GLOBAL GAUGE CORPORATION

The *Paid Mill Study* Program

A fixed-fee, on-site engineering assessment of your existing X-ray thickness gauge systems. Covering measurement performance, electronics, source health, mechanical condition, AGC integration, and operator pain points.

100%

STUDY FEE CREDITED AGAINST PURCHASE

THE PROBLEM

Aging gauges cost you more than you think.

Aging x-ray thickness gauges drive scrap, off-gauge product, missed AGC response, and unplanned downtime. Most mills cannot justify a full replacement without hard data, and most OEMs will not walk the line to give it to them.

Rising Scrap Rates

Degraded detector linearity and calibration drift produce off-spec material that eats into your yield.

Unplanned Downtime

Obsolete electronics and aging sources fail without warning, stopping production when you can least afford it.

No Data, No Budget

Capital requests stall without a clear, prioritized modernization roadmap tied to budgetary numbers.

Parts Obsolescence Risk

Legacy sources, detectors, and control boards are reaching end-of-life with no clear replacement path.

THE GGC MILL STUDY

One visit. Complete clarity.

Our engineers walk your line, inspect every gauge in scope, and deliver a prioritized modernization roadmap with budgetary numbers. No guesswork, no obligation beyond the study fee.

01

On-Site Audit

Assessment of every x-ray gauge in scope: entry, exit, interstand, and profile/scanning positions.

02

Measurement Review

Source condition, detector linearity, calibration drift, and alloy compensation evaluation.

03

Electrical & Mechanical

Cabinet, cabling, frame, C-frame drives, cooling, and shielding inspection.

04

Automation & Controls

AGC loop response, comm protocols (Profibus, Profinet, Ethernet/IP), and Level 2 hand-off assessment.

05

Voice of the Floor

Structured interviews with operators, maintenance, metallurgy, and process engineering.

06

Gap Analysis

Benchmarking against current GGC platform capabilities and modern industry expectations.

WHAT YOU RECEIVE

Actionable deliverables, not a sales pitch.

Written Assessment Report

Comprehensive report with photos, measurements, and findings organized by gauge position.

Prioritized Shopping List

Upgrade vs. modernize vs. replace, with budgetary pricing and lead times for each gauge.

Engineering Drawings

Mechanical and electrical drawings sufficient for internal capital approval submissions.

ROI Summary

Scrap reduction, yield improvement, downtime avoidance, and source/parts obsolescence risk quantified.

Executive Read-Out

Live presentation call with plant leadership and corporate engineering to walk through findings and next steps.

OUTCOME OPTIONS

Three Paths Forward

Every mill study concludes with a clear recommendation tailored to your budget, timeline, and production goals.

PATH 01

Upgrade

Detector, electronics, and software refresh on existing frame. Lowest cost, fastest install.

FASTEST ROI

PATH 02

Modernize

New measurement head and controls retrofit on existing C-frame. Modern AGC integration without a frame swap.

MOST POPULAR

PATH 03

Replace

Full new GGC x-ray gauge: frame, source, electronics, automation. Maximum performance and 20+ year life cycle.

MAXIMUM VALUE

WHY GGC

Built for the mill floor, not the boardroom.

American Made

US-based engineering, manufacturing, and service out of Centerville, Ohio. No offshore hand-offs.

Proven Track Record

Decades of x-ray gauge installations across steel, aluminum, copper, and brass rolling mills worldwide.

Vendor-Agnostic Retrofits

We retrofit competitor frames. You are not locked into a rip-and-replace scenario.

Skin in the Game

100% of the study fee is credited against your purchase order. Zero risk if you buy.

100% of the study fee is credited back when you purchase the recommended scope.

A paid mill study is not a cost. It is the first investment in your modernization. No risk, no obligation beyond the study itself.