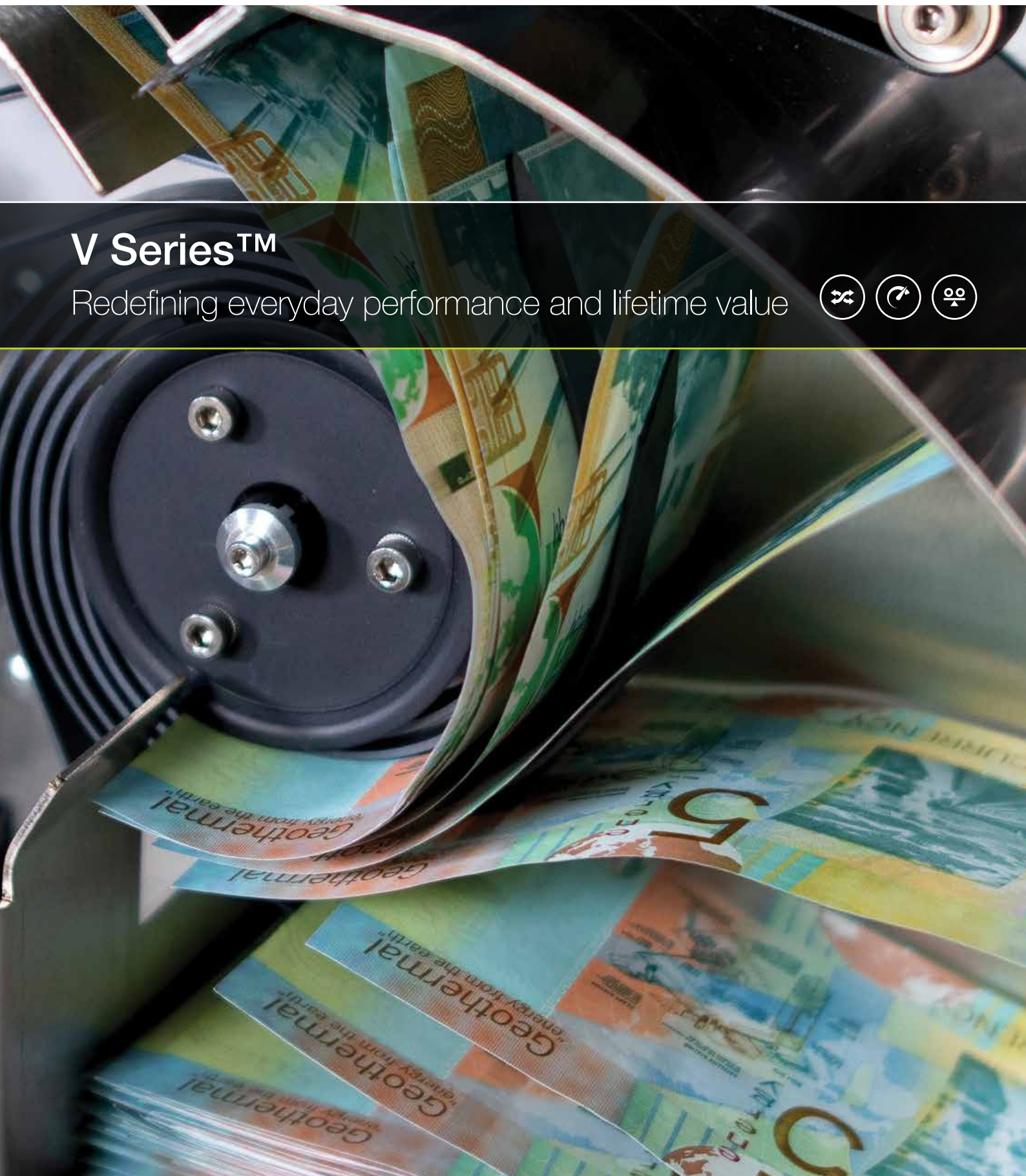




V Series™

Redefining everyday performance and lifetime value

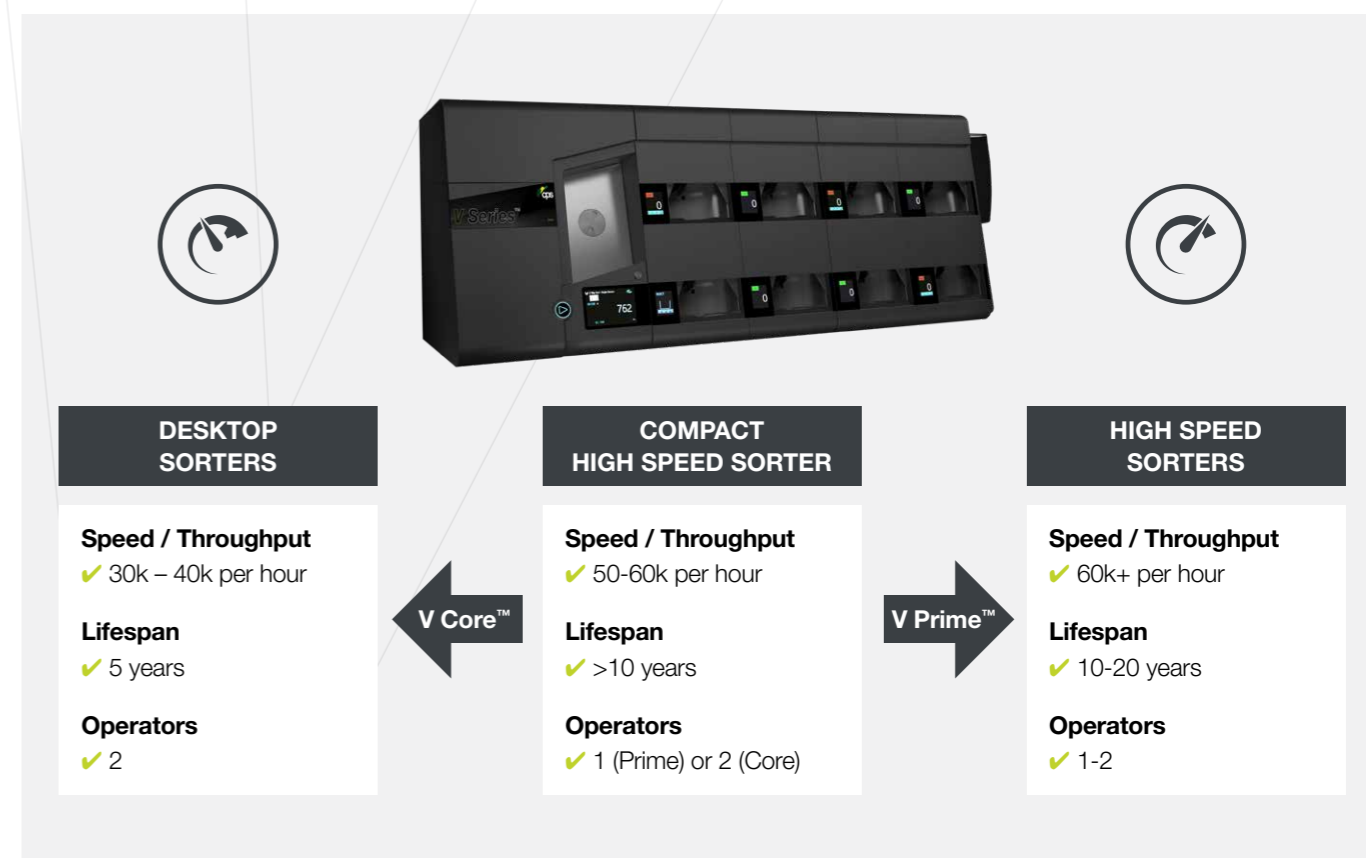


Versatile Productive Cost Effective



The world's fastest compact sorter

Processing cash efficiently and cost effectively requires a flexible solution. Our V Series™ is a next generation compact sorter with multiple options and capabilities configurable to your specific requirements. It maximises productivity and minimises total cost of ownership, whether you want to step up from desktop sorters with better performance and lifetime value or unlock the performance of high-speed sorters at a lower cost.



