



World's leading manufacturer
of packaging and material
testing equipment.

Metal package testing



**INDUSTRIAL
PHYSICS**

Our brands
protect your brand

Gauges for dimensional measurement, and testers for package integrity and failure analysis. Manual and semi-automatic solutions for ensuring quality in food, beverage, and aerosol cans, ends and sheets. Online vision solutions for complete production control.

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About Industrial Physics

Industrial Physics is one of the world's leading manufacturer of test, measurement and inspection equipment focused on the food and beverage, metal cans, flexible packaging, paper and plastics, paint and coatings, medical device, materials testing and consumer electronics markets. With sales

presence in more than 75 countries, our brands are helping customers meet the ever-increasing test and quality standards required by demanding regulators, consumers and manufacturers. Our best-in-class products help companies the world over protect their brand integrity.



Colorbox Color Assessment Cabinet

Multi-Source Viewing System for the Inspection and Colour Matching of Inks, Paints, Plastics, Cosmetics, Textiles, Knitwear, Leather, Food, Paper, Colorants, and other coloured materials. The Colorboxes offer a extensive range of illumination conditions for any...

Applications

- Can inspection
- End inspection
- Print & ink properties
- Surface property
- Label inspection



[More information](#)



Comprehensive Abrasion Test

Universal test machine to test the coating abrasion resistance on beverage cans or flat materials. The reciprocating motion mimics in-the-field transportation abrasion damage.

Applications

- Can inspection
- End inspection
- Failure analysis
- Print & ink properties
- Surface property



[More information](#)

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Gloss meter

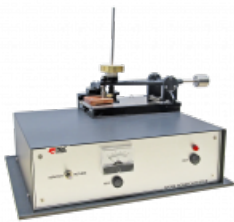
Portable precision glossmeters for production and laboratory. Suitable for paint and coatings, plastics, automotive parts etc. Made in The Netherlands.

Applications

- End inspection
- Print & ink properties
- Surface property
- Label inspection



[More information](#)



Motorised Scratch Meter

Motorised Scratch tester to evaluate a coatings hardness based on scratching resistance method. Depending on test procedures, specified or variable loads can be applied to obtain different degrees of failure, from trace to destruction.

Applications

- End inspection
- Failure analysis
- Hardness/stiffness
- Print & ink properties
- Surface property
- ... and more



[More information](#)



Opacity Reflecto Meter

Hand-held reflectometer for measurement of the opacity, or luminous reflectance, of a grey scale. Suitable for the evaluation of a coatings hiding power, or simple shade sorting tasks of metallised films, anodized aluminium or ceramics.

Applications

- End inspection
- Print & ink properties
- Surface property
- Label inspection



[More information](#)



Pendulum Hardness Tester

The TQC Sheen Pendulum Hardness Tester has a lot of unique features that ease defining hardness by the König and/or Persoz method as described in ISO 1522. Both methods work on the principle that the damping time of a pendulum oscillating on a sample indicates the...

Applications

- End inspection
- Failure analysis
- Hardness/stiffness
- Print & ink properties
- Surface property
- ... and more



[More information](#)



RAL K5 Colour Fan Deck

The colour fan deck RAL K5 contains all 213 RAL CLASSIC colours. Due to the full-page colour illustration, it is especially suitable for colour combinations and colour comparisons.

Applications

- End inspection
- Label inspection
- Print & ink properties
- Surface property



[More information](#)



SuperPIG Paint Inspection Gauge

SuperPIG is a destructive precision tool for inspection and thickness measurement on single or multiple coats on virtually all substrates, including wood, plastics, metals etc. Also observes and measures substrate and film defects.

Applications

- Failure analysis
- Thickness measurement
- Surface property



[More information](#)



Washability, Scrub, Abrasion Tester

The Scrub Abrasion and Washability Tester is used to test the resistance of paint, varnish or coatings to scratching, wearing, and color loss due to wet or dry abrasion, by simulating everyday wear from cleaning actions or general use

Applications

- Can inspection
- End inspection
- Failure analysis
- Print & ink properties
- Surface property
- ... and more

[More information](#)

Seam Inspection, in-line

The Seam Inspection module inspects the complete seam around the can. The module is positioned in-line to inspect 100% of the produced cans, non-destructively.

Applications

- Automated vision inspection
- Can inspection
- Leak detection
- Seam inspection

[More information](#)

360° Can Inspection

The 360° Can Inspection module is a highly accurate Mix-Up & Integrity Detection system for cans. The system integrates critical functionalities including (Bar- & DMC- & QR-) Code reading and Color Artwork & Damages inspection in one "all-in-one" system.

Applications

- Automated vision inspection
- Can inspection

[More information](#)



Empty Can Inspection

The Empty Can Inspection system is able to detect defects quickly and accurately on the flange, bottom and the inner sidewalls of the can. Pollution and spots on the inside, as well as flange dents, flange width and ovality/roundness are being inspected. The Empty...

