

CPS X7500/4SM Shrink Wrapping and Packaging Solution

Bundles of 500 or 1000 banknotes are transported from the XR via a secure closed-loop system into the SmartPack™ system. Here, they are wrapped and hermetically sealed to create strong, tamperproof bundles that meet the security criteria of central banks worldwide.

The option to label each bundle with a time, date, barcode, QR code and any other required configurable data provides full traceability of each individual bundle.

SmartPack™ takes the packaging process one step further by connecting multiple sorters, each with their own in-pocket bundling, into one on-line automated packaging system, truly optimising efficiency.

- ✓ Efficiently automates the process of banknote sorting, bundling, QR code printing, stamping, stacking, label printing, and pre-wrapping of large bundles; significantly reducing manpower and material costs while greatly enhancing sorting efficiency.
- ✓ The comprehensive management software system offers rich content and enables dynamic monitoring and supervision of each unit's operational status. It also performs statistical accounting of the assembly line's clearing results.
- ✓ Thermal transfer labels display customisable content, to include QR codes, for full traceability.
- ✓ Easy to operate from the sorting workbench, with intelligent control, and clear alarm indication. Serial number upload is easy with a seamless connection with the banking system. The fully closed loop of the solution means the position of banknote units can be tracked at any time during operation.





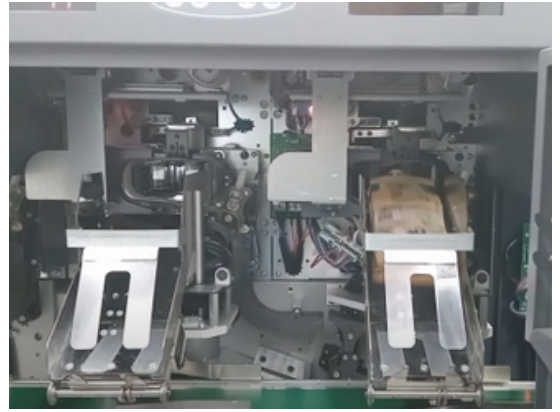
The component parts of the solution

1 XR sorting workbench

The sorting workbench is the source of the entire micro-cash processing system and the operator's workstation for counting banknotes. It is responsible for real-time display of sorting workload and balance of accounts after the operation is completed.

2 XR Strapper

The banknotes are transported from the XR sorter to the strapper, where batches of 100 banknotes are strapped.



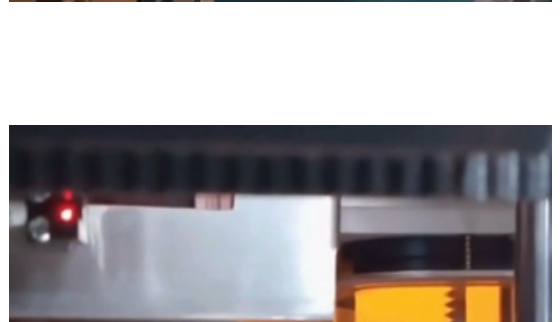
3 Collator and Bundler

Batches of banknotes are transported to the collating and bundling area where 10 strap collations are formed ready to move to bundle strapping.



4 Shrink Wrapper

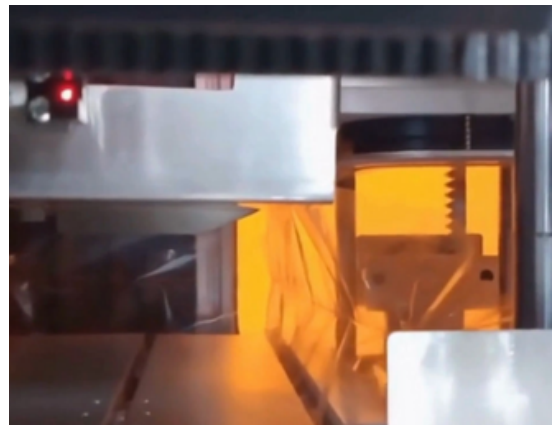
The 100 or 500 banknote bundles move to the wrapping and labelling process. For banknote bundles that need to be pre-wrapped but not plastic-sealed, the system can automatically push them out through the designated outlet via software settings.



5 Labelling

Using thermal transfer printing technology, details such as the unit name, banknote type, amount, quantity, packaging date and time, operator, inspector, Hanxin code and operating machine are printed as Hanxin codes on the shrink wrapping film. Additionally, the circulation information can be traced by scanning the Hanxin code which facilitates error attribution.

- The unit has a built-in power-off protection function when the door is opened. When the shrinking film is replaced, the power is automatically cut off to ensure the safety of the operator.
- The heating box has its own control switch, which can stop the heating box from working independently without power failure.



Product specification

SmartPack™	
System dimension:	L3250*W2290*H1570
Power supply:	220V±10% / 50±2Hz
Power consumption:	< 5.5KW
Working environment:	Indoors, without strong light and strong electromagnetic interference
Denominations:	Check with your Regional Account Manager
Speed:	54,000 pieces/single sorting machine/hour
Data interface:	Standard TCP/IP network interface, USB interface, LAN, SD card
Configuration functions:	Automatic sorting, bundling, stamping, stacking, and plastic sealing
Operation port capacity:	1000 banknotes capacity feeder (feeder extension kit included as standard increasing capacity to 2,000 banknotes). Reject pocket(s) up to 500 banknotes capacity.

The SmartPack™ system is our flagship product, developed through years of technical expertise in cash processing and incorporating advanced technologies such as precision mechanical design, banknote identification, electrical automation control, and intelligent management software systems.

Featuring a compact structure, fully enclosed operation, and traceable crown numbers, SmartPack™ significantly reduces operational risks. This high-end intelligent device optimises the cash processing workflow, ensures the quality of cash clearing, and enhances processing speed. Additionally, SmartPack™ aligns with CPS's environmental commitment by delivering greater efficiencies with a smaller footprint, making it an integral part of our sustainable bank sorting range.

Sustainable Cash Processing Solutions



For further information please contact your CPS Regional Account Manager

www.cps.world

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