HUNTRON Products for the Casino/Gaming Industry

Precision Diagnostics for Casinos

The casino industry has transformed and adapted to rely heavily on electronics. From slot machines to player tracking technology, these systems must operate flawlessly under constant use where any failure can lead to downtime, revenue loss, and regulatory scrutiny. Diagnosing faults quickly and accurately is essential, as the cost of replacing units can far outweigh the cost of the component that would be required to fix them. Huntron offers a powerful solution intended for these needs. Through safe power-off diagnostics offered by Analog Signature Analysis (ASA), faults are quickly isolated to efficiently repair and return the printed circuit assemblies (PCAs) to service.

Key Challenges in Casino Electronics and How Huntron Solves Them

Industry Challenge	Huntron Solution
High downtime costs	ASA enables safe, power-off testing to rapidly isolate faults and reduce the time to repair.
Proprietary or undocumented PCAs	Huntron Trackers provide ASA fault detection without requiring documentation or schematics, by comparison to a known good board.
Technician skill gaps and inconsistent troubleshooting	Huntron Workstation Software centralizes test data and standardizes test routines, enabling repeatable diagnostics. Huntron's wide variety of training options ensure technicians can use the technology.
Reducing downtime and improving diagnostic accuracy	Access Probers automate diagnostics, taking the human error factor out of testing and speeding up the repair-cycle

Huntron Features and Benefits



- PCAs of the current era continually get smaller and more complex. Automated micron level probing eliminates the error and time factor from manual hand probing for diagnostic or parametric testing.
- Huntron tools accelerate troubleshooting, providing a targeted area to look for issues on a PCA reducing equipment downtime.
- Completely customizable test routines can be integrated with existing test procedures.
- Troubleshoot undocumented or obsolete circuit boards by comparing to a known- good board. Isolate faults and repair at the component level instead of discarding or replacing the entire board.
- Huntron Trackers equipped with a Scanner enable the ASA power-off testing of electronic ports.
- Multiple options available for training on Huntron systems as well as world-class support.

New Perspectives: Unlocking Success for the Casino Industry

Huntron products offer alternatives to the traditional fault-repair process. Its product suite supports preventative maintenance and fault prediction, helping identify issues before they occur. The open architecture system allows users to expand testing capabilities and choose solutions that best fit their needs.

Let Huntron Help You Be Successful in Test and Repair of Casino Electronics!

Huntron Products and Applications for Casino Electronics

Huntron Tracker – Models: 2800, 2800S, & 3200S

Application: The Huntron Tracker is used in the Casino Industry to safely diagnose faults on printed circuit assemblies (PCAs). This is especially important for devices such as slot machines, bill validators, and player tracking systems where powered testing could cause further damage and result in expensive replacements. The Tracker helps technicians identify component-level faults without requiring circuit diagrams, even on mixed signal boards. It supports preventative maintenance by comparing with baseline electronic signatures and can verify refurbished equipment before it is returned to service. This non-invasive method helps extend equipment lifespan, reduce downtime, and avoid the cost of replacing PCAs.

Description: The Huntron Tracker is a benchtop diagnostic tool that uses power-off Analog Signature Analysis (ASA) to identify component-level faults on PCAs.


Tracker 3200S

Tracker 3200S is Huntron's most advanced model, offering expanded ASA capabilities and flexibility. It includes two 64-pin IDC connectors and supports automated ASA testing when integrated with the Access 2 Prober.

Tracker 2800S is a durable entry-level model suitable for general troubleshooting and includes two 40-pin IDC connectors for scanning connectors and ports using custom cable interfaces.

Tracker 2800 is a durable entry-level model suitable for general troubleshooting.

Huntron Access Prober – Models: Access 2, DH2

Application: Casino devices often contain compact and densely populated PCAs. Access Probers use micro-stepping motors and linear encoders to place probes on the device under test with high precision. With micron level accuracy, these systems automate the testing process, allowing technicians to focus on other tasks while tests are performed independently. Access Probers are optimized for low-volume, high-mix testing environments, making them suitable for casino maintenance departments. Repeatable test profiles developed in Workstation, simplify switching between different boards. These systems can also be configured to work with external electronic measurement instruments such as oscilloscopes, digital multimeters (DMMs), and LCR meters, enabling integration with existing workflows.

Description: The Access Probers automate the testing of printed circuit assemblies (PCAs), achieving speeds up to ten times faster than manual methods. Using Huntron Workstation, a built-in camera is used to target probing locations, when CAD files are not available. Maintenance is straightforward, requiring occasional lubrication of the axis rails.


Access 2 Prober

Access 2 Prober includes a single flying probe head for benchtop testing. When paired with the Tracker 3200S, it enables automated, power-off Analog Signature Analysis (ASA) testing in Workstation.

Access DH2 model features two flying probe heads and can test across components with a minimum spacing of 50 mils (0.050 inches / 1.27 mm). It is housed in a mobile cabinet and includes integrated ASA testing. This system can be configured for 4-wire measurements.

Huntron Software – Huntron Workstation 4.3

Application: **Huntron Workstation** allows users to perform tests consistently and generate records of results to support documentation regulations of gaming machine repairs. It also supports integration with other electrical measurement tools, enabling centralized management of test procedures and data. Workstation is a model-driven platform allowing users to store tests routines of known-good boards to compare with suspect boards as they arrive for testing.

Description: **Huntron Workstation** is the central software platform used with Huntron Trackers and Access Probers. It provides a unified system for managing and executing test procedures. Built on a database foundation, Huntron Workstation is reliable, user-friendly, and adaptable to various testing needs.