



**World-leading  
consumer electronics  
testing solutions**

**ip**

# Who are we

Industrial Physics' test and inspection solutions have revolutionized the electronic consumer goods market over recent decades.

If you need to test phones, speakers, cameras, or any manner of electronic devices, Industrial Physics' non-destructive test methods will deliver rapid, accurate results.

We can help you to test your devices or circuit boards components. We're here to make sure that your batteries, solders, touch screens and cables are fit for purpose and will please your customers. Or we can show you how your electronics will fare against real world challenges with scratch and hardness testers, leak inspectors and environmental chambers that recreate climatic conditions.

Our popular testing devices and quality control instruments will give you a complete understanding of the tensile strength of your products – showing you how they react to compression, strain, and stress forces. They can also give you a clear view of any potential air, water, and dust ingress problems to rectify.

We protect the integrity of some of the biggest brands on the planet, as well as hundreds of emerging brands – and everything in between. But how do we do this? By building first-class test and inspection equipment that checks the quality of your packaging, materials and coatings.

Thanks to our global network of technical and support experts, advanced technology and 100 years' quality checking experience, we're able to provide trusted and personalized solutions to businesses all over the world.

At Industrial Physics we've combined the strengths of 12+ of the world's leading inspection brands. When you choose us as your test and inspection partner, you'll get access to an unrivaled product portfolio that you won't find anywhere else.

**Our brands**

Across our portfolio of specialist brands, we've been protecting the integrity of businesses all over the world, for more than a century.

OUR CONSUMER ELECTRONICS BRANDS:

TME

UNITED TESTING SYSTEMS

TQC sheen

MESSMER BÜCHEL

## About Industrial Physics

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Innovative Technology

Testing & Inspection in...



20,000+ Customers



15 Industries  
40 Applications  
22 Materials



Over 300 People

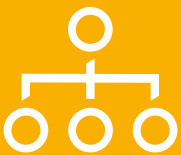


Customers in 75 Countries

12+ Brands



Global Service & Distribution Network



ip



## Industry applications

Testing and inspection equipment for manufacturers of electronic goods. At Industrial Physics we make highly accurate, cost-effective testing equipment to check the integrity of your electronic devices at key points in the preparation and production process.

The instruments we design and build make light work of:

- Appearance testing
- Corrosion testing
- Hardness testing
- Impact testing
- Leak detection
- Scratch testing
- Flow testing
- Occlusion
- Coated film thickness
- Tension, Compression & Materials Testing.

## Our products

### Leak, Flow and Occlusion testing

#### TME solution™

Our high-resolution leak or leak/flow test system has been popular for many years. That's because it's reliable, durable and gives you accurate, repeatable test results in your workplace... fast! Our instruments adhere to the IP67 standards testing requirements.

Control the test parameters using the operator friendly touchscreen and menu-driven technology. Examine statistical analysis of your results in real time and download your files easily.

The touchscreen menu is easy to use. Use it to store up to 100 linkable programs, with enough data storage for up to 5000 test results.



#### TME Worker Integra™

A bench-top, high-resolution leak or leak/flow test system that is easy to operate and maintain and gives repeatable and quantitative results.

This integrated process control tool makes light work of multi, or single channel, pressure / vacuum decay, occlusion and flow testing. With models available for pressure ranges from 5 to 150 psig; and or vacuum / flow rates from 0.1 to 50,000 sccm.

It makes programming, testing, downloading, printing, storing, accessing and reviewing test results really simple!

Check out the icon-based touchscreen display. It provides easy, clear navigation through the many data handling and review screen options. While the small internal volume contributes to high sensitivity, repeatability, and reliability of tests.





## Tension, Compression, Materials Testing & Hardness Testing

### UTS Bench Top DSTM

United Table Model Systems are built in several capacities to match your specific application – with 5 kN and 10 kN models, through to 50 kN and 100 kN.

Relied upon across multiple industries, these compact and accurate machines will test everything from plastic, rubber, textiles, metals and composites, through to adhesives, bolts, screws, fasteners and wood products.

They're ideal for tension, compression, or advanced materials testing applications. If the standard sizes we build aren't suitable, we're happy to design and build a bespoke solution.

### UTS Tru-Blue II Rockwell

The TB-II uses innovative digital controls and a high-precision load cell to give you highly accurate penetration measurement data.

<https://industrialphysics.com/product/true-blue-ii-rockwell-hardness-tester/>

### UTS Tru-Blue mVT (MicroVT)

A semi-automated microhardness testing system. It measures hardness values on the 'vickers' (HV) and 'knoop' (HK) scales from 10g up to 1000g (1kg). Our state-of-the-art electronics and high-quality optical displays make running tests quick and easy.

### Tru-Blue Sample Mounting Press

Looking for an effective sample mounting press tool to assist your microhardness testing needs? Introducing the True-Blue Sample Mounting Press – you'll be hard pressed to find a better instrument for preparing metal and alloy samples.

### Tru-Blue Grinder Polisher

This sturdy device will help you to perfect the surface of your metal and alloy samples. So you can perform accurate and repeatable Vickers & Knoop microhardness testing.



