

# Inline Insights

Hot takes on lead-acid battery production quality.

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Mate Gauge

# What is an insight?


- Intuitive
- Accurate
- Contextual
- New
- Purposeful

# Insights based on experience.

- Focus on thickness measurement
- History in lead-acid battery production
- Multiple clients and OEM partnerships
- 25+ countries
- 16 years of non-stop product evolution

# Four insights

1. The new world of work
2. Let's get inline
3. DIY doesn't always deliver
4. You can move the goal posts



**The new world of work.**  
Labour market challenges are impacting production quality processes and driving key decisions.

# Clients have increased their:

- Interest in automation and digital manufacturing (and want to know where to automate)
- Focus on core business
- Emphasis on systems interconnectivity + data capture
- Interest in onshoring



# How Mate Gauge is responding:

## Reducing operator involvement

- Complete, plug-and-play thickness measurement solutions
- Self-calibration
- Better data access via faster and easier PLC setup and integration



## **Let's get Inline**

Inline thickness  
measurement systems are  
outpacing stand-alone.



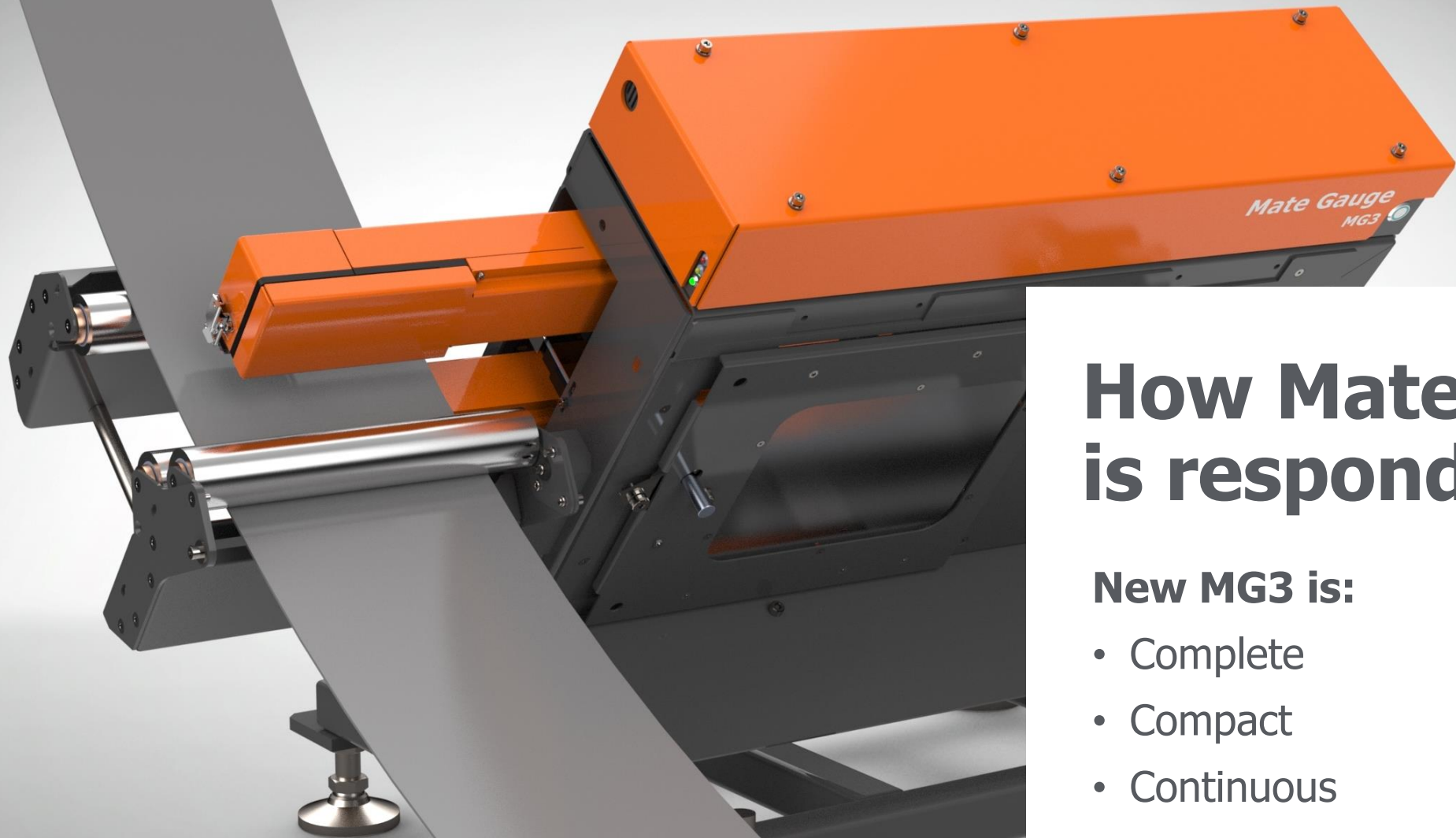
# Reasons for the shift:

