



**Masters of metal
package testing**

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Who are we

Industrial Physics' test and inspection solutions have revolutionized the way that companies work with metal packaging over the last 50 years.

We make unique testing equipment to ensure the integrity of your metal packaging at different points in the production and filling process.

Got a food, beverage, or aerosol product that requires a metal container? We have the gauges, testers, and software to reduce the cost of production and increase the efficiency of your canning processes.

The Industrial Physics brand is synonymous with innovation and superior quality. As an example – two decades ago we invented automatic, double seam inspection and became recognized as a world leader in the metal packaging world.

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

No matter the size or location of your business, we're here to help you improve your processes and the quality of your metal packaging, while reducing costs.

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 METAL PACKAGE TESTING BRANDS:

CMCKUHNKE



Quality By Vision



About Industrial Physics

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**Innovative
Technology**

Testing & Inspection
in...



20,000+
Customers



15 Industries
40 Applications
22 Materials



Over
300
People

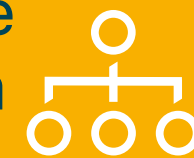


Customers
in **75**
Countries

12+
Brands



Global Service
& Distribution
Network





Testing and inspection equipment for metal packaging manufacturers

At Industrial Physics we make highly accurate, cost-effective testing equipment to check the integrity of your metal packaging at key points in the production and filling process.

The instruments we design and build make light work of:

- Abrasion testing
- Can testing and measurement
- Crush testing
- Hardness testing
- Inline inspection
- Non-destructive seam inspection
- Traditional seam inspection.

Meet our product range

Non-destructive seam inspection

Our popular XTS product line provides non-destructive testing to check the integrity of your cans' seams.

CMC-KUHNKE AUTO-XTS

A fully-automated, non-destructive, double seam inspection system for beverage fillers. Features measured include: seam thickness, countersink depth, seam height, body hook, cover hook, overlap, seam gap, % body hook butting – as well as wrinkle rating (% tightness).



CMC-KUHNKE SEAMscan XTS III

A stand-alone measurement system that provides non-destructive, double seam inspection for round cans (aluminum or steel). Features measured are: Seam Height, Body Hook, Cover Hook, Overlap, SeamGap, % Body Hook Butting, % Wrinkle Rating (% Tightness). 360° Scan for tightness and amplitude.



CMC-KUHNKE Combination Seam Gauge – Food

The Semi-Automatic Combination Seam Gauge provides automated seam thickness and countersink depth measurements, including the option of a 360° scan of seam thickness (automatic diameter detection). The CSG is the perfect partner for the SEAMscan XTS III. It provides automatic measurement on the external parameters of the seam.



Traditional seam inspection

Our pioneering double seam inspection measurement systems are custom made metal packaging machines that offer accurate, repeatable results.

CMC-KUHNKE SEAMscan SPC

The SEAMscan SPC system is an affordable, high-resolution tool for double seam inspection and measurement with SPC reporting. It measures: Double Seam Inspection – Seam Thickness, Seam Height, Countersink Depth, Seam Gap, Body Hook, Cover Hook and Overlap.

The SEAMscan Package includes:

- Video Seam Imager – VSI-6000 models for Food, Beverage, Aerosol, General Line or Oil Filters
- SEAMview™ Inspection Software
- Visionary QC™ SPC Software



Quality By Vision SEAMetal HD

Quality By Vision SEAMetal HD High definition double seam scope for beverage and beer cans, a flexible solution for double seam testing.

In-line Inspections

Eagle Vision Empty Can Inspection

This smart device quickly and accurately detects defects on the flange, bottom and the inner sidewalls of your cans.



Eagle Vision 360 Can Inspection

The 360 can inspection module is a highly accurate mix-up and integrity detection system. It integrates code reading (bar, DMC and QR), color artwork and damage inspection in a singular all-in-one system.



Eagle Vision Inline Seam Inspection

This 100% inline system detects gross defects on the double seam.



Eagle Vision 360 Code Reader

Inspects inkjet, laser, thermo-transfer and pre-printed ID codes on various packaging types. This includes infant formula and beverage cans, labels, cartons and PET bottles. It checks that your codes are present, complete, readable and correct.



Eagle Vision Metal Ends Inspection

A high-speed inline device that accurately detects a wide range of damages to sanitary can ends. This includes scratches, dents, rust, contamination, compound misapplications and more. An advanced, compact inspection instrument that's easy to install. It offers highly accurate detection capabilities with smart 3 light source technology.



Can and end measurement

Automatic, reliable, fast and accurate devices that measure features such as beads, flanges and can height.

CMC-KUHNKE Auto-EMS

Fully automated, time-saving measurements for every can end characteristic

Quality By Vision Can Profile Analyzer

Unique laser profiling technologies for rapid, non-contact, profiloscope inspection.

CMC-KUHNKE BCL 3000 Loose End Buckle and Burst Tester

Accurate pressure measurements to show where loose food ends buckle and where easy open and peel seal ends burst.

CMC-KUHNKE ABT-3100

A semi-automated burst / buckle tester for one, two and three piece aerosol cans. It checks the pressure that will burst your cans or buckle your can ends.

It's crammed with features including 60 fully customizable test types and automatic data export, so no change parts are required.

Quality By Vision MDA-100 Multidimensional Aerosol Gauge

Critical dimensions on any size aerosol can measured automatically and simultaneously. An accurate, user friendly and affordable system that automatically measures and records all important physical dimensions on the complete range of aerosol can sizes.



Abrasion testers

Ensure the integrity of your high-quality, long-life span metal packaged goods.

TQC Sheen Comprehensive Abrasion Tester

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

TQC Sheen Scrub Abrasion and Washability / Solvent Resistance Tester

Simulates real world wear and tear from cleaning and general use. So you can test how scratch and color fade resistant your paints, varnishes or coatings are to wet or dry abrasion.



Hardness Testing

We've been making hardness testers for over 50 years; they're renowned for quality, reliability, and ease-of-use. Plus a complete line of accessories from test blocks to sample preparation equipment – essential for microhardness testing applications.

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.

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.



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.



"The technical support team at Industrial Physics have made sure that when equipment needs support, it is done right away.

We have experienced very minimal downtime due to their dedication! I can't express how happy I am with their support!"

Gicole Paterson, Quality Assurance Chemist, Blues City Brewery, USA

Get in touch

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

Email: info@industrialphysics.com

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