The compact V Series™ provides organisations such as banks and cash centres with a robust long-life solution, high speed productivity and built-in flexibility. It's the ideal choice for those customers looking to process up to 72,000 banknotes an hour using equipment that can last up to ten years and evolve with individual needs. Offering higher throughput and longer lifespan than mid-speed sorters, V Series™ makes a sound investment with a lower total cost of ownership. It's also a credible alternative to a full high speed solution for organisations that require high speed performance but lack the space, volume of processing or future certainty to invest high levels of capital expenditure.

- ✓ **Efficiency** – Processes up to 72,000 banknotes per hour with a large feeder capacity of up to 2,000 notes and dynamic pocket allocation
- ✓ **Flexibility** – Expands and adapts to your needs with a modular design that allows easy adding or swapping of modules and simple upgrades
- ✓ **Reputation** – Intelligently designed for quality, durability and reliability with high specification components and a focus on efficient fitness sorting and authentication
- ✓ **Cost** – Keeps cost of ownership low with long lifespan, high quality build for everyday reliability and simple, quick servicing to reduce downtime
- ✓ **Control** – Sophisticated data outputs and smart integrated monitoring, analysis and reporting of data via our Production Tool provide the intelligence you need to drive process and performance improvements in your business

V Series™ Core is our standard solution with manual output pockets. V Series™ Prime adds strapper pockets and a range of enhanced detection capabilities.