## Offline/Benchttop

- Labour intensive
- Sample measurements only at timed intervals

## Inline

- Integration
- Ongoing measurement
- More data



## How Mate Gauge is responding:

### **New MG3 is:**

- Complete
- Compact
- Continuous



## **DIY doesn't always deliver.**

In-house developed thickness measurement solutions don't always bring long-term ROI.

# Out-of-the-box sensors are just one component; you also need to account for:

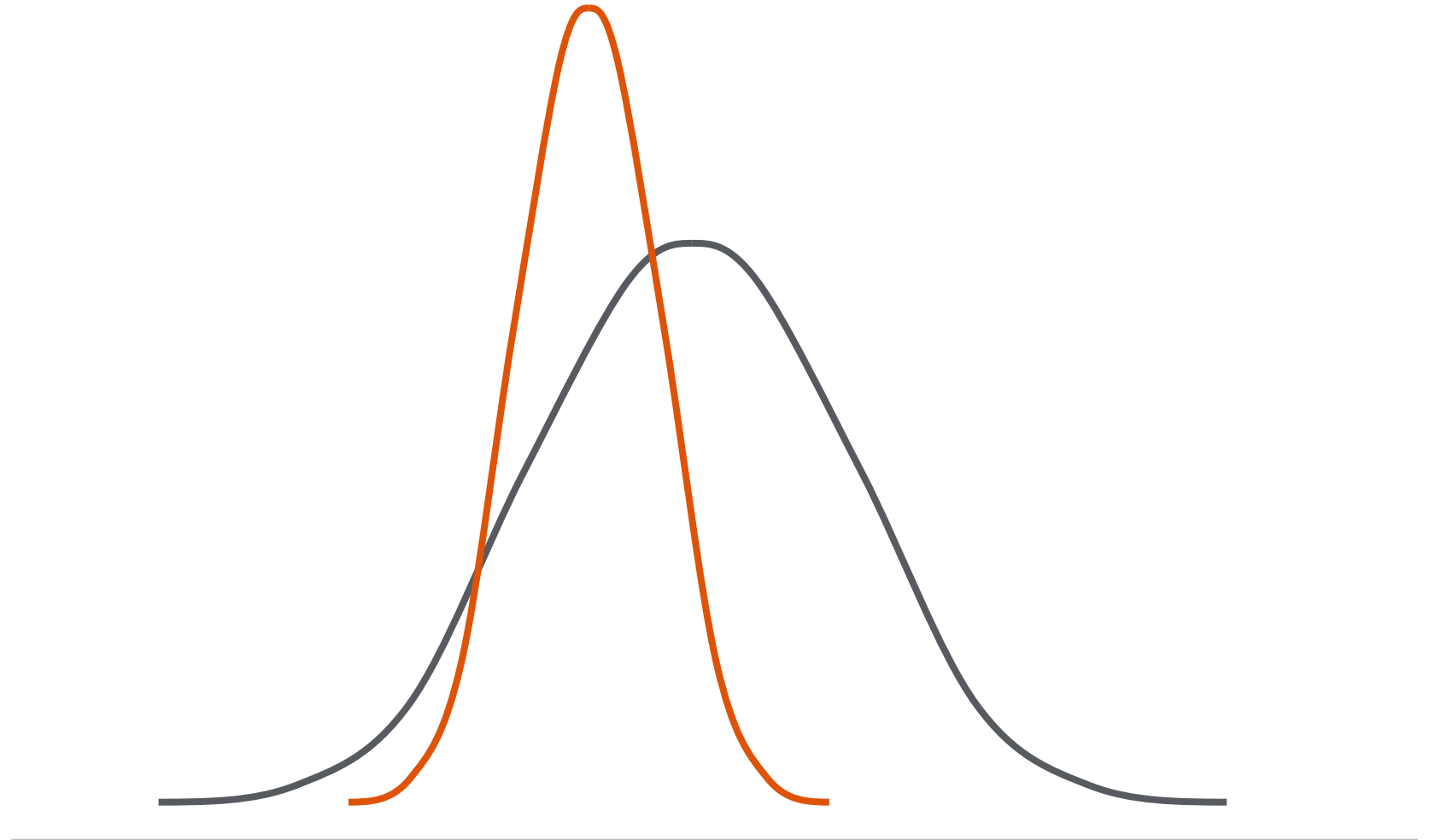
- Integrating with legacy/future systems
- Programming for different material types
- Environmental factors (vibrations, temperature, air quality, humidity)
- Ongoing calibration and maintenance

