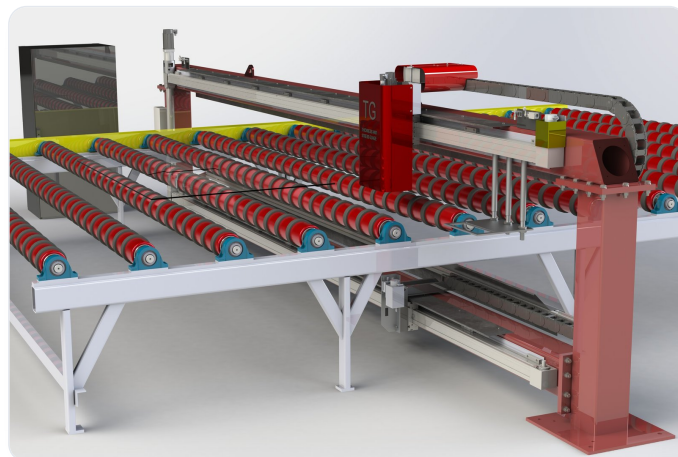


TG

Cold end thickness gauge & stress.

A high-end, solid mechanical design for consistent and reliable thickness and stress measurement at the cold end.



01 · OVERVIEW

Hardware engineered for repeatability. Software focused on decisions.

The TG cold-end thickness gauge measures cross-ribbon profiles up to 500 mm/s. The optional stress gauge captures total and thermal (temporary) stress in real time, with calculation of permanent stress — all with a certified reference standard. The mechanical platform is built to run 24/7 in cold-end conditions, with a software layer that produces the data your operators and process engineers need to make the correct call — on tonnage, on yield, on carbon intensity.



Cross-ribbon profiles

Uni- or bi-directional scans, data every 2–6 mm.



Optional stress gauge

Real-time total, thermal and permanent stress — including coatings and tints.



Yield & carbon data

Validate tonnage against carbon thresholds; flag ribbon shifts early.

02 · DETAIL

What it measures. What it returns.

THICKNESS MEASUREMENTS

- Speed up to 500 mm/s (1180 ipm)
- Typical scans at 200 mm/s (472 ipm)
- Data points every 2–6 mm
- Uni- or bi-directional scans
- Thickness, temperature & stress profiles
- Min, max and average values
- Gross width & region of interest
- Edge positions & tonnage

STRESS GAUGE (OPTIONAL)

- Real-time total & thermal (temporary) stress
- Calculation of permanent stress
- Works with coatings and tints
- Certified reference standard included

BENEFITS

- 24/7 operation, repeatable measurements
- Optimise thickness, maximise yield
- Detect ribbon shifts early
- Validate tonnage against carbon thresholds

NEXT STEP

Arrange a consultation.

OFFICE

Inspection Systems
Unit 10, Rugby Park, Bletchley Road
Heaton Mersey, Stockport SK4 3EJ

DIRECT

T +44 (0)161 947 9113
contact@inspection-systems.co.uk
inspection-systems.co.uk