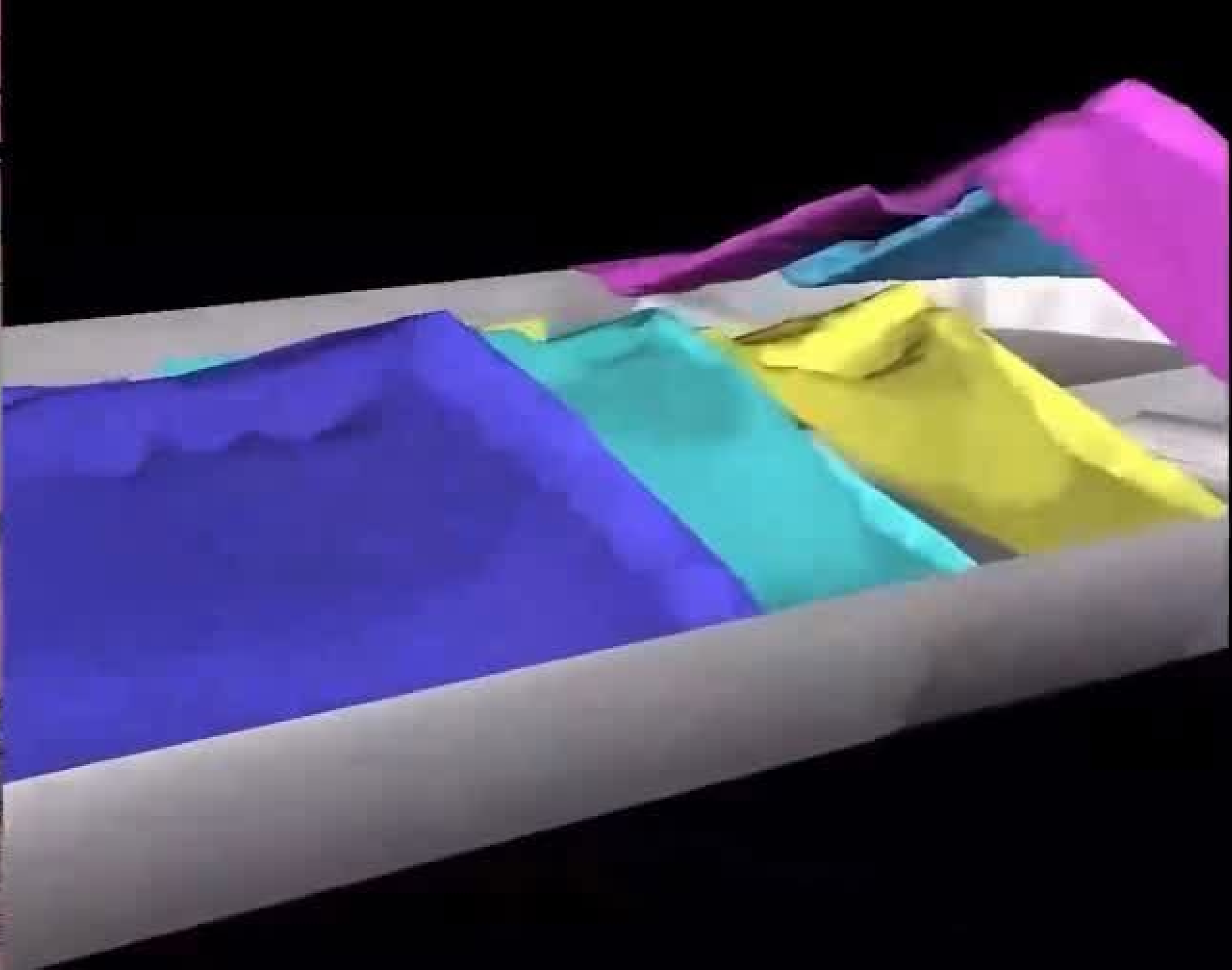




WINGFIELD
SCALE & MEASURE





| Shed Stockpile Inventories

Dan Caine
Managing Director
Wingfield Scale & Measure Company, LLC.

