

# TR Series

## The Ultimate Choice in Cash Recyclers



The Tidel TR Series represents the broadest and most adaptable portfolio of cash recycling systems in the industry. From stores that range from a single till, to the most dynamic, high volume retail operations, the TR Series is designed to adapt to the widest range of cash management needs, no matter the size or complexity.

# The Continual Need for Cash Management Efficiencies

The continued resilience of cash as a payment method is driving the need for greater efficiencies in how retail organizations handle their cash on a daily basis. The drive for labor efficiency becomes more pronounced as the retail landscape becomes more competitive, wage pressures increase, and the overall labor pool shrinks. To maintain their competitive edge, retailers must remain vigilant in optimizing the methodologies and processes in how they handle their cash.

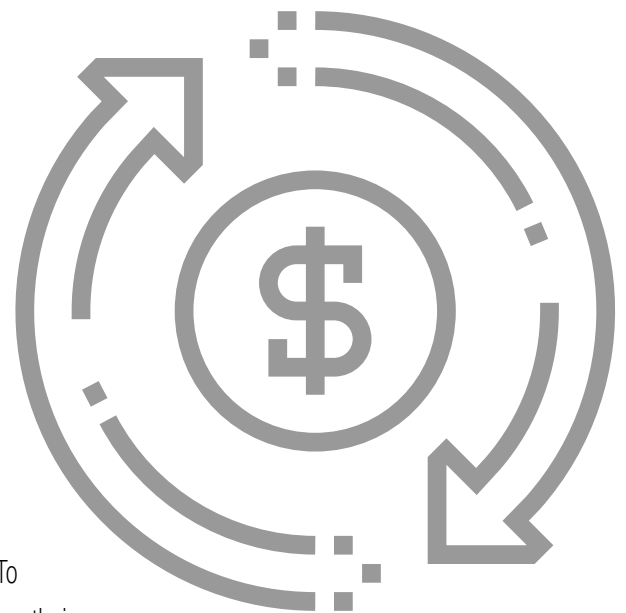
Retailers that handle cash using traditional methods are increasingly challenged to meet consumer and business requirements for better customer service, more productive employees, reduced overhead, and greater overall transparency of their cash transactions. Simply stated, the retail market of today demands an environment that is more agile, efficient, and customer focused. To accommodate this reality, retailers must leverage technology that enables them to completely transform, and advance, their cash management environment.

## Benefits of Cash Recycling

Recycling cash via an automated cash recycler presents numerous benefits to a retailer:

- Frees up store employees to focus on more value-add and customer facing activities
- Minimizes cash room/back office activities and related costs
- Reduces cash float
- Enables faster access to working capital via daily credit
- Helps reduce losses, cash shrinkage and risk
- Increases operational efficiencies
- Enhances security for staff and customers
- Optimizes end to end cash supply chain costs – including cash-in-transit costs, banking fees, and miscellaneous cash supplies (bags, deposit tickets etc.)

In today's retail environment, consumers have more shopping choices than ever before. To remain competitive, brick and mortar retailers must differentiate themselves by focusing on their core business of driving outstanding customer experience and minimizing their non-core back office processes. Cash recycling solutions, such as the Tidel TR Series, help retailers achieve these objectives.



## Introducing the Tidel TR Series Cash Recyclers

Offering the most complete and adaptable portfolio of cash recycling systems in the industry, the Tidel TR Series is helping retailers worldwide successfully transform their cash handling processes. Powered by one common software platform that supports a multitude of note and coin recyclers, the Tidel TR Series enables retailers to automate their cash management processes while providing unparalleled levels of transparency and accountability to all cash transactions. The level of automation that the TR Series provides helps retailers significantly reduce their daily cash float, consolidate banking relationships, and greatly minimize the manual handling of cash – freeing up employees to focus on more productive activities.

