

Battery cabinet detection needle





Overview

Can a battery pass a nail penetration test?

The short circuit inside the battery should be artificially triggered and observed for a period of time. The nail penetration test is shown in Figure 1. If the battery does not catch fire, smoke or explode, it will pass the nail penetration test. Otherwise, it will not pass.

Do lithium-ion batteries have a nail penetration mechanism?

The nail penetration model of lithium-ion batteries is another method to analyze the nail penetration mechanism of lithium-ion batteries and improve their safety performance. This article summarizes the experimental analysis of the needle punching process in lithium-ion batteries.

What is bk-700-192n automatic detection & sorting system suitable for 18650 lithium ion battery?

The device can be combined with BK-700-192N internal resistance automatic detection equipment and BK-9192N automatic sorting equipment to form a needle bed type automatic detection and sorting system suitable for 18650 lithium ion battery. □Complete battery formation, charge and discharge test, internal resistance test, sorting, etc. □.

How to control power supply and Needle Bed integrated design?

2. Control power supply and needle bed integrated design, the fixture adopts four layers of independent structure, a total of 4 sets of independent fixtures, each set can hold a tray. Each set of clamps is controlled by an independent solenoid valve to control the clamping of the battery.



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Feb 1, 2024 · Needle penetration studies on automotive lithium-ion battery cells: Influence of resistance between can and positive terminal on thermal runaway

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