Efficient and intelligent
cash management

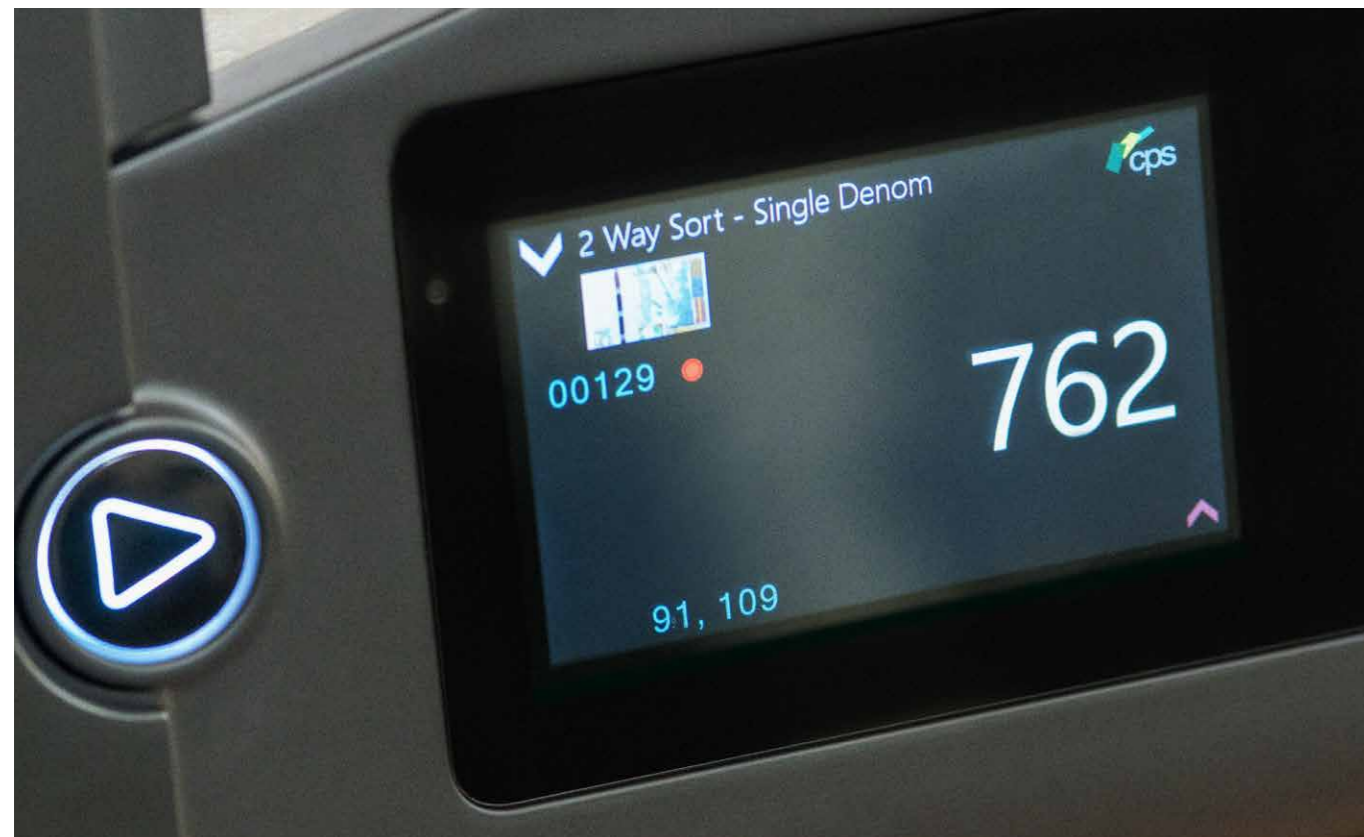


V Series™ Core



Faster performance, better lifetime value

With up to 40% greater throughput and twice the lifespan of most desktop sorters, V Series™ Core is a high performance cash management solution that offers true cost effectiveness over its lifetime. Easy to install and ready to evolve, its speed and flexibility gives customers the capabilities required to boost productivity while reducing total cost of ownership. Over a ten year period, V Series™ Core is a faster, more reliable and less costly alternative to desktop sorters.