The TR Series of cash recyclers was designed for unparalleled performance and adaptability to support a wide range of cash management requirements. Our approach helps retailers rapidly respond to evolving cash handling requirements while simplifying operations and reducing store overhead. The TR Series adaptability is supported by two coin recyclers that can



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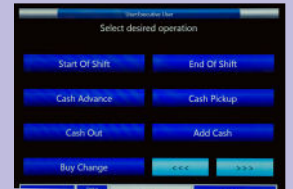
seamlessly interoperate with any of our five standalone note recyclers. This level of flexibility is unique to the Tidel TR Series, and enables retailers to select the right solution for their store, or a particular department within their store, to make the best use of the automation, capacity, and speed they may need to address their current cash volume requirements.



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## One Common Software Platform

At the heart of the TR Series is the software solution that powers it. The TR Series software suite is expansive, easy to use, and completely adaptable to any user environment. The TR Series software simplifies the process of managing users, assigning permissions, running reports, and managing cash balances. The TR Series offers a status bar that provides a dashboard-like status of all system components, allowing for proactive engagement when needed. The TR Series also enables remote access capability, so authorized parties can perform necessary maintenance, or assist with troubleshooting, if required. The TR Series offers the industry's most comprehensive software package needed to manage the note and coin processing of a cash-intensive retail establishment.



## Why Tidel

For over 40 years, Tidel has helped numerous organizations across the globe greatly improve the way they handle their cash. In so doing, we've helped organizations develop stronger business practices, enable more productive employees, and enjoy greater profits. We pride ourselves on continually investing the latest technologies that help organizations secure, streamline, and automate their cash environment.

Our Differentiators:

- We have the broadest portfolio of cash management solutions in the industry - from smart safes to cash recyclers – capable of addressing the full spectrum of retail cash management challenges
- We are the most reliable smart safe provider in the world
- We are trusted by more than one third of the top 100 US retailers for their cash handling needs
- We maintain the largest network of certified service technicians, ready and able to quickly troubleshoot and resolve system issues in the field
- We have developed unique capabilities within our cash management portfolio, including support for peer to peer, remote management, and remote bill upgrades
- We have delivered a flexible and configurable software platform that is designed to optimize an organization's unique cash handling requirements and processes

# TR Series Note Recyclers



**TR50**



**TR100**



**TR180**



**TR200**



**TR250**



**TR300**



**TR400**

<b>Note</b>							
Recycle Denominations	Up to 6	Up to 6	Up to 4	Up to 8	Up to 4	Up to 5	Up to 6
Recycle Capacity	Total 1,200 notes  Configuration options: 1. Single (300 note) recycle storage mechanism x 3 + dual recycle storage mechanism (100 notes+200 notes) x 1 2. Single(300 note) recycle storage mechanism x 2 + dual recycle storage mechanism (100 notes+200 notes) x 2 3. Single (300 note) recycle storage mechanism x 4	6 recycle storage mechanisms x 300 notes each = 1,800 total note recycling capacity	Up to 2 split recycling cassettes (1,200 and 600) = 3,600 note recycling capacity	8 recycle storage mechanisms x 560 notes each = 4,480 total note recycling capacity	4 recycling cassettes x 2,100 notes each = 8,400 total note recycling capacity	Total 9,900 notes - 2,700 notes x 3 recycle storage mechanisms = 8,100 notes - 1,050 notes x 1 recycle storage mechanism = 1,050 notes - 750 notes x 1 recycle storage mechanism = 750 notes  Total Recycle Capacity: 9,900 notes	Up to 4 recycling cassettes x 2,850 notes each = 11,400 total note recycling capacity
Deposit Capacity	2,000 notes	2,000 notes	1 cassette at 2,850 notes	2,000 notes	2,100 notes (Configurable up to 10,500 notes deposit by configuring recycle cassettes to deposit only)	4,500 notes	1 to 4 cassettes at 2,850 notes per cassette
Total Capacity	3,200 notes	3,800 notes	6,450 notes	6,480 notes	10,500 notes	14,400 notes	14,250 notes
Deposit Speed	5 notes/second	4 notes/second	10 notes/second	7 notes/second	8 notes/second	10 notes/second	10 notes/second
Dispense Speed	4 notes/second	4 notes/second	10 notes/second	6 notes/second	8 notes/second	10 notes/second	10 notes/second
<b>Dimensions and Weight</b>							
Width	13.3" (340 mm)	15" (380 mm)	18.8 in (477 mm)	16.5" (420 mm)	19" (483 mm)	16.5" (420 mm)	18.5" (470 mm)
Depth	31.4" (800 mm)	32.9" (835 mm)	34.7 in (881 mm)	41.2" (1,046 mm)	36.19" (919 mm)	35" (890 mm)	46.7" (1,186 mm)
Height	51.8" (1,315 mm)	61.9" (1,573 mm)	58.2 in (1478 mm)	64.5" (1,638 mm)	48.88" (1,242 mm)	63.2" (1,605 mm)	55.9" (1,420 mm)
Weight	761 lbs. (345 kg)	595 lbs. (270 kg)	800 lbs. (363 kg)	992 lbs. (450 kg)	850 lbs. (386 kg)	1,089 lbs. (495 kg)	1,093 lbs (496 kg)

