

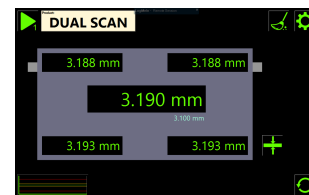
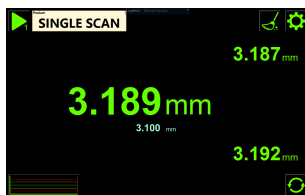
# coefficient

## MATE GAUGE BENCHTOP

NEAR LINE GAUGE FOR PASTING LINES

INSTALLS NEXT TO ANY LINE

- Thickness Cross Section View
  - Supports Plate Types (Recipes)
  - Thickness Alarms
  - Auto-Logging
  - Run Charts
  - Detect Wedged Plates
- 
- **Control plate thickness** with unmatched precision
  - **Eliminate operator error** using automatic measurement
  - **Drive continuous improvements** using process data



CUT YOUR THICKNESS VARIATION

- **Slash thickness variations** across plate profiles using traversal scanning technology
- **Prevent uneven plates** and leaning stacks
- **Achieve superior quality**, to make better batteries.

RUGGEDNESS AND ACCURACY REFINED

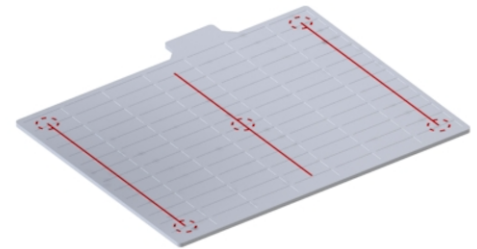
- **Self-calibrating** operation for consistently accurate readings
- **Built-in cooling** and temperature stabilization to ensure low maintenance requirements
- **Diagnostic checks** for errors or abnormalities

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## MATE GAUGE BENCHTOP

### KEY FEATURES

- ✓ NON-CONTACT MEASUREMENT
- ✓ FULL STRIP PROFILE DISPLAYED
- ✓ ACTIVE THERMAL CONTROL
- ✓ REMOTE SUPPORT
- ✓ TOUCHSCREEN DISPLAY
- ✓ DATA LOGGING
- ✓ EASILY INSTALLED AND MAINTAINED
- ✓ NETWORKABLE



### TECHNICAL SPECIFICATIONS

#### THICKNESS MEASUREMENTS

Resolution	0.1 $\mu\text{m}$	[0.00004 in]
Accuracy (typical)	2 $\mu\text{m}$	[0.0001 in]
Stroke	198 mm	[7.8 in]
Scanning Speed	150 mm/sec	[6 in/sec]
Thickness Range	0 to 8 mm	[0 to 0.300 in]
Measurement Freq.	1 to 5 kHz	

#### WEIGHT

Complete Assembly	36 kg	[80 lbs]
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#### SUPPLY REQUIREMENTS

4 A @ 110V/60 Hz	2 A @ 240 V/50 Hz
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#### PHYSICAL DIMENSIONS

610 x 610 x 305 mm	[24 x 24 x 12 in]
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#### ENVIRONMENTAL

Operating Temperature	10 °C to 50 °C [50 °F to 120 °F]
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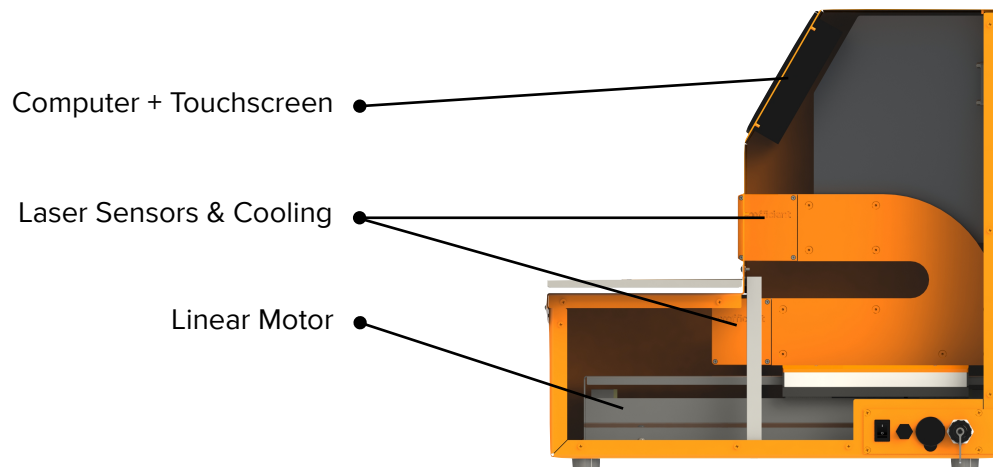
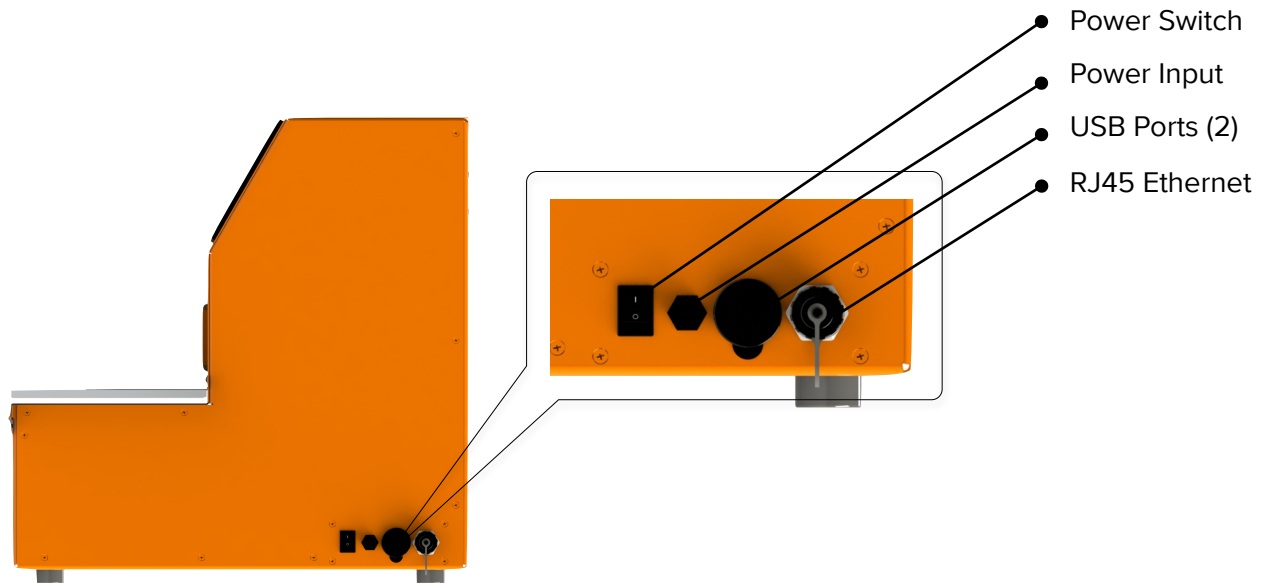
Humidity	< 90%
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## MATE GAUGE BENCHTOP

