



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

Pharma & medical device packaging 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.

2

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.



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](#)



Bending Resistance Tester

The Bending Resistance Tester measures the bending force and crease line. The bending angle can be set at any degree between 0 and 90 degrees. The test length can be set on six distances (5, 10, 15, 20, 25 and 50 mm).

Applications

- Flex & Bend Testing
- Hardness/stiffness

**MESSMER
BÜCHEL**

3

[More information](#)



Tear Tester

The Elmendorf Tear tester checks the tear strength of Paper, Films, aluminum foils, and textile or other similar samples. The accuracy is 1% of pendulum weight. A model for the lower ranges with pendulums of 4,000/ 8,000/ 16,000/ 32,000 and 64,000mN or a heavier...

**MESSMER
BÜCHEL**

[More information](#)

7000 Water Vapor Permeation Analyser



Modular systems for precision water vapor permeability testing of packaging film barriers. Range of 0.002-1000 g/m²/day with precision temperature, humidity and flow control

Applications

- Permeation rate determination



[More information](#)

8001 Oxygen Permeation Analyzer



The 8001 is a versatile and easy to operate oxygen permeation analyzer with 2 stations for testing films or packages. Fast purge times and accurate readings at lowest levels. Film range 0.008-432,000 cc/m²/day. Package range 0.0004-2,2000 cc/pack/day

Applications

- Permeation rate determination



[More information](#)

8200 Oxygen Permeation Analyzer



Simple, cost effective oxygen permeation testing for packages and bottle with two stations. Film range 0.04-100,000 cc/m²/day. Package range 0.00004 to 2,000 cc/pack/day

Applications

- Permeation rate determination



[More information](#)



Automatic Film Applicator Standard

The Automatic film applicator provides a reliable basis to apply coating films to test charts, panels or foils. The Automatic Film Applicator Standard comes as glass, vacuum, double vacuum or heated model.

Applications

- Print & ink properties
- Surface property
- Label 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](#)

5



Coefficient of Friction-Slide Angle

Slide Angle Friction is a measurement of a sheet like substrate such as paper, corrugated, plastic film or paperboard which determines the angle of inclination at which one substrate affixed to a sled will begin to slide/slip against another substrate of a similar...

Applications

- Coefficient of friction-Slide Angle



[More information](#)



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](#)

6

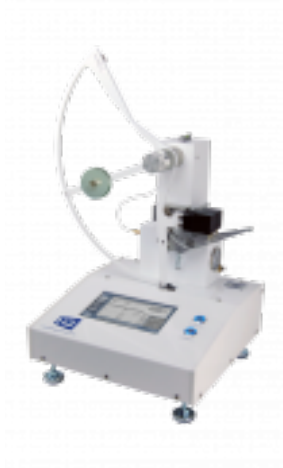


Compression Tester

Designed in close cooperation with the corrugated industry, the 17-76 Compression Tester is rugged enough for any production testing environment. Utilizing intuitive hardware features and menu-driven software, the 17-76 is designed to provide highly accurate...

Applications

- Compression testing

[More information](#)

Elmendorf TearTester

Elmendorf Tear testing determines the force required to continue the tearing of an initial cut in sheet materials such as paper, plastic film, textile and non-woven. The Elmendorf Tear Tester is an automated tear tester equipped with an optical encoder for measuring...

[More information](#)

Gaspace Advance Micro



Carbon dioxide (CO₂) and oxygen (O₂) headspace analyzer. Fast, accurate MAP Analyzer for testing low volumes of O₂ and CO₂ in gas flushed food and pharmaceutical products

Applications

- Gas Headspace analysis

[More information](#)

Gaspace Advantage



Carbon dioxide (CO₂) and oxygen (O₂) headspace analyzer. These MAP analyzers can test all pack sizes and very low volumes and can test rigid cans and jars. Analysis can be timed tests, Autosense, Peak/valley, Syringe direct injection or continuous testing

Applications

- Gas Headspace analysis

[More information](#)

7

Heat Sealer



The TS-12 is one of the most precise and consistent table top sealers available. The heat sealer is designed to produce heated crimp seals for flexible packaging materials. The digitally controlled heat sealer allows independent upper and lower seal jaw temperature...

[More information](#)



Heat Sealer

The model TS-4 laboratory heat seal tester is used to prepare heat seal samples for the measurement of sealing strength of flexible packaging films, film foil laminates, nonwovens and other substrates. The TS-4 Heat Seal tester produces consistent and accurate seals...



[More information](#)



Ink Rub

The Digital Ink Rub Tester is designed to measure scuffing or rubbing resistance. Several tests can be performed including dry rub-the amount of transfer ink from one dry surface to another, wet rub-the amount of transfer of ink from wetted surface to another, wet...



[More information](#)



LabMaster Coefficient of Friction

The 32-91 Lab Master® Slip and Friction Tester with Elevator System is designed to precisely determine the friction characteristics of a variety of materials. The instrument removes operator variability from the test procedure with specially designed features to...

Applications

- Coefficient of friction-Horizontal



[More information](#)

OxySense 325I



One click oxygen measurements for conducting non-invasive or invasive measurements in oil, water or air. Including packages, bottle, blister packs, package material and design evaluation, closure design and evaluation. Requires computer

Applications

- Gas Headspace analysis

[More information](#)

Precision Micrometer



The model 49-86 Digital Micrometer combines a precision digital linear encoder measuring system with an ultra-clear, easy-to-read digital display. The unit has a measurement range: 0-0.050 in. (0-1.27 mm). The micrometer is designed for materials such as thin plastic...

Applications

- Thickness measurement

[More information](#)

9

TME BT Integra-Pack™



BT Integra-Pack is a bench-top high-resolution (0.001 psig) for burst tests, creep, creep-to-failure and leak integrity testing. Applications cover a range of flexible or rigid, porous and non-porous, open or sealed packages

Applications

- Burst strength-package
- Leak detection
- Seal integrity
- Seal strength

[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



[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



[More information](#)



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



[More information](#)



United Fatigue To Failure System

United's PC-controlled FTF-48 rubber testing system performs fatigue-to-failure tests on up to 48 samples at once. The FTF-48 offers strokes from 0 to 4 inches at speeds up to 100 strokes per min and is designed to test ASTM D4482. United acquisition software...

Applications

- Cycle testing
- Failure analysis
- Tensile strength



[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



11

[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



[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.