# TR Series Coin Recyclers



Coin	Medium Coin Recycler	Large Coin Recycler	Extra Large Coin Recycler
Recycle Denominations	Up to 4	Up to 8	Up to 4
Recycle Capacity <small>*can also accept (not dispense) US \$0.50 and \$1 coin</small>	1¢: 6,800 coins 5¢: 4,200 coins 10¢: 9,600 coins 25¢: 3,700 coins	Varies depending on currency	1¢: 12,000 coins 5¢: 7,000 coins 10¢: 15,000 coins 25¢: 6,300 coins
Deposit Speed	Up to 500 coins/minute	Up to 3,000 coins/minute	Up to 3,000 coins/minute
Dispense Speed	8 coins/second/hopper	8 coins/second/hopper	8 coins/second/hopper
Width	17" (431 mm)	25" (635 mm)	25" (635 mm)
Depth	32" (812 mm)	36.19" (919 mm)	36.75" (933 mm)
Height	49.5" (1,257 mm)	49.53" (1,258 mm)	51.5" (1,308 mm)
Weight	750 lbs. (340 kg.)	830 lbs. (376 kg.)	915 lbs. (415 kg.)

#### Other Available Features:

- Touch Screen Interface
- Integrated Printer
- iButton for CIT access
- Combination style door lock
- Biometrics
- Remote Management
- Remote Bill Upgrades
- Error recovery videos
- Web-based store and management reporting
- Nationwide Service Network
- Peer to Peer Networking
- Mix and Match Note and Coin recyclers

## About Tidel

Headquartered outside of Dallas, TX, Tidel is a leading provider of cash management solutions that empower retail institutions across the globe to better manage their daily cash operations, reduce risk, and increase profits. Since 1978, customers have relied on Tidel to provide the most innovative and reliable solutions that help secure, optimize, and streamline their cash environment.

Additional information can be found at [Tidel](https://www.tidel.com) or connect with Tidel on [Twitter](https://twitter.com/Tidel) and [LinkedIn](https://www.linkedin.com/company/tidel).



# TR Series with Optional Drop Vaults

The Tidel TR recycler drop vaults provide a secure and convenient way to perform manual currency drops whenever required. The Tidel recycler drop vaults are offered in two different styles – a standard size drop vault and a larger drop vault that offers an additional storage compartment. This storage compartment enables secure storage of items such as paper rolls, coin bags or other accessories. Each drop vault, as well as the additional storage compartment, requires biometric access, offering additional levels of security and convenience. The recycler drop vaults easily connect to Tidel TR note recyclers via the provided data cable.



Specifications	Recycler Drop Vault with Storage	Recycler Drop Vault
Internal Volume Capacity		
— Top Chamber	1.7 cubic feet	
— Bottom Chamber	1.2 cubic feet	
		1.3 cubic feet
Dimensions and Weight		
Width	10" (254 mm)	10" (254 mm)
Depth	30" (762 mm)	20" (508 mm)
Height	44.5" (1,130.3 mm)	29.63" (752.6 mm)
Weight	405 lbs. (183.7 kg)	100 lbs. (45.36 kg)