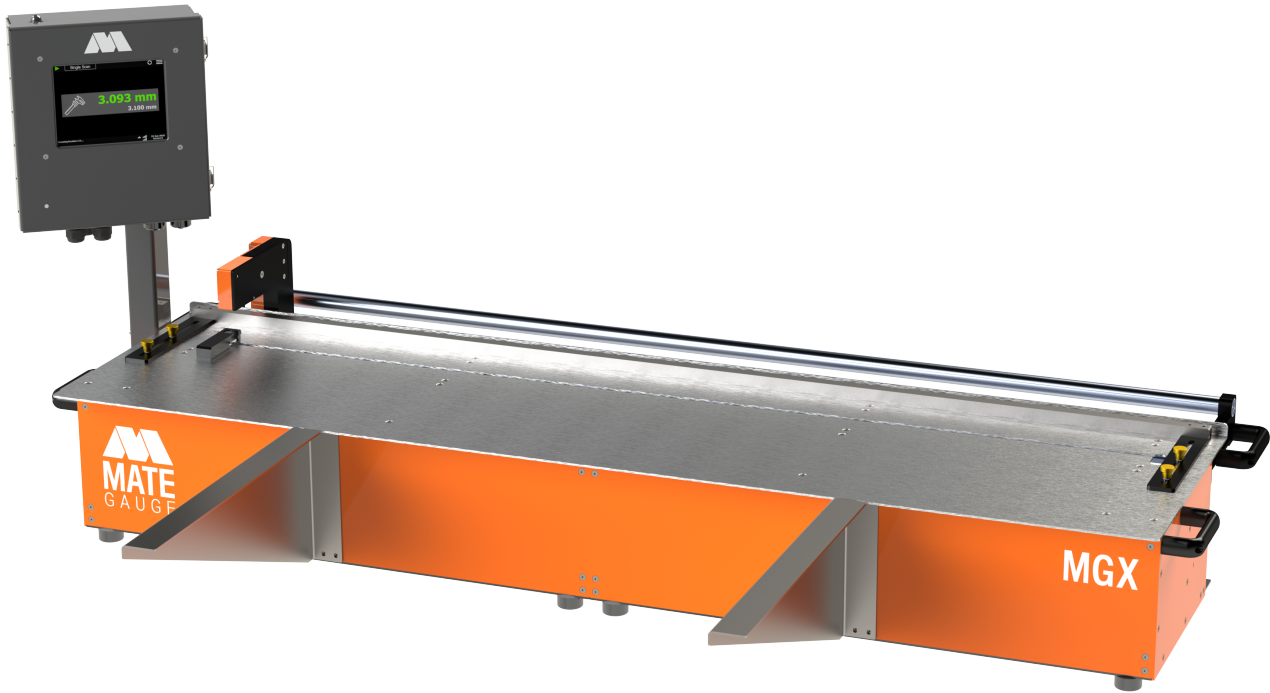


MGX56



Non-contact measurement
Full strip profile displayed
Touchscreen display
Easily installed and maintained
Networkable