### WHAT'S INSIDE THE BOX?

The Near-line system is ready to run out of the box. It includes two laser sensors, a linear motor actuator, and the computing platform to take and record measurements.

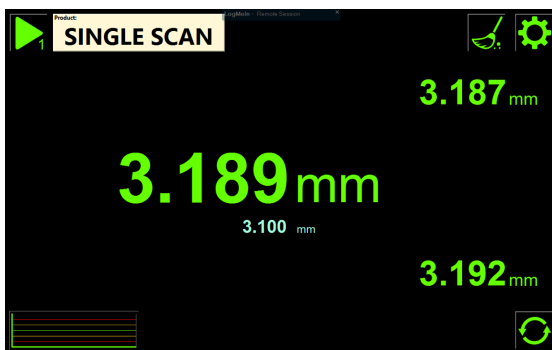


ORDER YOURS TODAY!

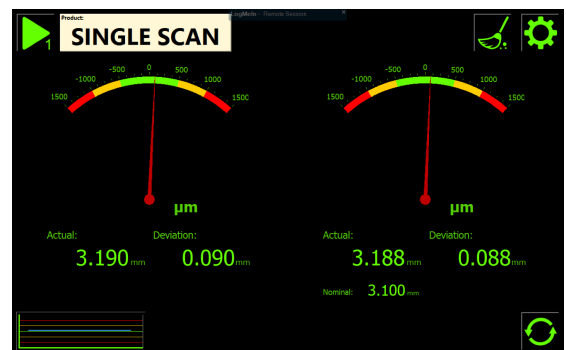
## Controls and Displays Purpose-Built for the Battery Industry

On-screen data visualizations ensure that the right data reaches line operators. The gauge display automatically connects to your existing systems to set thickness targets and key thresholds. Alarms appear on-screen with varying levels of severity (yellow tag, red tag, and flashing).

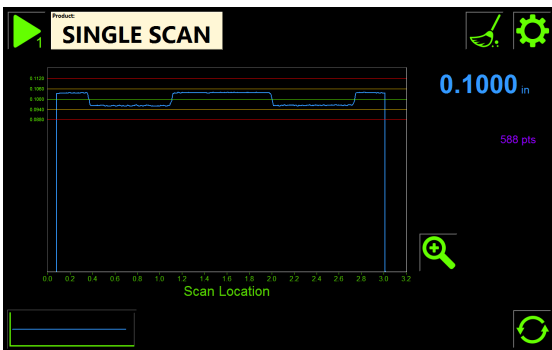
The visualizations show real-time thicknesses and run charts of multiple locations across the plates. Additional screens display the cross-sectional thickness profile.



Large Numerical Display.



Needle Gauge Location Showing Left-Right



True thickness cross-section.

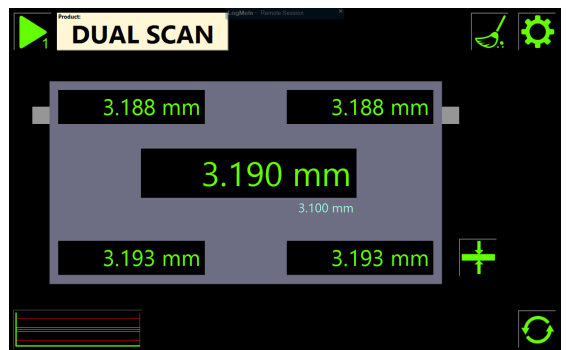


Plate View - Showing 4 corners and average measurement.