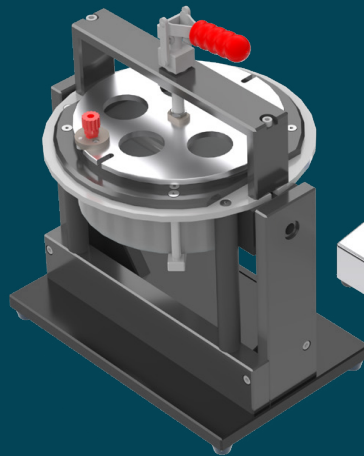
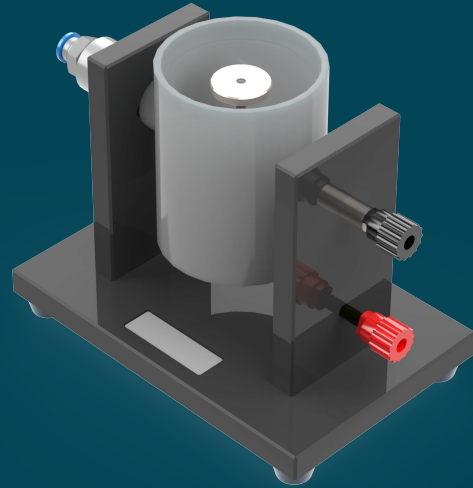
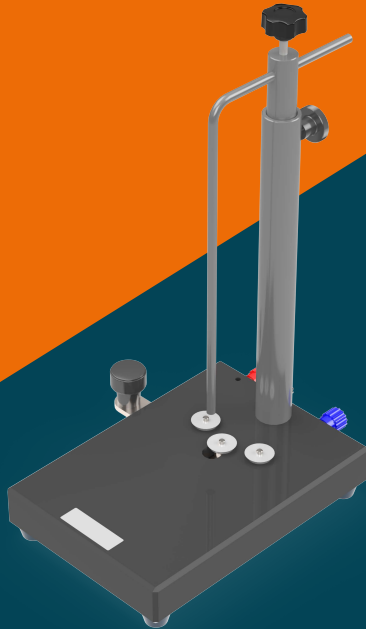




Z525

Benchtop Manual Enamel Rater

A modern, digital benchtop manual enamel rater suited for measuring the porosity levels of coated or lacquered sheets, ends and cans for aerosol, beverage and food can manufacturing.

A fast, accurate benchtop enamel rater for measuring porosity and lacquer integrity on cans, ends, and flat sheets—ideal for food, beverage, and aerosol can manufacturing.

Brought to you by Torus, our specialist metal packaging testing brand, this benchtop manual enamel rater is perfect for inspecting food, beverage, aerosol cans, as well as can ends and flat sheets.

Why measure and inspect porosity of coatings?

The Torus Z525 Benchtop Manual Enamel Rater is ideal for manufacturers in the food, beverage, and aerosol can industries who need to ensure the integrity of their metal packaging. These teams rely on enamel rating to verify the quality of lacquer coatings applied to cans, ends, and flat sheets - an essential step in preventing corrosion, leakage, and product contamination.

By accurately measuring porosity and detecting metal exposure, the Z525 helps production and quality teams maintain safety, meet industry standards, and reduce costly defects in the canning process.

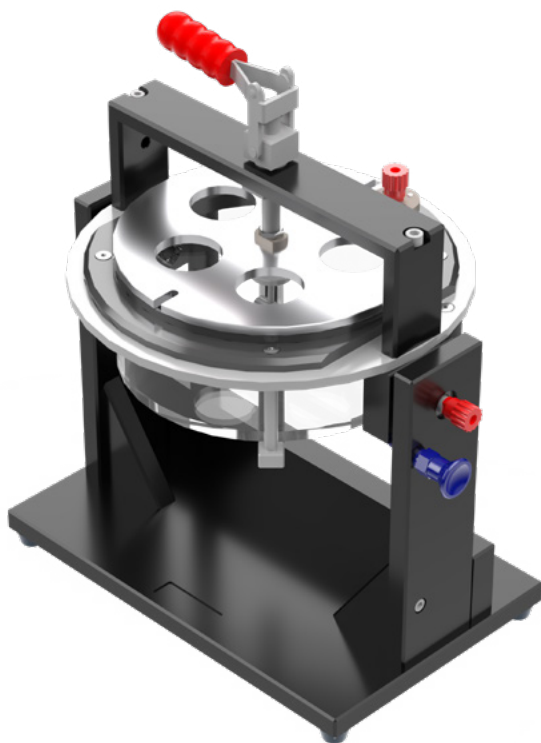
Z525 Benchtop Enamel Rating Models

We have a benchtop model to suit your enamel rating needs for variety of components. There is a model suitable for measuring the porosity and lacquer quality of:

- Beverage cans
- Aerosol cans
- Food cans
- Ends (single)*
- Flat sheets

Technical Specification:

Component Type	Beverage Cans, Food Cans, Aerosol Cans, Flat Sheets & Single Ends
Characteristics Measured	Lacquer Permeability
Measured Units	mA
Accuracy	0.05 mA
Resolution	(0 - 250 mA) 0.01 mA
Electrical Power Required	120 / 230VAC 50-60hz
CE Marked	Yes



Enamel rating measurement capabilities

The Z525 delivers fast, consistent readings - reducing operator error and helping you maintain tight quality control.

Easy to use, versatile enamel rater solution

The Torus Z525 Benchtop Manual Enamel Rater Gauge was developed to provide an easy-to-use benchtop enamel rating measurement solution – suitable for manufacturers to inspect the porosity of lacquered and coated cans, lids or sheets.

The Torus Z525 Benchtop Manual Enamel Rater allows you a multitude of programmable measurement events, including:

- Contact control
- Filling control
- Measure duration
- Current limits
- Printout handling of one intermediate reading (two measurement duration)

Effortless Enamel Rating Data Transfer

The Torus Z525 Benchtop Manual Enamel Rater Gauge effortlessly links with leading SPC applications including our advanced Torus GaugeXplorer measurement software, or our Visionary QC™9 Software and SEAMetal SPC

Features & Benefits:

- Fast and accurate measurements
- Suitable for measuring all types of cans, ends or sheets. Simply outline your requirements.
- Reverse polarity mode quickly highlights metal exposure points for faster troubleshooting.
- Easy touchscreen operation reduces training time.
- Current measurement graph option
- Compatible with leading SPC systems for seamless data capture
- Available with UKAS-calibrated resistor sets for certified repeatability.
- CE certified

Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

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