Applications

- Automated vision inspection
- Can inspection

[More information](#)

Code Reading & Serialization

The Code Reading module inspects ink-jet, laser, thermotransfer and pre-printed ID codes on various packaging types, including (infant formula) cans, beverage cans, labels, cartons and PET bottles. The Code Reading module checks if codes are present, complete,...

Applications

- Automated vision inspection
- Can inspection

[More information](#)

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Digital Enamel Rater

The ENR-2000 is a Digital Enamel rater that tests for metal exposure on a variety of containers and ends.

Applications

- Enamel rating

[More information](#)



Aerosol Can Burst Tester

The ABT-3100 is a semi-automated burst / buckle tester designed to check the pressure at which the aerosol can end will buckle, and the pressure at which the aerosol can will burst.

Applications

- Burst strength-package
- Burst strength-package
- Can inspection
- Force resistance testing

CMCKUHNKE
ACCURACY | QUALITY | RELIABILITY

[More information](#)



AUTO-XTS

The AUTO-XTS is a fully-automated, on-line or stand-alone measurement system that provides non-destructive, complete double seam inspection for beverage fillers. The fully-automated AUTO-XTS provides faster inspection results, and reduced labour costs.

Applications

- Can inspection
- Seam inspection

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ACCURACY | QUALITY | RELIABILITY

[More information](#)



Axial Load Tester

The semi-automated Axial Load Tester measures the maximum axial load capacity of Beverage cans and Aluminum Bottles of multiple heights and diameters.

Applications

- Force resistance testing

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ACCURACY | QUALITY | RELIABILITY

[More information](#)



Bottle Can Inspector

The Bottle Can Inspection Gauge accurately measures characteristics of aluminum bottles with threads for caps using precision optics and high resolution cameras.

Applications

- Can inspection

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[More information](#)



United DSTM 20KN Table Top UTM

United's DSTM-20KN test frame is ideal for testing samples up to 20kN (4,500 lbf.). From basic tension and compression testing to advanced materials testing the DSTM-20kN is a versatile test system used across virtually all industries.

Applications

- Melt flow

UNITED TESTING SYSTEMS

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United DTM 50KN Table Top UTM

United's DSTM-50KN test frame is ideal for testing samples up to 50kN (11,200 lbf.). From basic tension and compression testing to advanced materials testing the DSTM-50kN is a versatile test system used across virtually all industries.

Applications

- Burst strength-sheet-Test
- Can inspection
- Coefficient of friction-Slide Angle
- Compression testing
- Creep Detection test
- ... and more

UNITED TESTING SYSTEMS

[More information](#)



Dome Reversal Tester

The Dome Reversal Tester is a semi-automated buckles tester designed to determine the pressure at which the bottom dome of a finished beverage can begins to buckle.

Applications

- Force resistance testing

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[More information](#)



End Measurement Gauge

The semi-automated, multi-diameter End Measurement Gauge provides automatic measurements for every characteristic of the can end.

Applications

- End inspection

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[More information](#)



Front End Station

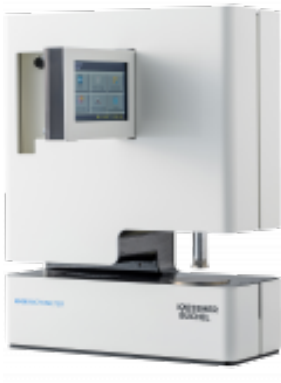
The Front End Station provides automated front end measurements on trimmed cans.

Applications

- Can inspection

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[More information](#)



49-56 Micrometer

Messmer Büchel model 49-56 digital Micrometer measures the thickness with an accuracy of one Micron. The design is user friendly with a touch screen and solid frame for extra stiffness and accuracy. The micrometer has a sensor in front so it auto starts and stops....

Applications

- Thickness measurement

**MESSMER
BÜCHEL**

[More information](#)



Pop and Tear Tester

The Pop and Tear Tester series test the quality of Easy Open and Peel Seal Ends.

Applications

- Force resistance testing

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ACCURACY | QUALITY | RELIABILITY

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[More information](#)



United DSTM 2.5KN Table Top UTM

United's DSTM-2.5KN test frame is ideal for testing samples up to 2.5kN (550lb.). From basic tension and compression testing to advanced materials testing the DSTM-2.5kN is a versatile test system used across virtually all industries.

Applications

- Coefficient of friction-Slide Angle
- Coefficient of friction-Horizontal
- Component integrity testing
- Compression testing
- Creep Detection test
- ... and more

UNITED TESTING SYSTEMS

[More information](#)

SEAMscan XTS II



The semi-automated SEAMscan-XTS is the non-destructive solution for double seam inspection. The gauge performs both cross sectional measurements and a 360° tightness scan.

Applications

- Can inspection
- Seam inspection

[More information](#)

Visionary QC 9 Software



Visionary QC is a dynamic data collection and statistical production analysis software designed to quickly lead operators through their quality inspections and provide useful reports for process control.

Applications

- Can inspection
- End inspection
- Seam inspection

[More information](#)

Our Brands

With our nine portfolio companies, Industrial Physics is one of the world's largest manufacturer of packaging and material testing equipment.