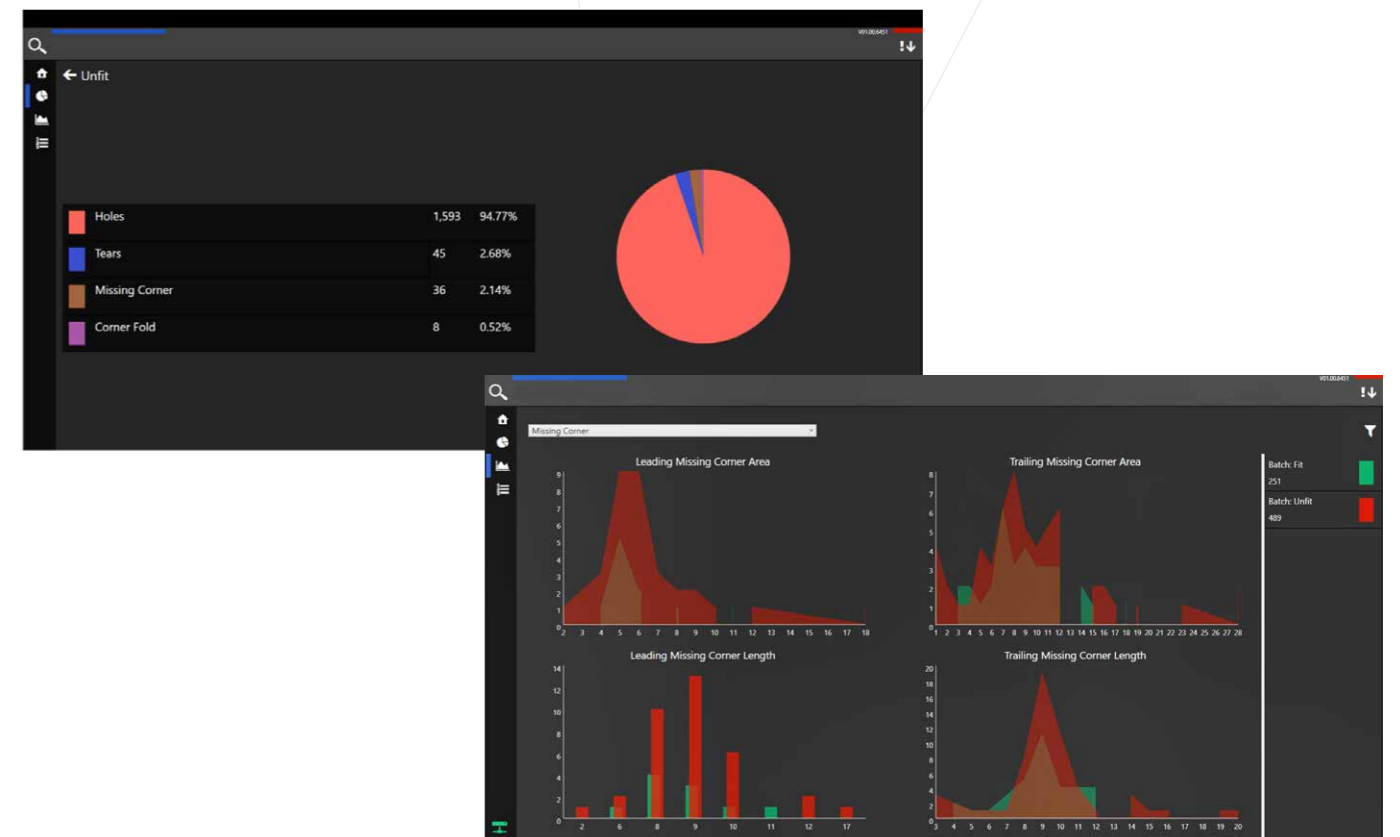


Optimises productivity

Designed compact and modular, V Series™ Core is ideal for rapid cash processing where space is limited. It has a standard throughput of 1,200 banknotes per minute or 72,000 notes per hour with a large feeder capacity of 2,000 notes and continuous feeding for efficiency. With up to twenty manual output pockets in dual pocket modules, cash can be segregated easily by denomination, orientation, series, size or condition. Dynamic pocket allocation automatically allocates pockets, optimising pocket usage and throughput. With no on-board PC, V Series™ Core installs, boots up and runs rapidly, minimising downtime.

Adapts to your needs

Flexibility is vital in today's world. As cash processing demands change and technology evolves, being able to scale operations up or down and take advantage of new opportunities helps organisations stay productive and cost effective. With V Series™, adding or removing modules and swapping types of modules between machines is quick and easy. Upgrading can be handled in-field, saving time and cost.



Connects, collates and controls

V Series™ Core interfaces with the ECM™ ISA cash supply chain platform and ECM™ BI, amassing significant amounts of data for actionable information and insight. Sophisticated detectors output data individually and record results in detail for enhanced sorting decisions. With ACDP integration, V Series™ Core optimises processing capacity, efficiency and cost by handling banknotes only once. Header and trailer cards separate deposits from multiple clients to enable continuous feeding into the sorter.

The V Series Production Tool, supplied as standard, enables organisations to optimise performance. It links up with V Series via encrypted Ethernet or Wi-Fi and provides a live view of processing on connected machines, as well as live sorting analysis. Count data can be stored for long periods, reports generated automatically or on demand and data exported for use by Down-Stream Systems. With the Production Tool, you always know how your cash processing is performing and where you need to fine tune for optimum operational efficiency.

V Series™ Prime

True high speed performance at lower cost

Providing the speed and automation of high speed sorters without the size, upfront costs or maintenance charges, V Series™ Prime is a game-changer in cash processing. It steps up from V Series™ Core with the addition of strapper pockets and enhanced capabilities, giving customers a solution that pairs true high performance with low total cost of ownership. By automating manual processes, V Series™ Prime saves time, effort and cost with market-leading features found only on more expensive, high speed machines.