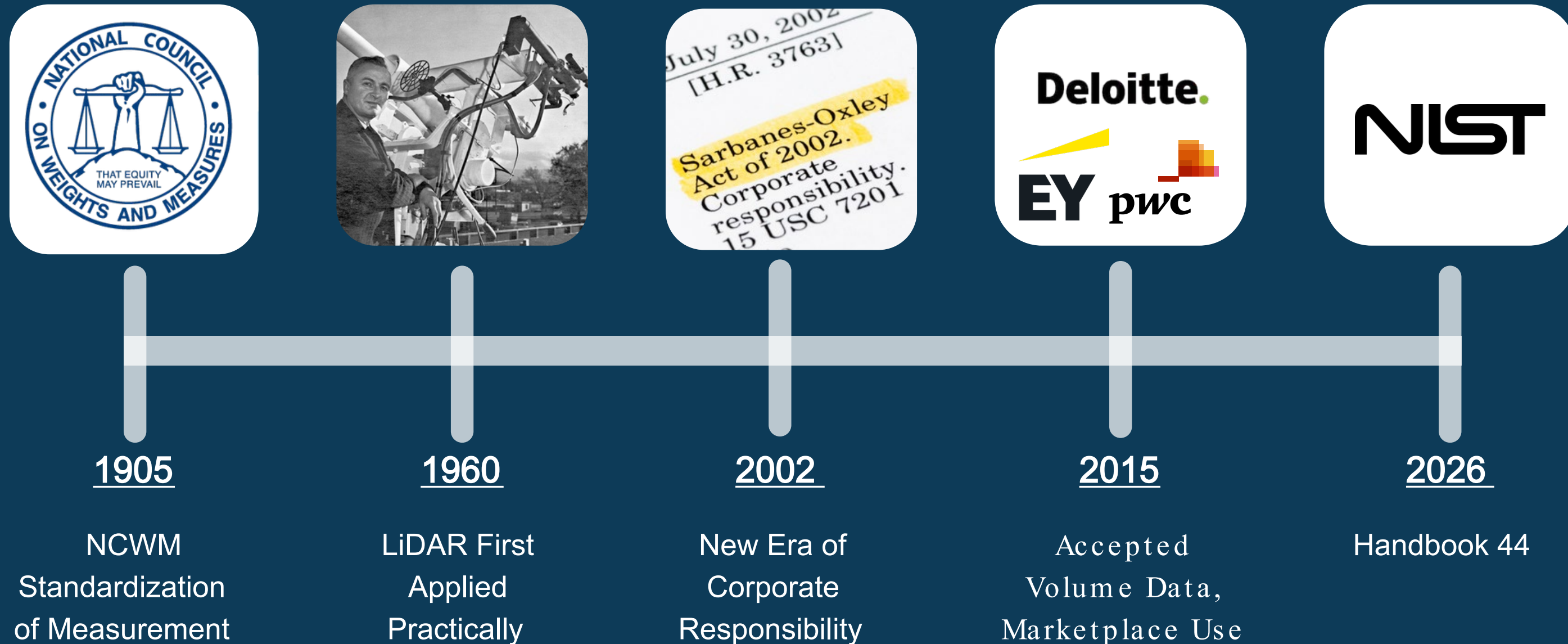


Uncompromising Accuracy

Due Process for MDMD Measurements

Validating Commerce by Volume

Financial Markets Accept The Measurements

