

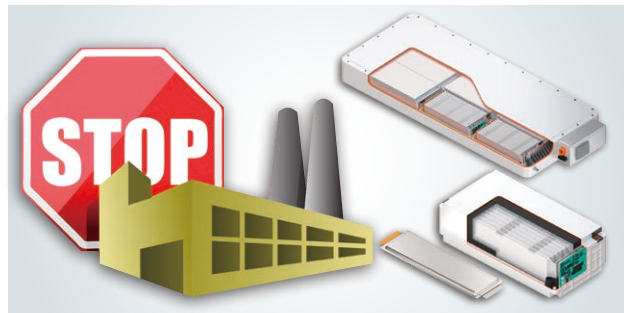
Application Note

Example Applications

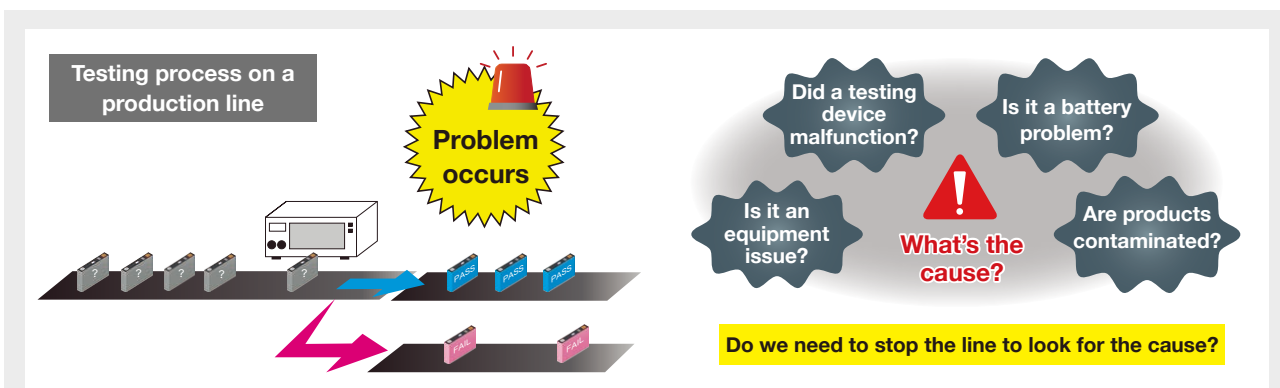
Quickly Pinpointing the Causes of Production Line Problems

Using monitor functions to assess the status of equipment

Commercialization of lithium-ion batteries in industrial applications has accelerated in recent years. As a result, there's additional demand at production facilities for productivity improvements. When problems occur on production lines, workers have to stop the line to investigate the cause, impacting production. By identifying the causes of such problems as quickly as practicable, it's possible to minimize the impact on line availability and production volume.

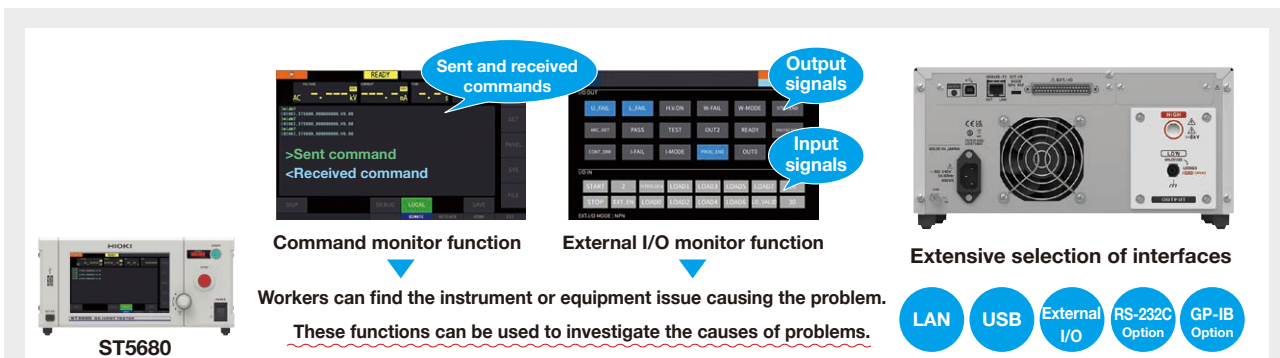


Issue When problems occur on production lines, it takes time to investigate the cause.



When a problem occurs on a line at a production plant, associated equipment stops working, causing production defects and halting the line. As a result, availability plummets. When an equipment problem occurs, it's important to quickly pinpoint the cause, take corrective action as necessary, and restore normal operation as soon as possible.

Solution Monitor functions help troubleshooting.



The ST5680 provides assistive functionality to use when embedding the instrument in another piece of equipment or building a production line. The command monitor function and external I/O monitor function let users identify the status of instrument and equipment communications and control at a glance. When a problem occurs, this information can be used to find the instrument or equipment issue that's responsible. Communications commands are compatible with past HIOKI products as well as some products from other manufacturers, making it easy to replace one instrument with another.

Instrument used

DC HIPOT TESTER ST5680

HioKI product