Let's discuss your coating weight QC

Global Gauge Corporation has measured coatings for the primary metals industry for decades, with critical XRF sensors built in-house in the USA. The same technology proven on coating lines worldwide now serves your QC lab.

25+ Years

300+ Systems

24/7 Support

GlobalGauge CORPORATION

7975 S Suburban Rd
Dayton, OH 45458
937-254-3500
d.kober@globalgauge.com
www.globalgauge.com

WHY MEASURE IN THE LAB

Control on the line. Proof in the lab.

Certify with confidence

Document coating weight on every coil to meet customer and standard requirements.

Validate the line gauge

Give your inline gauge an independent reference to confirm and standardize readings.

Reclaim wasted zinc

Tighten control so you stop over-coating to stay in spec.

Answer in seconds

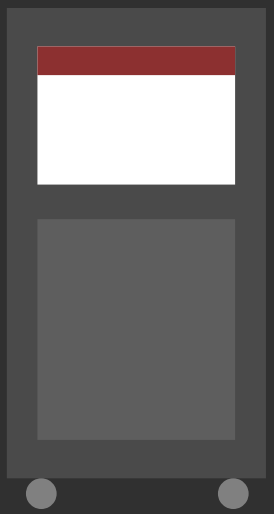
Non-contact, non-destructive XRF, with no chemical stripping or weighing.

Non-contact • Non-destructive • Zinc-specific • Made in USA

GlobalGauge CORPORATION

Accura Lab Coating Weight Gauge

PC-based laboratory XRF system for galvanized coating weight measurement



Made in America. Respected Worldwide.

THE SYSTEM

A complete lab measurement station

A self-contained, floor-standing station that measures the coating weight of zinc-coated steel coupons cut from your galvanizing line, in seconds, without contacting or destroying the sample.

- Energy-dispersive X-ray fluorescence (XRF)
- Industrial fanless PC running Windows LTSC
- Touchscreen HMI with guided workflow
- Built for Zn and Zn-alloy coatings

How XRF works

1 Excite

An X-ray beam excites zinc atoms in the coating.

2 Emit

Zinc emits fluorescent X-rays at its own energy.

3 Quantify

Signal intensity converts directly to coating weight (g/m²).

CAPABILITIES

What the system does

- Multi-point sampling and averaging per coupon
- Automatic standardization keeps calibration honest
- Top and bottom coating weight on one sample
- Guided software with live readout and reporting
- Calibration curves for each coating type
- Export to CSV or your QC database for SPC

Zinc-coating applications

- Hot-Dip Galvanized (HDG)
- Electrogalvanized (EG)
- Galvanneal (GA)
- Galvalume (55% Al-Zn)
- Galfan (Zn-5% Al)
- ZAM (Zn-Al-Mg)

AT A GLANCE

Specifications

Method	Energy-dispersive XRF
Coatings	Zn-based (HDG, EG, GA, Galvalume, Galfan, ZAM)
Range	[TBD] g/m²
Repeatability	[TBD]
Sample size	[TBD]
Measure time	[TBD] s
X-ray source	Sealed tube, [TBD] kV
Control	Industrial PC, Windows LTSC
Electrical	[TBD] VAC, 1-ph

[TBD] = final specification pending.

Ready to verify every coil?

Contact Global Gauge Corporation
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