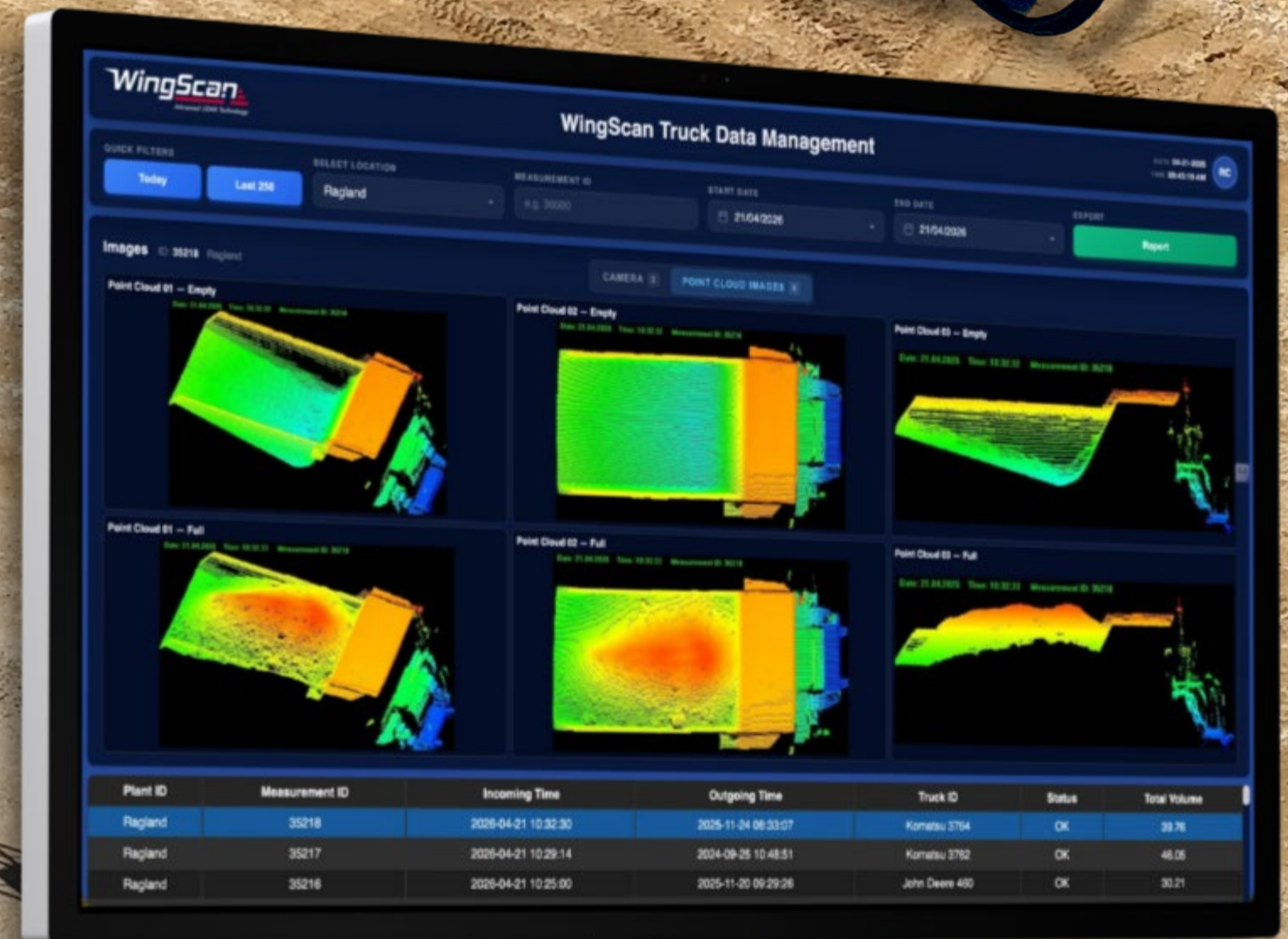


11th Council Establishes the Accepted Standard of Equity.



How should MDMDevices be verified and standardized for commerce?







Will this replace
scales?

