



**Testing solutions for
inks and coatings**

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Who are we

Industrial Physics is a global test and inspection partner. We offer packaging, and product and material testing solutions for manufacturers, production lines, and laboratories all over the world.

How do we do this? By providing best in class equipment that allows you to test across a wide range of specialized applications.

We've learnt a thing or two about testing inks and coatings over the last few decades. And now Industrial Physics is recognised as a brand that likes to bring new, innovative testing devices to market.

We can help you to analyse, inks, coatings and general inorganic surface treatments. Our products are used virtual all products in our daily life from the pen you are writing with to the car you are driving in. The satellite orbiting earth, to the underground pipes and everything in between. They are relied upon across all industries.

If you need to see how your products and packages will measure up and stand the test of time, our portfolio includes equipment for the entire coating industry, from raw materials, with a fineness of grind test, to quality testing of oil-rig components with a specialised corrosion test cabinet.

We manufacture a range of popular paint testing technologies that include: viscosity meters, automatic film applicators, scrub and scratch testers, gloss and color meters, thickness gauges and drying-time testers. And of course, all of our products meet the highest quality standards. Besides all this we do much more.

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

About Industrial Physics

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010101 **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





Inks & Coatings Testing Equipment

Industrial Physics industry-leading testing equipment gives you lots of options to check the integrity in the field of inks and coatings. We can improve your production process, whatever sector you work in. Our innovative, cost-effective devices give precise results in:

- Adhesion testing
- Appearance testing
- Friction testing
- Impact testing
- Corrosion testing
- Application testing
- Thickness testing
- Viscosity testing

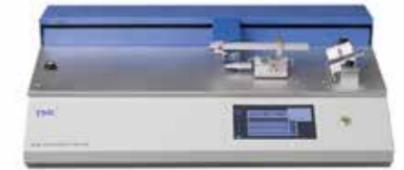
Discover the Industrial Physics Inks & Coatings product range

Friction & Ink Rub Test Units

Testing Machines Inc. is the leading global supplier of coefficient of friction and ink rub instrumentation. Here are some of the great products in our portfolio.

TMI Coefficient Friction Testers

This brilliant device uses advanced digital force and high-speed data acquisition software to give you unmatched precision and repeatability in COF and peel testing. With different sleds available to meet international standards including ASTM, ISO, DIN, NF and JIS.



TMI Ink Rub

Our popular ink rub machines measure scuffing or ink rub resistance to ASTM D 5264 standards.

The innovative technology allows you to perform multiple tests including: dry rub, wet rub, wet bleed or transfer, wet smear and functional rub/wet rub. Optional heated weights provide the 10-20 Rub Resistance Tester with a uniform test for evaluating hot abrasion resistance of printed materials like fabric and plastics.



Viscosity Testing

Our extensive range of viscosity cups and rotational viscometers help our customers to rigorously check the quality control of their products. They also help you to improve the consistency and performance of your materials.

Viscosity control helps you to secure repeatable and reproducible results, helping to maintain your hard-earned reputation.

TQC Sheen Cone & Plate Viscometer

A standard test for dynamic viscosity measurements. As non-Newtonian fluids exhibit different viscosities relative to the shear rate applied, the cone and plate viscometer tightly controls results to 10,000S⁻¹ (B.S./ ISO requirements) or to 12,000S⁻¹ (ASTM).



Sheen Digital Rotothinner

The flexibility of the Rotothinner™ gives you ultimate control over the viscosity reduction process, whilst also providing highly accurate stability analysis.

Abrasion Testing

Your customers have high expectations and our equipment enables you to meet them. Our equipment will help you to quickly optimize your processes. You can run multiple samples in conjunction to compare performance and identify potential improvements. Helping you to create solutions which exceed market expectations.

TQC Sheen Scrub Abrasion and Washability Tester

Test the resistance of your paints, varnishes to scratching, wearing and color loss. Our machines show you the effects of wet or dry abrasion by simulating everyday wear and tear conditions.



Lab/Pilot Coating

The VCML is a precision engineered coating machine. It prints, coats and laminates all types of flexible webs including papers, films, and metallic foils on a reel-to-reel basis.

It enables you to apply various coatings such as inks, paints, varnishes and adhesives using various application methods. It's particularly useful for product development, quality control and small-scale production for low volume of a specialized product.



Additional Industrial Physics Solutions

TQC Pocket Goniometer PGX

Rapidly checks surface properties for contamination, adhesion and printability of metals, polymers, glass, paper, board and more.



TMI RK Print Proofing

The Flexiproof 100 provides high-speed production of proofs using water, solvent or UV flexographic inks. Tired of spending money on costly printing press pilot runs? The Flexiproof will help. It's an essential machine for companies that use or manufacture flexographic inks.



TQC Sheen Automatic Film Applicator

Our reliable, automatic film applicator makes light work of applying coating films to test charts, panels or foils. Its wide range of applicable speeds and the large test bed allow for the generation of samples faster and to higher precision than any other machine.



TQC Sheen Spectral Colorimeter

The RM200QC provides stable color comparisons for a wide range of materials and products.



Aquasense 7101 & Oxsense 8101

Our innovative water vapor and oxygen transmission rate analyzers can be used on barrier films, PET bottles, containers, cannisters, flexible pouches and bags, components 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.





“For many years, we have been a user of laboratory equipment under the TQC Sheen brand for coating tests. Many of our customers appreciate the TQC Sheen brand equipment, because it is world-class apparatus that they know and use in their laboratories. Excellent technical contact, perfect customer service and fast order processing time are undoubtedly additional advantages that determine the choice of TQC Sheen as our permanent supplier of laboratory equipment today and in the future”.

**Artur Palasz PHD, R&D Director,
Spektrochem Paint Laboratory**

Get in touch

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

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