

FIREKING® CASH RECYCLING SOLUTION

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Executive Summary

Cash remains as relevant in retail as it has ever been. Although slowly declining as a percentage of point-of-sale transactions, the amount of cash in circulation continues to grow in the United States. Managing this growing volume of cash remains problematic, as there are widely known cash handling challenges facing retail operations today. These include, but are not limited to, the following:

- Shrinkage due to internal theft
- Daily cash handling time investments from both attendants and managers
- Constantly managing the timing of deposits
- Inaccurate accounting and human error
- Having readily available cash funds for larger payouts (lottery, check cashing)
- Bank, cash pickup, and change order fees
- Lack of visibility of consolidated cash management data
- Security risk

Cash recycling is positioned to address these challenges and represents the next evolutionary step in cash management. A cash recycling solution offers many more benefits and features over that of standard deposit and dispensing solutions offered in previous generations. FireKing® now offers a complete, powerful and unique cash management solution delivering a cash recycler seamlessly coupled with the comprehensive remote system management and business analytics platform, known as Summit.

What is a Cash Recycler?

Different than a depository unit or “smart” safe, a cash recycler accepts deposits and dispenses notes. It is also able to securely store notes, automatically manage cash inventory, and generally streamline the overall cash management process. Cash recycling isn’t just a device – it’s a holistic approach to cash management. By automating and streamlining manual cash handling processes, it impacts every process and person in any retail or other cash-heavy environment.

How does a Cash Recycler work?

Most cash recyclers operate in much the same way. A stack of cash is placed in a bulk-note feeder. The cash is then quickly scanned and distributed into recycling modules or deposit cassettes. The cash that is stored in the recycling modules is then available to be dispensed as needed. All cash levels and thresholds are automatically managed by the cash recycler. This automation speeds the process of securely depositing or withdrawing money, while maintaining adequate cash reserves. Ideally, a cash recycler will put a location as close to “cash equilibrium” as possible. This means that a location is able to maintain its own cash levels without needing change order deliveries or cash pickups for an extended period of time.



Small Form Factor Recyclers: Moving Cash Recycling to the Front Lines

How is Cash Recycling Changing?

Until recently, cash recyclers have been large and expensive devices that only deliver a return on investment (ROI) in back-office banking or extremely cash heavy retail environments where labor savings from counting and deposit preparation, as well as reduced treasury management fees, outweigh the expensive purchase price. Even so, there are examples of high volume retail entities employing cash recycling that are ultimately not seeing the expected ROI.

This dynamic is shifting with the introduction of smaller, more efficient, and much more cost-effective recyclers. Not only is the cost of these devices significantly less, close to 75% less in many cases, but the smaller form factor of these devices also allows them to be placed in many locations that were not possible before. In the retail space, this includes the possibility of installing a complete recycling solution under a counter and/or immediately next to the cash registers at POS. In other words, all the benefits of recycling are now available at the front lines of retail where the functionality of cash recycling is at its most useful from a cost and time savings perspective.

The Long Walk to the Back Office

In the past, cash recyclers in a retail environment were generally too large to fit anywhere other than a back-office environment. Logistically, this type of setup requires cash be physically transported from the register area through the location to the back office. This requires either a floor manager to constantly run excess cash or float money back and forth between the back office and front counter to the cashiers, or in some extreme cases, requires cashiers themselves to leave the register to do this. At the end of their shift, cashiers would deposit all their remaining cash into the cash recycler, causing an end-of-shift bottleneck.

This situation not only presents an inherent security concern with employees handling and moving cash throughout an active retail environment, but also introduces significant operational inefficiencies to the point of negating some of the most useful benefits that a true recycling solution can offer. For instance, one of the main benefits of a cash recycler is that it can securely manage nearly all cash float and provide immediate funds for larger payouts, such as cash back or lottery. With a back-office solution, there is no way for a cashier to use the cash recycler when these situations arise. These events then require an inefficient, time-wasting manual process to get the required cash funds moved to the register to complete the transaction.