Automates strapping

V Series™ Prime boosts the efficient sorting capabilities of V Series™ Core by automating the strapping process. Dual strapper modules capable of strapping and stacking 1200 notes per minute in twelve 100 note batches free up staff from manual strapping so they can focus on more productive tasks. Automated strapping also means operators don't need to slow the machine down to keep up, maximising productivity. Each V Series Prime machine can support up to 16 strapping output pockets, a full range of banknote sizes and media including paper, polymer and mixed substrate. Band roll and printer ink can be replaced and pocket jams cleared without stopping the machine, further enhancing productivity.

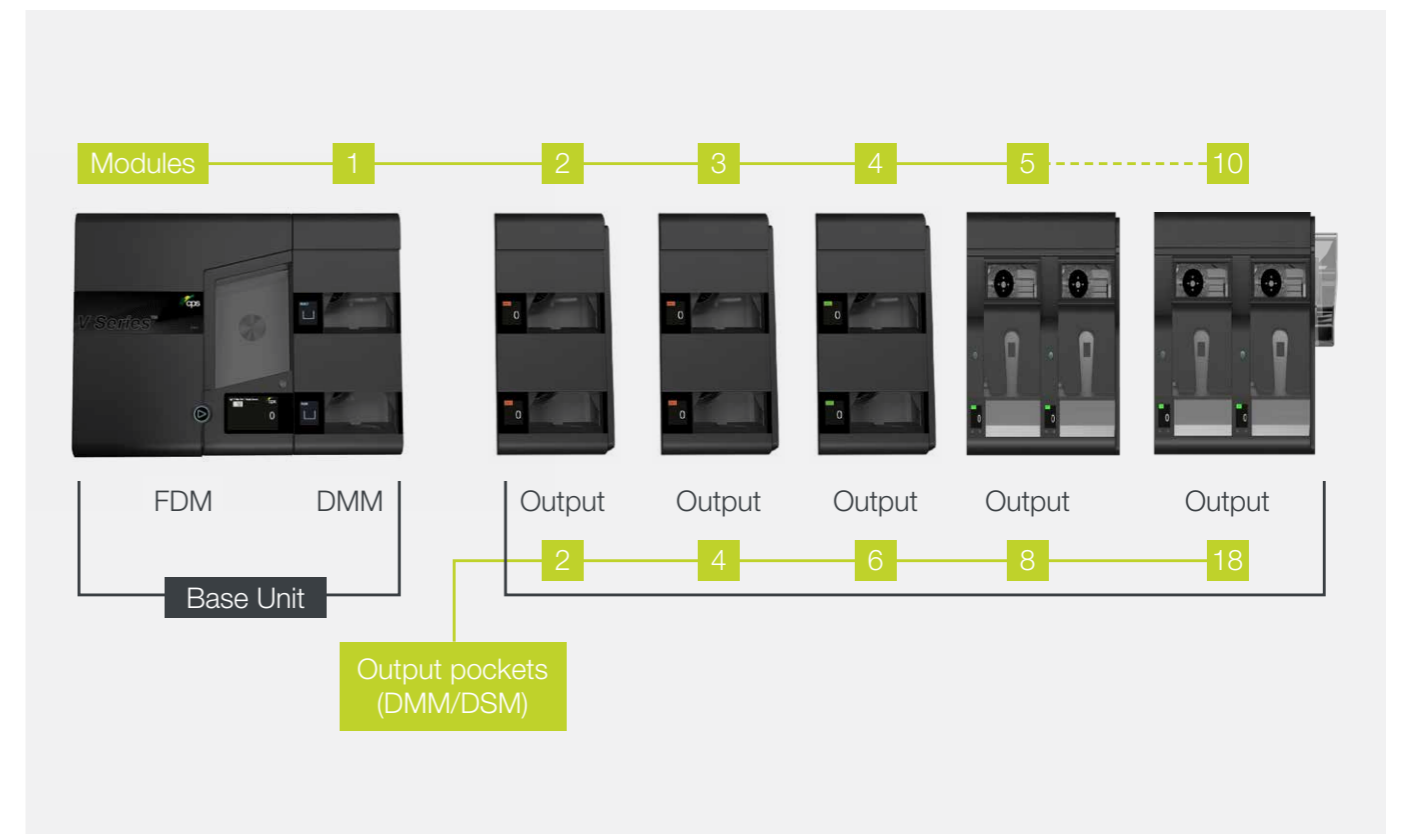
Expands your capabilities

V Series™ Prime gives customers the freedom to update the specification of each machine to their own individual needs. Additional modules can be used for extra manual and strapper pockets or to expand detection capabilities for accurate and consistent fitness sorting that meets global standards with advanced authentication including Visible and IR Image, Ultra Violet, Fluorescence and Magnetics. These capabilities make V Series™ Prime one of the most versatile and secure cash processing solutions available – and all in a compact size.

Configurations



The V Series™ range includes multiple configurations so operations can be scaled to individual cash processing needs. The base unit comprises a Feeder Detector Module and Dual Manual Module, with reject pocket. Output options include up to 18 output pockets in dual pocket modules. Here are some of our most popular configurations:



Base Unit

- ✓ Feeder Detector Module (FDM)
- ✓ Dual Manual Module: (DMM)

Output options

- ✓ Up to 18 output pockets in dual pocket modules
 - Dual Manual Modules (DMM) with up to 200 banknote capacity in each output pocket
 - Dual Strapper Module (DSM) has adjustable strapping options for 50/100/125 notes, with up to 500 banknote capacity in each output pocket

The next generation compact sorter



System components



1 User interface

- ✓ 5" touchscreen
- ✓ Intuitive, colourful, graphical interface