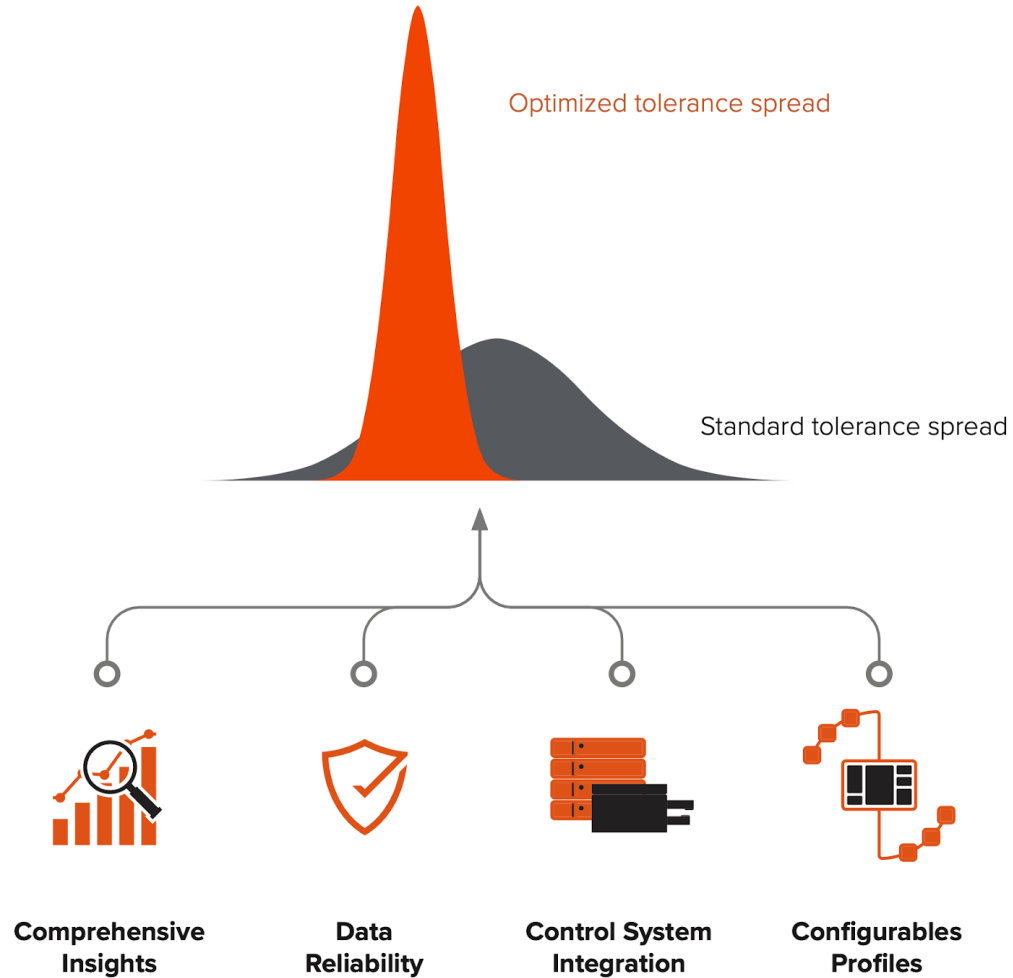


**You can move the goal posts.** Continuous control over production can reduce variances.

# Tighten tolerance spread

Avoid material overages upstream and downstream





# How Mate Gauge is responding:

We're on an ongoing quest to increase production efficiency

- Reduce downtime
- Improve line consistency
- Show production changes in real time
- Access live and historical reporting

*Thank you for listening.*

Drop by booth #107 to learn more.

## **Mate Gauge**

All-in-one thickness  
measurement solutions