### Tru-Blue Sample Cutter

Looking for a reliable device for perfectly cut metal and alloy samples in preparation for Vickers & Knoop microhardness testing? You've just found it!

### C&W Humidity Conditioning Cabinet

C&W humidity cabinets are designed to reproduce environmental test conditions of high humidity at the constant, or cycling, temperatures demanded by modern industry.



## Appearance Corrosion and Coated Film thickness testing

### C&W Salt Spray Chamber

Effective corrosion testing of components and coated test panels requires close operational control and total accuracy. And our mobile machines offer both. They feature salt solution reservoirs with integral filter systems and an ample 114-liter capacity, giving you up to two weeks of continuous operation.



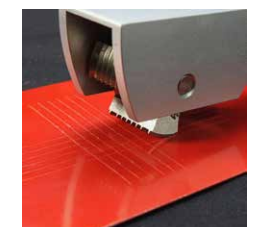
### C&W Cyclical Corrosion Cabinet

Specially formulated retardant glass reinforced polyester (GRP) cabinets with high chemical and temperature tolerance. We have wet or dry seal options that come with ergonomically designed control panels.



### TQC Sheen Cross Cut Tester

A cross hatch adhesion tester that can be used to test the coating on mobile phones and other electronic devices.



### TQC Sheen Motorised Automatic film applicator

Our automatic film applicators are widely used in the electronics industry within the development of batteries and new oleophobic coatings for touch screens.

These 'drawdown machines' provide a reliable basis to apply coating films and slurries to test charts, panels or foils in a uniform and reproducible way. Eliminating human error and offering an even film thickness across the complete surface. It's just what you need when preparing samples to test for their rheological properties, abrasion resistance, hiding power and gloss.

### TQC Sheen TABER Stiffness Tester

Features a bi-directional pendulum weighing system for accurate measurements at small load increments. With nine test ranges, so you can test everything from lightweight and flexible materials – including cellophane and thin metallic foils – through to rigid plastics.

### TQC Sheen Glossmeters – Sologloss & Polygloss

Our portable precision glossmeters are ideal for appearance testing the housings and screens of your devices. We make two models for production and laboratory environments.

The Sologloss glossmeter has a 60° measuring angle that can be used for any surface, from matte to glossy. While the Polygloss glossmeter gives you maximum control, with 20°, 60° and 85° measuring angle options available. Our glossmeters have LCD color displays for plain and simple reading of results and they hold enough memory for 2000 gloss readings.

### TQC Sheen Mechanized Scratch Tester (705)

Is your testing up to scratch? This easy to use scratch tester will tell you exactly how hard your coatings, screens and housings are.

With this scratch resistance method your samples are clamped and slowly moved against a surface-scratching stylus. Specified or variable loads can be applied to obtain different degrees of failure, from trace to destruction.



### TQC Sheen coatmaster flex

The coatmaster flex measures coating thickness immediately after application. It can be used on both wet and cured / dried powders and paints and is suitable for coating metal, paper, rubber, ceramics, glass, plastic and wood surfaces.

The portable gauge gives you a contactless, non-destructive reading and will help you to avoid rework and rejects by detecting and correcting any early deviations in the process. This cuts back your material consumption by up to 30%, saving you money and protecting the environment.



### The TQC Colorbox

An illumination test cabinet is a powerful tool for inspecting and color matching everything from inks, paints and plastics, through to cosmetics, textiles, knitwear, leather, food and paper.

The TQC Colorbox offers a range of illumination conditions for any visual inspection. Use it for highly-accurate assessment of gloss, structure, damages and metamerism. Our illuminated assessment cabinets are available in both 60 and 120 cm width models and come supplied with a removable viewing table and runtime counter.



### Messmer Buchel 49-56 Digital Micrometer

This 49-56 digital micrometer from Messmer Büchel gives precise thickness measurements. Whether you are working with paper, plastic and plastic films or tissue paper, nonwovens, textiles and other sheet-like substrates.

It's the tool for the job when your packaging sheet materials must hit international standards, including ISO, ASTM, EDANA and more.



## Support & services

We believe that supplying you with high quality testing instruments is only part of our job. Being fast, efficient, and truly reliable is critical when it comes to servicing the technology that keeps your business running.

**Wherever you are in the world, our experts are on hand to support your needs. From installation, through to calibration, repair, and preventative maintenance, we've got you covered. That's because at Industrial Physics, we're not just suppliers, we are here for you as trusted partners.**

Whatever your requirement may be, if you're looking for the highest quality of test and inspection solutions to ensure the quality of your products, the team at Industrial Physics are here to support you.



"During our time with Industrial Physics we only encountered helpful people. The response to our questions is always very quick.

Our purchase orders are quickly confirmed and dealt with. Shipping time is very precise, we always get our package right on time, a few days after the order. The packaging is spot on, our ordered items are packaged very carefully all the time, and we get everything without any damage. In the past couple of years our partnership was smooth and productive. We at Inteszt Kft. hope that in the future everything will be the same and hopefully we will be able to complete many more deals."

**Inteszt Kft**



# Get in touch

Find out more about how we can support your unique needs, get in touch today.

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