- ✓ Fitness sorting levels are user configurable
- ✓ Can be programmed for single and multiple currency sets
- ✓ Production Tool provides unrivalled live business reporting and performance evaluation
- ✓ Integrates seamlessly with cash management systems including ECM™ ISA

2 Feeder & banknote transport

- ✓ 2,000 banknotes capacity feeder
- ✓ Short-edge banknote feeder
- ✓ Continuous feed for optimal productivity
- ✓ Friction feeder handles even the poorest quality banknotes easily and quickly
- ✓ Standard speed of 1,200 npm and throughput of 72,000 banknotes/hour. Optional speeds range from 600 npm
- ✓ Quick-to-open covers and access to all parts of the roller transport for easy jam clearance, reducing processing interruptions

3 Detectors

- ✓ Accurate and consistent fitness sorting that meets global standards
- ✓ Fitness detection for soiling, stain/graffiti, ink wear, holes & tears, cornerfolds, missing corners, tape
- ✓ Authenticity detection including Infra-red (IR) reflective and transmissive, ultra-violet (UV), magnetic features, contact image sensors (CIS)
- ✓ Optional OCR for serial number reading

4 Output options

- ✓ V Core configuration up to 20 pockets
- ✓ V Core pockets up to 200 banknote capacity
- ✓ V Prime configuration up to 20 pockets
- ✓ V Prime Strapper pockets from 2-16
- ✓ V Prime Strapper pockets up to 500 banknote capacity
- ✓ V Prime strapping volume options 50/100/125 notes
- ✓ Dynamic Pocket Allocation available on all machine configurations, maximising operator efficiency

5 Reject Pocket(s)

- ✓ Up to 200 banknote capacity
- ✓ Easily accessible and neatly stacked banknotes for accurate and efficient deposit reconciliation

Service



Market-leading service and support

Designed and built for reliability and ease of servicing, V Series™ minimises downtime and optimises productivity. From high quality components to smart features such as easy transport access for quick jam clearance and face down detectors that prevent dust accumulation, V Series™ keeps your cash processing tasks running longer. Inevitably, though, there may be times when you need support and that's where the experience and expertise of our global service network comes in.