The FireKing® Solution: Universal Note Recycler

The Solution

The new Summit Universal Note Recycler (UNR) Series features an extremely reliable and adaptable recycling system. The Summit UNR Series been specifically designed so that it can be scaled to a customers' needs. For instance, as many as three recycling modules can be added as part of a configuration if more/less cash recycling capability is needed. Extra cash boxes can be added to provide more deposit capacity, if needed. FireKing® is introducing five (5) Summit UNR safe models:

Model Number	Total Recycling Capacity	Total Note Denominations	Total Deposit Capacity
UNR-GSR-1R1D	120 Notes	2	1500 Notes
UNR-GSR-2R1D	240 Notes	4	1500 Notes
UNR-GSR-2R2D	240 Notes	4	3000 Notes
UNR-GSR-3R1D	360 Notes	6	1500 Notes
UNA-GSR-3D	N/A	N/A	4500 Notes

Mechanical Design: The Details Matter

The mechanical design of the Summit UNR Series has been carefully considered to provide the smallest physical footprint possible, while also providing customers with an extremely secure and environmentally functional safe.

- **Under-the-counter** – The 29.2"L x 12.7"W x 30.5"H safe body will fit under all ADA standard counters. Its decreased width also helps further minimize installation limitations due to limited counter space.
- **Clever Lever™ boltwork design** – The all new patented Clever Lever™ boltwork utilizes a rotating assembly of cams as opposed to a sliding boltwork design, *significantly* increasing strength and security to the main door delivering the most pry-resistant door available. The Summit UNR Series' main doors use the Clever Lever™ boltwork design with three cams which engage the door jamb not only horizontally but also vertically. The result? A new security standard that is the most secure boltwork design FireKing® has ever developed.
- **V-Shield™** – The new V-Shield™ (*patent pending*) will divert any liquid spills (or falling debris!) away from the UNR note feeder to protect customers' investment.

Software Design: Seamless Summit Integration

Summit UNR safes have been seamlessly integrated into the powerful and industry-leading Summit software, Summit Control™ and Summit View™. This means all the settings, business rules, remote management, and up-to-the-minute data available with Summit Control and Summit View are available for the UNR Series, no compromises.

This seamless integration applies to the touchscreen user experience as well. The same tactile and instantly understandable user interface that customers have come to expect and use with their other Summit devices has not changed. In addition, a primary focus on speed and responsiveness has been applied as well, resulting in the best end-user experience in the industry.

Mix and Match

The Summit UNR Series is a powerful addition to the overall Summit experience. There will be opportunities where a cash recycler can be combined with other Summit safe models to deliver the ideal cash management solution for a customer. Summit is uniquely positioned to manage all the settings and data generated from such a configuration and consolidate it to only the useful and relevant customized data that each user needs. The power and flexibility of Summit, now with under-the-counter recycling.

Coin Recycling

The next phase of development for the FireKing® Summit UNR Series will be coin recycling. The goal is to integrate a smaller form factor high-speed coin recycler, along with the cash recycler, into a single under-the-counter secure safe body. This solution will be driven with a single, touch screen interface. Once complete, FireKing® will be able to offer a COMPLETE cash and coin recycling solution to the front lines, all driven by the power of Summit.

Combining Safe and Video Intelligence

Future integration with eIVate™ positions FireKing® to offer a COMPLETE SEAMLESS TECHNOLOGY and SECURITY SOLUTION. Once integrated, FireKing® will be able to consolidate all captured device data, from the parking lot to the front counter, into a single, customizable, user-friendly, easy-to-use cloud-based set of tools and apps that give our customers instant visibility into their entire operation in the most easy and efficient way possible.

Who Benefits from FireKing® Cash Recycling?

TREASURY, ACCOUNTING, AND LOSS PREVENTION

Cost Savings from fewer change orders and pickups, and fewer banking fees.

Greatly increased accounting accuracy and reduced shrinkage.

Having a cash recycler at point-of-sale greatly reduces amount of time cash is exposed and counted.

OPERATIONS

Cost savings through speed and efficiency gains due to the UNR's high-speed acceptance and automatic cash management.

UNR manages most of the daily cash including float and optimizes cash on hand while minimizing disruptions due to deposit preparation change order verification.

Consistent, secure procedures, even if all retail locations are not the same; the UNR can be customized to meet the needs of each specific location.

OWNER

Cash securely stored while available through device to pay out large transactions such as lottery or cash back.

Time efficiency gains for managers and cashiers, such as minimizing time-consuming manual till refills, allowing them to focus more time on customer service and upselling.

Instant access to reporting and configurable alerts with Summit View from any connected device anywhere, at any time.

Businesses need solutions for the many cash-management challenges they face each day. Moving cash recycling to the front lines of any cash-heavy establishment is a smart way to thwart potential theft, reduce loss due to shrinkage, and optimize cashier efficiency and customer service. The FireKing® suite of security products provides a seamless, one-source solution which will work well in any retail environment. When it comes to securing property, personnel, products and cash, FireKing® is the industry's ONLY one-source solution.

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