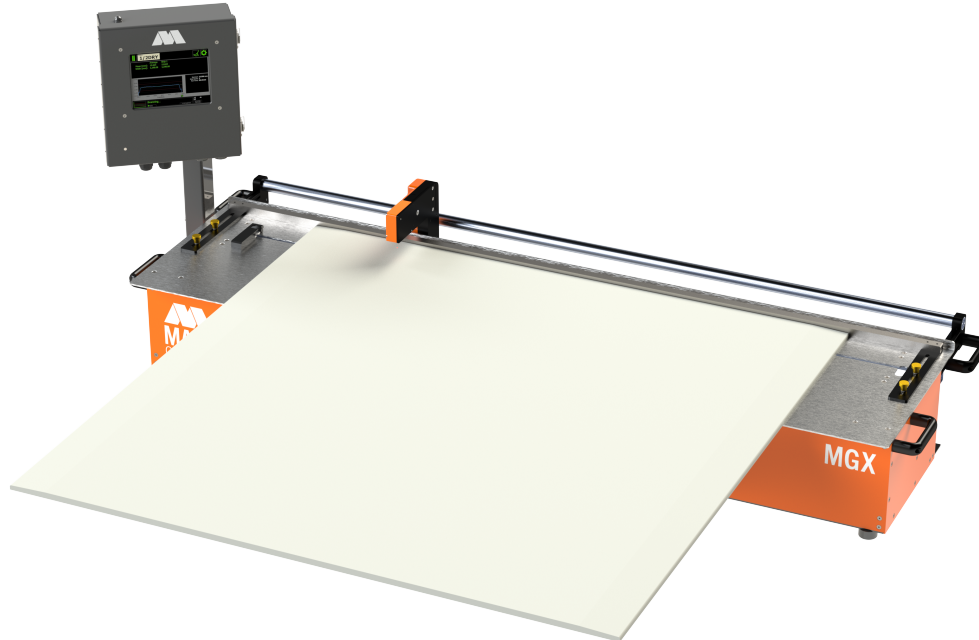
Remote support
Data logging
Portable



Contact us for more info or to order an MGX56

info@mategauge.com

Go flat out with the MGX56



- **Laser measurement for unmatched precision:** Laser sensors measure the thickness and width of gypsum board samples. Removes the need to rely on inaccurate hand micrometer measurements and slowing down operators with manual (and unreliable) product quality checks.
- **Complete edge to edge measurement:** Scanning laser heads measure across the entire board profile.
- **PLC Connection:** Engineered to blend seamlessly into your production line, the MGX56” can connect directly to your PLC. This makes for centralized control and easy changes in product specifications and gauge settings. With built-in Ethernet ports, it’s as simple as plug in and go.
- **Monitor thickness measurement in real-time:** Our on-screen data visualizations are purpose-built for operator ease. Monitor real-time thickness/width KPIs and run charts of multiple locations across your product. Automatically connect to your existing systems to set targets and key thresholds. Be immediately notified by on-screen alarms when issues arise.
- **Keep an eye on your lines without leaving your desk:** You’ll have full access to real-time measurement data, as well as the ability to track trends over run-time and perform data file downloads. All of this with ironclad security - your data is only accessible via your facilities local network.
- **Ease of use and stress-free maintenance:** The belt-driven, single actuator includes built-in centering for in-field positioning. Calibration, using the NIST-traceable master calibration block, only needs to be done once every 3 months. The laser sensors’ modular design and quick electrical disconnects means, when needed, they are quickly and easily replaced. The belt-drive actuator design is familiar making it easy to maintain.
- **Monitor and reduce dirt accumulation:** When the sensors get dirty, our alert system makes sure you’re immediately notified. Dirty sensors are easily retracted and quickly cleaned with no disruption to your production line. The actuator’s overhead position, located away from materials, reduces the risk of particulates entering the drive system and helps eliminate failure points.

MGX56 Technical Specifications

THICKNESS MEASUREMENTS DETAILS

Resolution	0.5 μm	[0.00002 in]
Accuracy (typical)	4 μm	[0.00016 in]
Stroke	1422 mm	[56 in]
Scanning Speed	150 mm/sec	[6 in/sec]
Thickness Range	6.35 to 25.4 mm	[.250 - 1.00 in]
Measurement Frequency	1 to 5 kHz	

SUPPLY REQUIREMENTS

Power 100-240 VAC, 50-60 Hz: 1A

WEIGHT

Complete Assembly 80 kg [176 lbs]

PHYSICAL DIMENSIONS

Main Housing 1897x556x367 mm [74.7x21.9x14.5 in]