With CPS, you'll receive dedicated professional servicing for your V Series™ system including technical support and remote troubleshooting, maintenance packages and system updates for maximum efficiency and security. Simply choose the service solutions you need to support your business so you can stay productive, even when the unexpected happens.



ECM™

Integrated cash supply chain software platform

The V Series™ range integrates with ECM™, our market-leading cash supply chain platform. ECM™ is an integrated suite of software products specifically developed by CPS to manage the end-to-end cash cycle. It provides full traceability and audit of banknotes within a single cash centre, across multiple cash centres or across an entire nation. With market-leading functionality, ECM™ is the most widely used cash cycle management system in the world with over ninety customers across twenty five countries. ISA 7 is the latest evolution of ECM™, based on the most up-to-date technology platform. The software suite is available in English, French, Spanish, German, Dutch, Russian and many more including Right-to-Left languages such as Arabic.

For further information see our ECM brochure.



Product specification

Feeder	
Feeder	Up to 2,000 banknotes, continuous feeding, friction design
Fitness sorting & authentication	
Banknote classification	Denomination, series, orientation and size
Fitness sorting	Soil, inkwear, stain/graffiti, holes & tears, cornerfolds, missing corners, tape
Authentication sensors	Infra-red (IR) reflective & transmissive, ultra-violet (UV), magnetic feature
Output pockets	
Output options	V Core™ manual pockets V Prime™ manual pockets and strapper pockets
Pocket configuration	Base unit (FDM + DMM with reject pocket) Combination of dual output modules available up to 18 pockets
Pocket capacity	DMM up to 200 banknotes - DSM up to 500 banknotes
Reject pocket	One as standard up to 200 banknotes
General	
Processing capability	Up to 1,200 npm (72,000 banknotes/hour) Adjustable speed setting to process poor quality banknotes
Banknote size range	Width: 55mm-92mm Length: 100mm-190mm
Banknote substrate	Paper, polymer and mixed substrate
Operating modes	Multiple user defined sort modes Single and mixed denomination Single and mixed issue Facing Automated Commercial Deposit Processing (ACDP)
User interface	Full colour touch screen Visual display for each output pocket
Operating system	Closed embedded processing system ensures optimum security against hacking and viruses Off-machine production tool kit (Windows 10)
Security access control	PIN access on machine
Connectivity	Ethernet ECM™ ISA and BI
Language	Multiple languages available
Operating conditions	
Power	Voltage: 95VAC to 265VAC Frequency: 50Hz/60Hz single phase
Power rating	Feeder Display Module (FDM): 300W Dual Manual Module (DMM): 250W Dual Strapper Module (DSM): 350W
Noise	<73dBA
Ergonomics	Seated or standing operation
Operating ambient temperature	15 – 37.5°
Humidity	25-85% RH
Dimensions (mm) and weights (kg)	Base unit (FDM + DMM with reject pocket): 807(L) x 350(W) x 580(H) / 60kg Each DMM: 272(L) x 350(W) x 580(H) / 20kg Each DSM: 570(L) x 600(W) x 580(H) / 40kg



About CPS

CPS is the industry's independent global provider of bespoke end-to-end, data-driven cash management solutions, developing long-term partnerships with our customers to safeguard their reputation, optimise their efficiency and protect their investment.

CPS provides complete cash centre consultancy, data & software solutions and sorting machines, supported by a global service team, to central banks, commercial processors and retailers as well as single note inspection systems to banknote printworks, across the world.

Our integrated solutions enable our customers to have full control and visibility of their banknotes and crucially, own their banknote data, at all stages of the cash cycle from production to destruction.

Our global customer base in over 100 countries, combined with more than 60 years in the industry, gives us the specialist knowledge of global cash cycle trends and currency management we need, to ensure our solutions are tailored to meet our customers' own objectives.

Our on-going support and flexible service packages provide truly future-proofed solutions, enabled through our local presence, global knowledge and a proven ability to deliver bespoke requirements.



Innovation you can trust



For further information please contact your regional account manager.

www.cps.world

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