WingScan

WingScan Truck Data Management

QUICK FILTERS

Today

Last 250

Flagland

MEASUREMENT ID

E.g. 35200

START DATE

21/04/2026

END DATE

21/04/2026

EXPORT

Report

Images

ID: 35218

Flagland

Point Cloud 01 - Empty

Date: 21/04/2026 Time: 10:32:30 Measurement ID: 35218

Point Cloud 02 - Empty

Date: 21/04/2026 Time: 10:32:30 Measurement ID: 35218

Point Cloud 03 - Empty

Date: 21/04/2026 Time: 10:32:30 Measurement ID: 35218

Point Cloud 01 - Full

Date: 21/04/2026 Time: 10:32:30 Measurement ID: 35218

Point Cloud 02 - Full

Date: 21/04/2026 Time: 10:32:30 Measurement ID: 35218

Point Cloud 03 - Full

Date: 21/04/2026 Time: 10:32:30 Measurement ID: 35218

Plant ID

Measurement ID

Incoming Time

Outgoing Time

Truck ID

Status

Total Volume

Flagland

35218

2026-04-21 10:32:30

2026-11-24 06:33:07

Komatsu 3764

OK

39.76

Flagland

35217

2026-04-21 10:29:14

2024-09-25 10:48:51

Komatsu 3762

OK

46.06

Flagland

35216

2026-04-21 10:25:00

2025-11-20 09:29:26

John Deere 490

OK

30.21



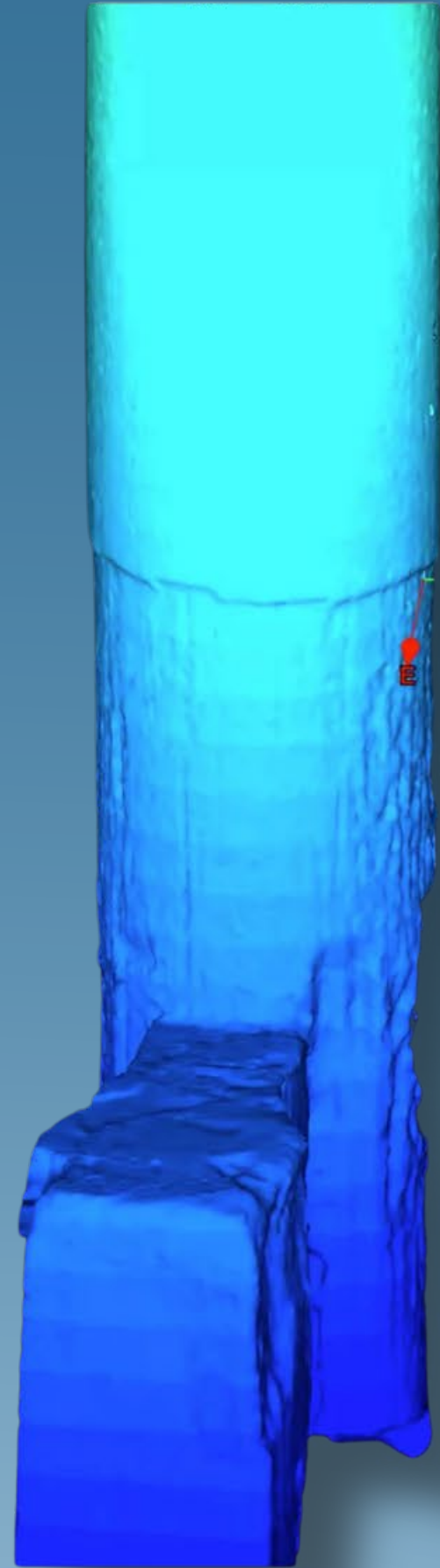
SCALES / **WingScan** *Transparency in Measurement*

✓	Weight Output	(Density Conversion)	✓
✗	Volume		✓
✗	Point Cloud Imagery		✓
✗	3D Load Distribution		✓
✗	Open Hatch Detection		✓
✗	Overloading & Underloading Alerts		✓
✗	Group ID & Segment #		✓
✗	Digital Measurement Database		✓





The Same
Measurement Principle
Applies to Bulk
Materials





Test Standard (3yd³)



Test

Truck
Scanning Gate



LiDAR Measurement
Head



Certificate Number: 26-001P
Page 1 of 5

NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance
for Weighing and Measuring Devices

For:
Multiple Dimension Measuring Device
In-Motion, Volume
Model: WingScan-T 3D-M
Maximum: 88.6 cubic yards
Minimum: 2.4 cubic yards
d_{min}: 0.2 cubic yards
Software Version: 1.0.0.78 or higher

Submitted By:
Wingfield Scale Co.
2205 S. Holtzclaw Ave.
Chattanooga, TN 37404
Tel: 423-698-0100
Contact: Joseph Wingfield
Email: joseph@wingfieldscale.com
Website: wingfieldscale.com

Standard Features and Options

- Bi-Directional dimensioning
- Two dimensioning heads
- Category 3 Event logger
- Windows 10 Operating System or higher
- RFID Scanner and tag for Vehicle Identification
- Stored vehicle zero volume reference
- Stop and go Dimensioning

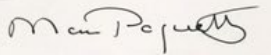
- Portable or stationary units
- Programing Language: C++
- Printed Tickets
- OCR camera for vehicle identification
- AC Voltage (120 nominal)
- Remote Display
- Scan Enable/Disable remote control

Dynamic operating range: 0.5 mph (Minimum) to 5 mph (Maximum)

Portable and stationary volume dimensioners must be installed in a level condition.

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices. Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages. *Editorial changes, not affecting the type or metrological content, corrected this certificate.


Kevin Schnepf
Chair, NCWM, Inc.


Marc Paquette
Chair, NTEP Committee
Issued: January 7, 2026

9011 South 83rd Street / Lincoln, Nebraska 68516

The National Council on Weights and Measures (NCWM) does not approve, recommend, or endorse any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.

How should MDMDs be defined, verified, and standardized for commerce?



The NIST logo is rendered in a large, white, stylized font. The letters are bold and modern, with the 'N' and 'I' being particularly prominent. The logo is positioned on the left side of the image, partially overlapping the background elements.

NIST

**NATIONAL INSTITUTE OF
STANDARDS AND TECHNOLOGY**
U.S. DEPARTMENT OF COMMERCE

THANK YOU!

Dan Caine
Managing Director
Wingfield Scale & Measure Company, LLC.