ENVIRONMENTAL REQUIREMENTS

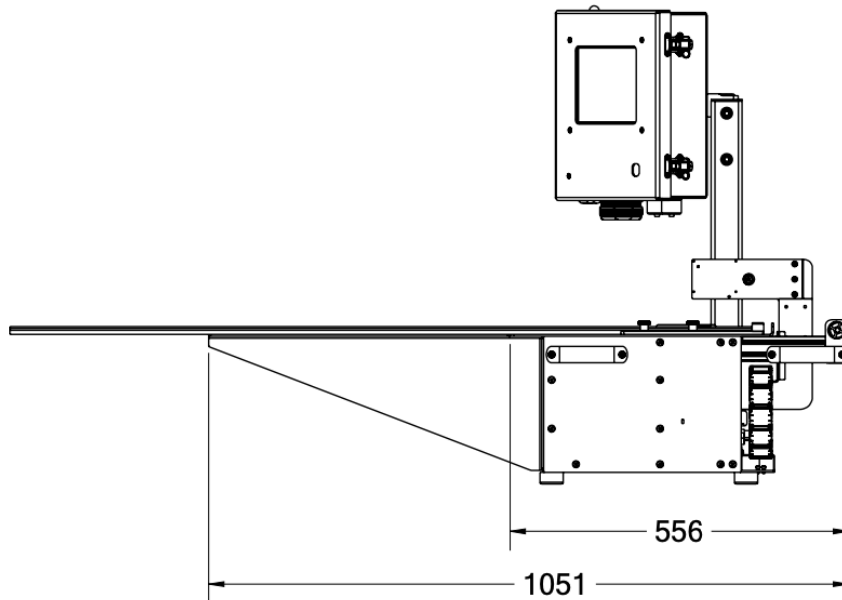
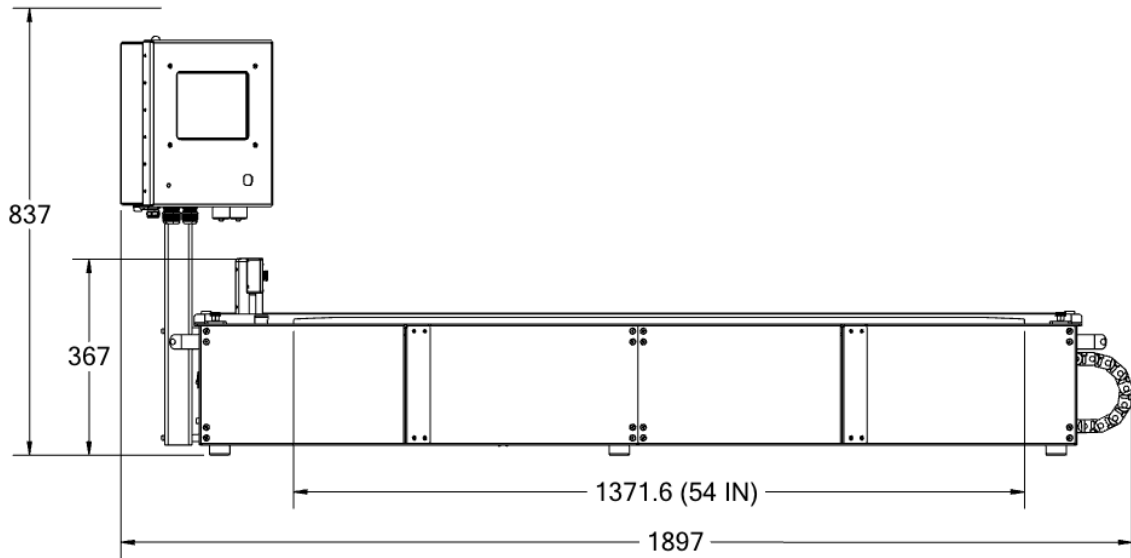
Operating Temperature 15 °C to 45 °C [59 °F to 113 °F]

Humidity < 90%

PART NUMBER

Item	Part Number	Description
1	10042834	MGX, 56 IN Stroke

MGX56 Schematics



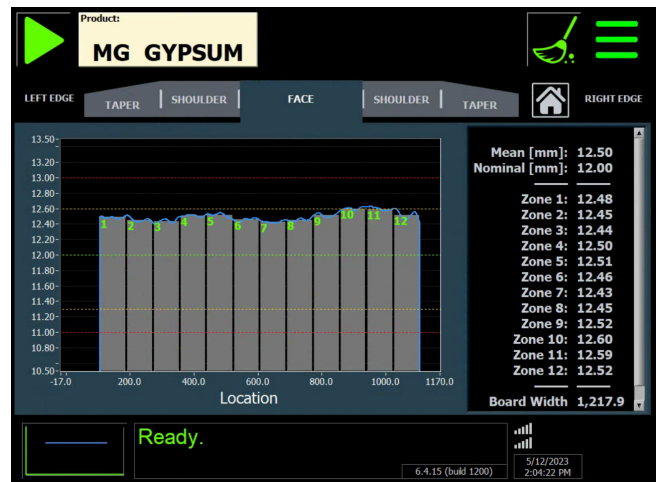
The Mate Gauge Gypsum App provides instant feedback and deviation information on KPI's crucial to gypsum board manufacturing.

