by obtaining more precise and repeatable product measurement data to improve their production processes.

The TheiaVu® WD-300 combines the measurements of manual tools (calipers, color charts, etc.) into an all-in-one offline solution. This helps companies develop stronger standards for product quality by quantifying product features that are difficult or impossible to measure accurately manually.
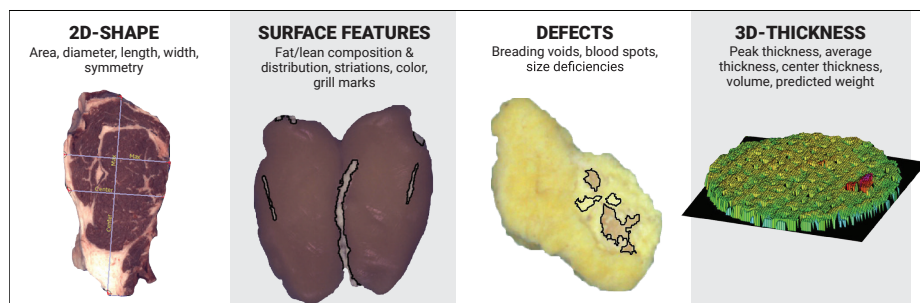
Additionally, the TheiaVu® WD-300 is a proper at-line quality assurance tool meeting the sanitary requirements of meat & poultry processing plants.

### APPLICATIONS

Used in the lab or at-line, TheiaVu® WD-300 produces critical measurement data for final products or work-in-progress for quality and process control. They can be used for:
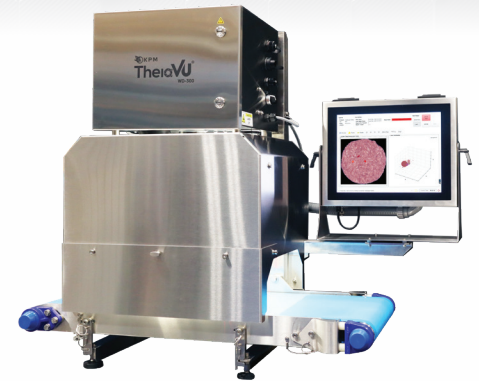
- Incoming inspection
- Product research & development
- Process improvement through product sampling
- Final product inspection
- Training & quality assurance program development

### TYPICAL MEASUREMENTS

| 2D-SHAPE | SURFACE FEATURES | DEFECTS | 3D-THICKNESS |
|---|---|---|---|
| Area, diameter, length, width, symmetry | Fat/lean composition & distribution, striations, color, grill marks | Breading voids, blood spots, size deficiencies | Peak thickness, average thickness, center thickness, volume, predicted weight |



### SANITATION & DURABILITY BUILT-IN

Meat processing plants benefit most from technologies deliberately designed and engineered for food processing environments, where daily cleaning processes involving harsh chemicals are established practices. The TheiaVu® WD-300 withstands rigorous sanitation protocols, allowing seamless integration into existing workflows without disruption.

### THEIAVU® WD-300 FEATURES

- Sanitary design with easy-to-change conveyor belt makes it suitable for meat & poultry processing.

- Equipped with measura® 4 Software and the measuraAI™ module, offering a built-in library with 100+ product measurements and advanced tools for anomaly detection, defect analysis, and more.

- Obtain critical data on product features like color, consistency, fat distribution (marbling), breading coverage, calculated weight, etc.

- Easy-to-use, IP69-rated operator interface with integrated PC.

- Interfaces with temperature gauge and scale (optional accessories).
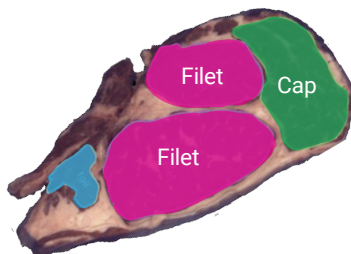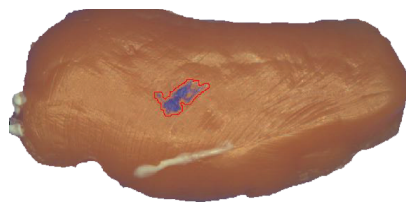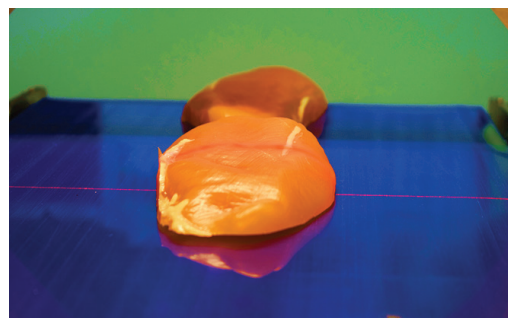
### THEIAVU® WD-300 BENEFITS

- **Objective Product Measurements:** Quantify specific product features that are difficult to measure manually.

- **Cost Savings:** Reduce time, labor, and waste from inaccurate product checks.

- **Superior Quality Control:** Product sampling at every stage of production provides teams QC teams with data they need to improve processes.

- **More Data:** Collect more measurements faster to better represent production.

# POWERFUL ANALYSIS, INSPECTION & STATISTICAL CONTROL

## measura® SOFTWARE SOLUTIONS

**POWERED BY measuraAI™**

The TheiaVu® WD-300 includes high-resolution cameras, lasers, lighting, and customized software to capture detailed images of meat or poultry products at various processing stages. With the measura® 4 Software and measuraAI™ module, users can deploy advanced algorithms to analyze visual characteristics and compare data against predefined quality standards to identify variations, abnormalities, foreign materials, and other defects.









### Anomaly Detection

Trained on your product to identify anomalies such as defects and foreign materials.
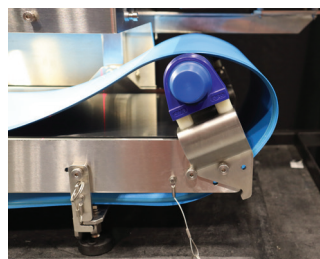
### Advanced Feature Analysis

Obtain quantifiable measurements on specific product features that are vital for product grading.

### Training and Data Handling Tools

Support deployment and configuration with a purpose-built setup and training environment.

## ORDERING INFORMATION

| Part Number | Description |
|---|---|
| 300-30002-00 | TheiaVu® WD-300 Vision Inspection System, easy-disconnect belt (width of 12" (300mm)) |
| 300-31000-01 | Integrated weigh scale |
| 300-21000-02 | Temperature probe, 2" or 4" probe length |



*Easy to change and clean conveyor belt design*

## SPECIFICATIONS

| | |
|---|---|
| **Dimensions** | 45.5" L x 37.25" H x 28.5" W (1156mm L x 946mm H x 648mm W) |
| **Weight** | 225 lbs (102 kg) |
| **Conveyor Dimensions** | 36" L x 12" W (914mm L x 300mm W) |
| **Cameras** | Standard 2D color (~0.2mm/Pix) ; 3D profile |
| **Lighting** | Polarized LED light |
| **Operating Temperature** | 40 °F to 77 °F (4 °C to 25 °C) |
| **Environmental Humidity** | 5%-95%, non-condensing |
| **Power** | 120VAC/60Hz/10A (220VAC/50Hz/5A optional) |
| **Operating System** | Windows 10 or above |
| **Software** | measura® 4 Software Suite |

*Temperature probe and weigh scale*

**KPM**