

Cashwork One®

Professional coin processing – efficient, dynamic, and integrated.



Giesecke & Devrient
Creating Confidence.

Cash in on our expertise



For 160 years, Giesecke & Devrient (G&D) has been the byword for pioneering security technologies throughout the banknote cycle; for 40 years, it has also been a leading worldwide supplier of high-performance banknote processing systems used for counting, checking, sorting, packing, and destroying banknotes. With the newly

developed Cashwork One system, G&D is now setting new standards in the field of coin processing systems: The innovative machine design allows for unprecedented precision in coin identification. The two variants, the Cashwork One and the Cashwork One with dynamic sorting (DS), were designed especially for users handling medium to large

volumes of coins, such as the main cash offices of banks and retail outlets, casinos, arcades, car park operators, and transport operators. The Cashwork One version with integrated coin lift (ICL) is especially suitable for high-volume applications in the cash centers of cash-in-transit companies or commercial banks.

Designed for maximum security and high throughput



Innovative sensor technology

The newly developed Coinsure® 4D Matrix sensor features extremely precise coin measurement. This ensures particularly reliable authentication and differentiation, no matter what alloy, diameter, thickness, or shape a coin series may have. The self-calibrating sensor checks every coin based on a signal matrix of amplitude and frequency by means of its innovative electromagnetic measurement.

As coin – note boundaries move, coin detection is becoming of more importance world-wide and the Cashwork One coin sensor architecture considers already the possibility to add new detection technologies in future.



Ergonomic and easy to use, enabling smooth workflows

- Comfortable working height for manual coin loading
- Ease of use thanks to well positioned function buttons and display, or alternatively via a touchscreen monitor
- Compact design with a short distance between the coin entrance and coin outlet pocket
- Separate opening hopper covers for large and small quantities of coins
- Good visibility and access to rejected coins
- Multicolor LED-illuminated buttons indicating the status of each coin outlet
- The machine is particularly quiet compared to others in its class

Connectivity included

- Updates can be implemented via USB stick or online
- Count data and statistics can be stored locally on a USB stick or SD card or transmitted to a computer system via the optional network connection

High availability and good serviceability

- Robust design
- Remote diagnosis and software updates and upgrades can be completed quickly and efficiently via remote access
- All components are easily accessible for cleaning and maintenance work



Tailor-made to suit your requirements

Cashwork One



Base system

The base system has 9 sorting outputs and one reject compartment, allowing up to 9 coin denominations to be processed, depending on the currency. Coins can be sorted into cloth bags, safebags, or coin containers.

A defined coin outlet can also be used solely for the purpose of control counts.

The Cashwork One features an integrated automatic coin belt feed, allowing operators to input large quantities of coins at once.

Cashwork One DS



System with dynamic sorting function (DS)

In contrast to the basic system, the ninth output channel (control) in the Cashwork One DS (dynamic sorting) can be dynamically configured. It is monitored by a solenoid. This dynamic sorting (DS) version of Cashwork One, provides most importantly the following two advantages

instead of the reject compartment. This can be done for individual denominations as well as for all of a currency's coins. This nonstop processing allows significantly greater throughput than that of the base system. This is particularly beneficial to users handling high volumes.

- **Separation of denominations**

- **Efficiency and throughput**
If the defined number of coins for a specific output channel is reached, the next coin (for this channel) is guided into the DS channel

If a currency has two denominations with the same diameter, they can be sorted reliably into different coin outlets

Cashwork One ICL



System solution with integrated coin lift (ICL)

The Cashwork One ICL system solution achieves optimum productivity. In addition to the dynamic sorting function, it comes with an integrated coin lift, which feeds coins into the system continuously, further improving handling and

throughput capability. An external touchscreen monitor optimizes operation, serving at the same time as a dashboard with indication of the current processing status. The large capacity of the ICL coin container ensures uninterrupted sorting during this process.

System variants at a glance



Model	Cashwork One	Cashwork One DS	Cashwork One ICL
Count rate	Maximum 3,000 per minute	Maximum 3,500 per minute	Maximum 3,500 per minute
No. of coin outlets	9 fixed + 1 reject compartment	8 fixed + 1 that can be flexibly assigned + 1 reject compartment	8 fixed + 1 that can be flexibly assigned + 1 reject compartment
Additional functions	–	DS function	<ul style="list-style-type: none"> • DS function • Integrated coin lift • External touchscreen

Additional features

- Automation technology, e.g. conveyor belts
- External touchscreen monitor for dashboard functions (already included with the Cashwork One ICL variant)
- Printer
- Coin container
- Cloth bags
- Safebags
- Barcode scanner

Technical data for the base system

Detection

Sensor:
Coinsure® 4D Matrix

Sorting:
All conventional coins

Counting modes:
Sorting/Dropping

Interfaces

2 × USB port:
USB stick for optional data exchange (e.g. reporting and updates)

RS232:
PC interface serial port

SD card slot:
SD card as optional data memory (e.g. for reports)

LAN RJ45:
Available as an option

Capacity and speed

Coin deposit capacity:
Up to 5,000 coins,
continuous feed possible

Dimensions of closed base system,
without rack (W × D × H):
1095 × 368 × 310 mm

Weight:
59.0 kg

Power consumption:
290 W

Power supply:
100–240 VAC, 50/60 Hz

Rated voltage:
220–240 V

Operating noise:
78 db(A)

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