

# Application Note

— Example Applications —

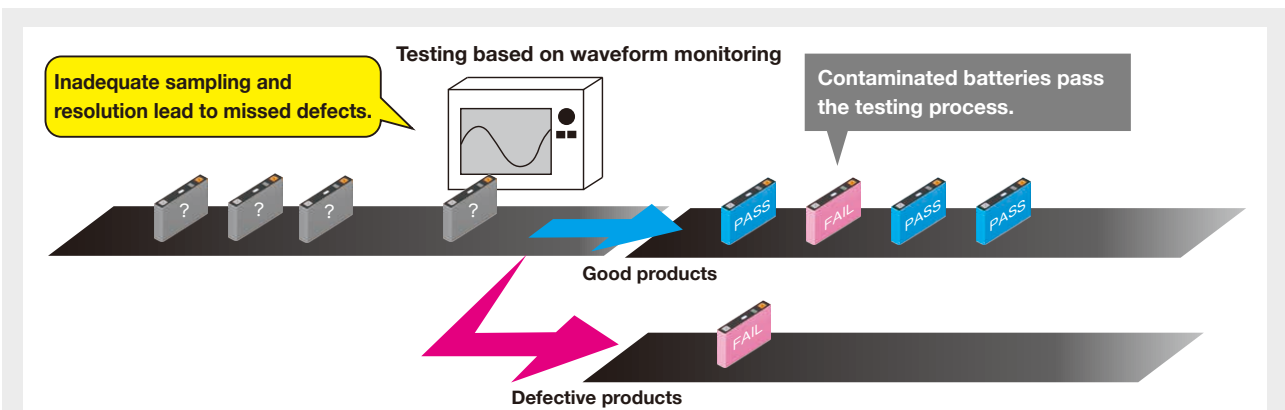
## Detecting Contamination

Solving the problems of undetected defects caused by inadequate sampling or resolution

Battery safety and quality control are very important as their degradation can lead to serious accidents, including fire. It is vital to improve test precision in order to prevent defective batteries from being released to the market.

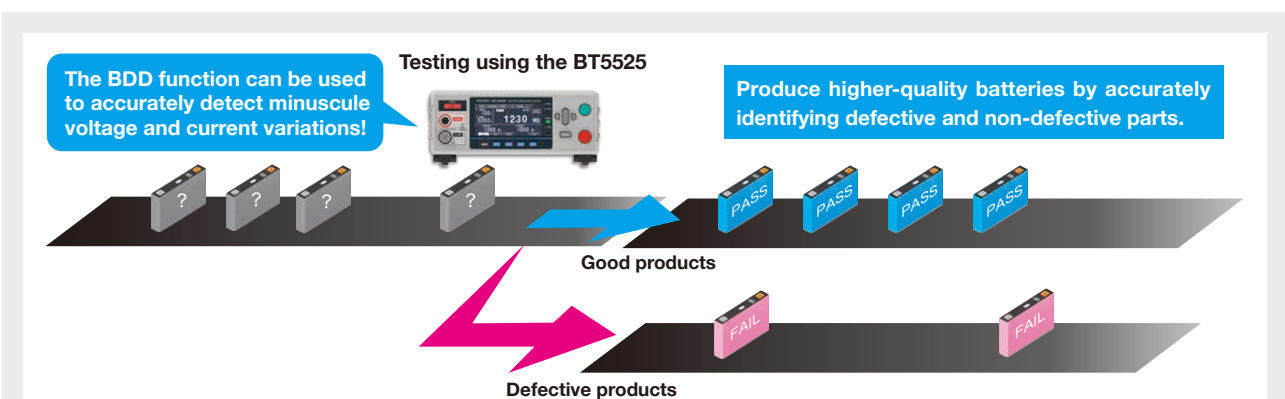


### Issue Unable to detect contamination in batteries by testing.



In order to detect contamination, it's common to check voltage and current waveforms applied by a waveform measuring instrument. However, contamination may not be detected depending on the instrument's waveform detection capability, contaminated batteries may be released to the market.

### Solution With the BT5525's breakdown detect (BDD) function to accurately detect defective batteries.



The BT5525's BDD function can accurately detect minuscule voltage and current variations. By accurately identifying defective and non-defective batteries, you can ensure waveform measurement doesn't yield incomplete data. Accurate testing makes it possible to produce higher-quality batteries.

Instrument used

**BATTERY INSULATION TESTER BT5525**

Hioki product

# HIOKI

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application\_BT5525\_BDDfunction\_E1\_220214

All information correct as of Feb. 14, 2022. All specifications are subject to change without notice.