In a single, 30 second scan, the MGX56” captures, records, and displays the following KPI's:

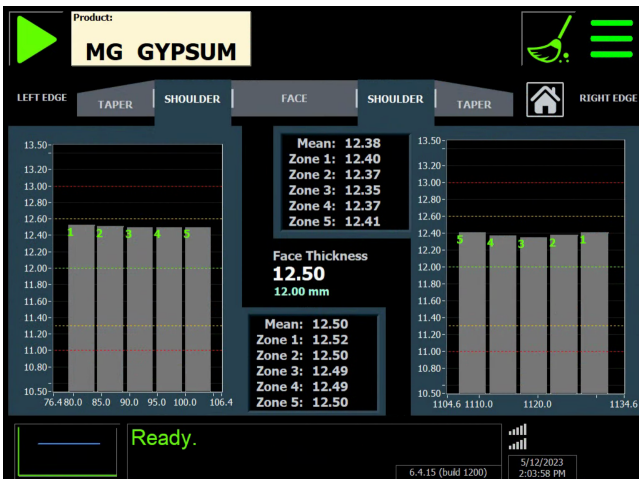
- Edge Thickness (L/R)
- Shoulder Thickness (L/R)
- Face Thickness
- Taper Depth (L/R)
- Taper Width (L/R)
- Overall Width



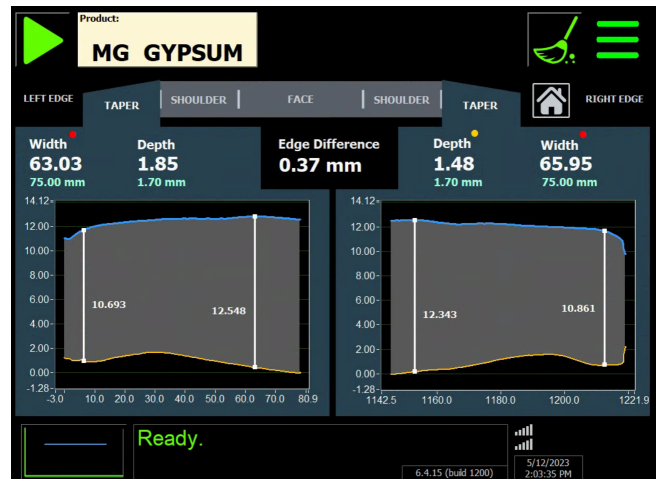
Main Summary Display



Face View



Shoulder View



Taper View

Not sure which Mate Gauge is right for you? Check out our other



Compact and lightweight

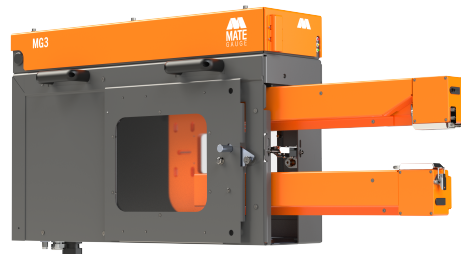
The MG1 provides thickness measurement solutions that fit your floorspace and budget.

[Learn more](#)

Our Flagship Gauge

Tolerant of dirt and temperature swings, the MG3 provides rich data for your inline needs

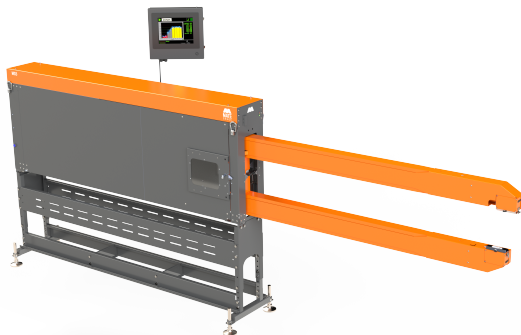
[Learn more](#)



No area is out of reach

The MG5 is a large scale thickness scanner designed for wide continuous-strip materials.

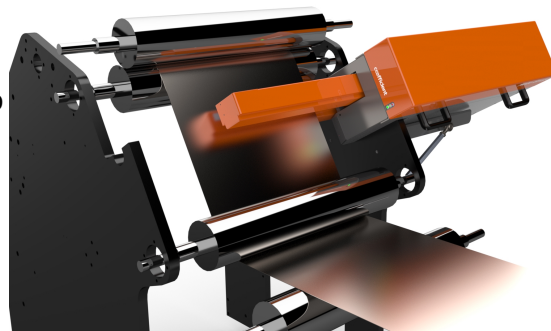
[Learn more](#)



For cast lead strips

The MG-CLS improves lead strip thickness control with automatic measurement.

[Learn more](#)



Your complete thickness measurement system