Uncompromising Accuracy



Test Standard (3yd³)



Test



LiDAR Measurement Head



Truck Scanning Gate



NATIONAL TYPE EVALUATION PROGRAM

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for Weighing and Measuring Devices

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Multiple Dimension Measuring Device
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Standard Features and Options

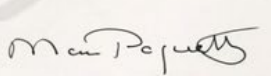
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- Two dimensioning heads
- Category 3 Event logger
- Windows 10 Operating System or higher
- RFID Scanner and tag for Vehicle Identification
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Multiple Dimension Measuring Device

Model: WingScan T 3D-M

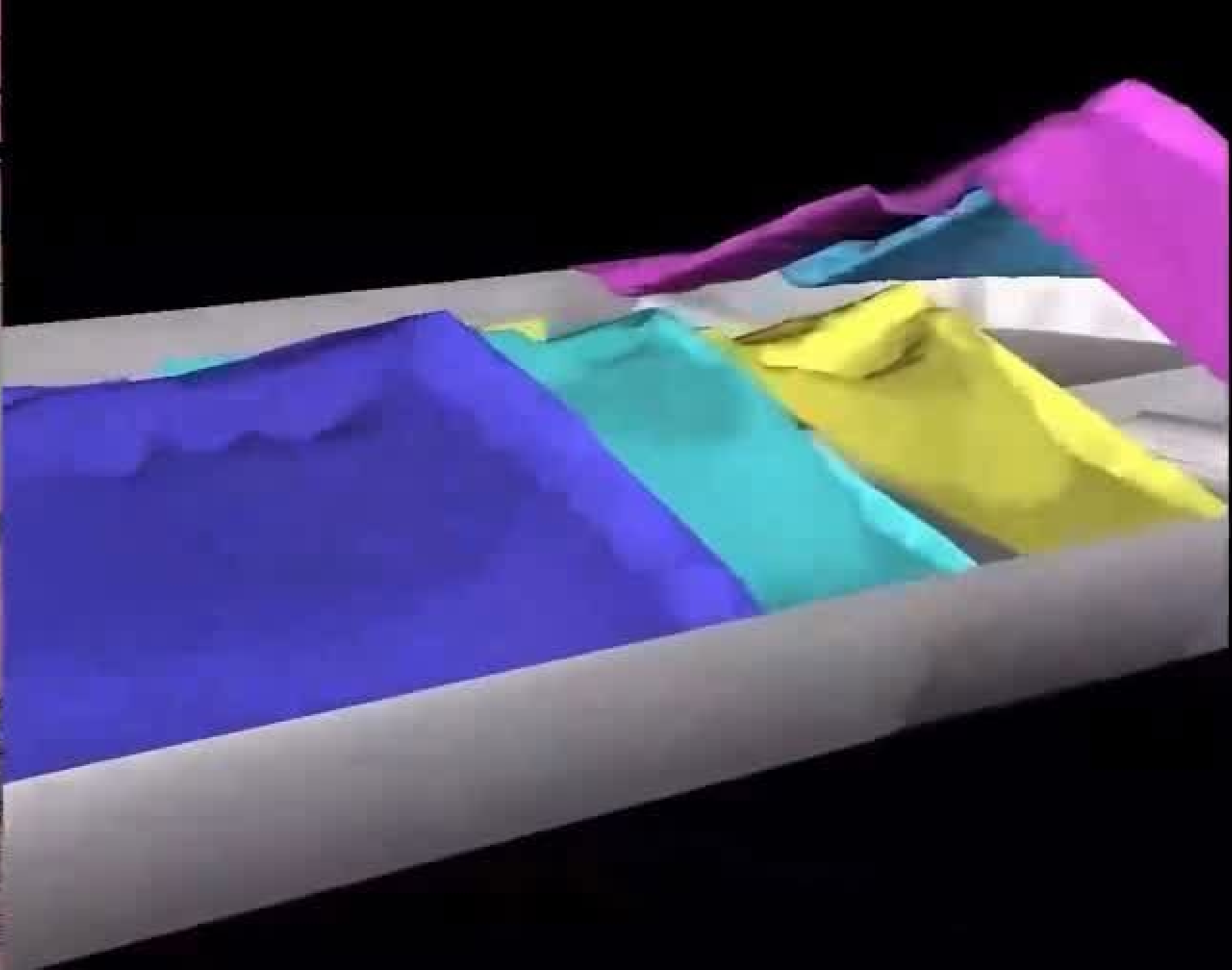
Serial:

Capacity: 2.4-88.6 yd³

Division: 0.2 yd³

Speed Range: 0.5-5.0 mph

Wingfield Scale Co., Chattanooga, TN



| Shed Stockpile Inventories