

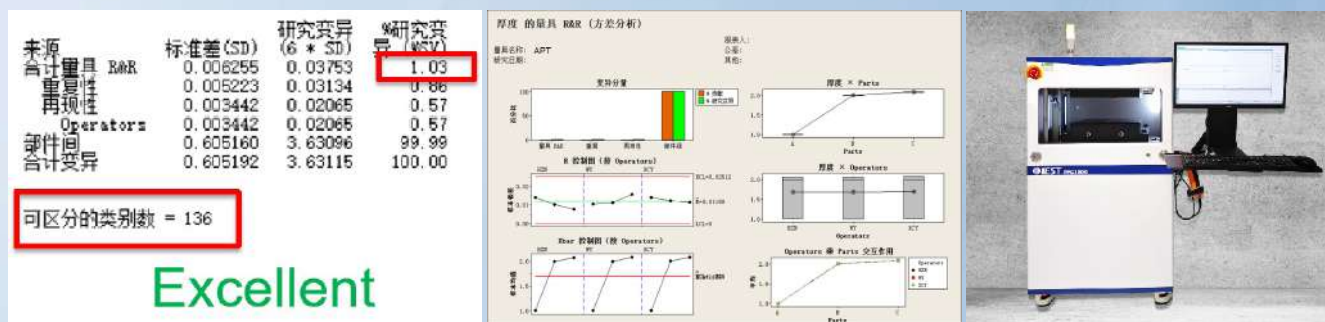
Cell Thickness Gauge - Ex-situ PPG

Ex-situ PPG

PPG thickness gauge is a device with high integration, high openness, perfect system function and rapid realization of battery thickness measurement:

1. Pressurization: the pressure can be freely selected within the range of measurement range;
2. Thickness calibration block: to check the thickness deviation of the measuring system;
3. Single-point testing, software control, which can communicate with MES.

1 GRR Test Data



2 Model and Parameters

Model	Size (mm)	Weight(kg)	Compatible cell size(mm)	Resolution /accuracy	Pressure measurement range	Pressure control accuracy
PPG1050	450*530*1200	140	100*100*100	±10μm/1μm	10~1000kg	±0.3%F.S
PPG1100	650*600*1100	400	400*300*100	±20μm/1μm	10~1000kg	±0.3%F.S
PPG1100L	1000*1200*650	800	600*400*100	±20μm/1μm	10~1000kg	±0.3%F.S

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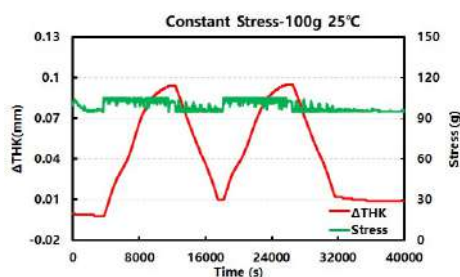
Cell Thickness Gauge -In-situ PPG

In-situ PPG

The in-situ PPG thickness tester is a simple device that can test the real-time expansion thickness of the electric core under constant pressure during the long cycle of high and low temperature.

1. Pressurization: motor control, the pressure can be freely selected within the range of measurement range;
2. Thickness calibration block: to check the thickness deviation of the measuring system;
3. Real-time testing, software control, and communication with MES.

1 Constant Pressure Cycle Test



2Ah soft pack battery LCO/graphite

2 Equipment Parameters

Standard channel number	Pressurization method	Standard channel number	Pressure control accuracy	Thickness detection range	Thickness detection resolution/accuracy	Temperature range	Maximum cell size
1 channel	Motor pressurization	100~2000g	$\pm 10g$	0~50mm	$0.1\mu m/\pm 10\mu m$	-20~60°C	200*200*50mm

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