

Castella®

Cash deposit terminal for back office use



Giesecke & Devrient



The Castella concept optimizes the cash cycle



Giesecke & Devrient (G&D), the world's leading supplier of currency automation product and system solutions, specializes in developing high-grade products for a wide spectrum of customer requirements.

The days of time-consuming banknote counting in back offices are now a thing of the past. The Castella concept optimizes this process, which until now has been both cost- and labor-intensive. It enables cash deposits to be securely stored, quickly inspected, and immediately reconciled. Castella relocates deposit verification from the cash center to the back office.

Castella offers considerable improvements in efficiency,

for example, where deposits from multiple cash registers are collected and reconciled centrally, either during a store's opening hours or after closing time. In this process, using Castella can save up to 50 percent of processing time and expense.

Secure cash depositing

Each depositor logs on to the Castella using a personalized smart card or user name. Up to 200 unsorted banknotes can be deposited at one time. A temporary storage facility allows the depositing process to be canceled if the depositor disagrees with the amount registered. As soon as the transaction is completed, the system prints out a receipt for the amount deposited. All accepted banknotes are kept in the machine's integrated safe. For office personnel, this means more security and less responsibility because the safe is tamperproof.

Thanks to the CashRay® 180 high-tech sensor, they can also be certain that every banknote stored has been identified as genuine.

As soon as the cash in the safe reaches a predetermined level or the maximum insured value, a security transport company can be notified automatically.

All the data on each deposit can be directly transmitted to the bank, cash-in-transit company, company headquarters, or other administration software systems for further processing. The Castella helps prevent erroneous entries at cash centers since deposits no longer need to be recounted.

The Castella concept allows for interfacing with other systems, such as coin counters and banknote dispensers, thereby opening the door to having a fully automated back office.



Castella highlights



The Castella optimizes cash processing. Automatic counting saves time, costs, and space while providing maximum security. In addition, Castella boosts the efficiency of the other players in the cash handling process, i.e. CIT companies and cash centers.

Optimization potential at various levels of the cash cycle

Cash offices

- Optimal dependability through secure banknote transport, less susceptibility to jams, and low service costs
- Easy-to-open cabinet design allows easy jam recovery and machine maintenance
- Optimization of counting and reconciliation procedure
 - Reconciliation process becomes up to 50 percent faster
- Enhanced security due to low number of manual operations
- Deposit receipt issued immediately
- Balance data can be transmitted to other software systems
 - No discrepancies between balances determined during register count and at cash center

Cash-in-transit

- Collection schedule optimized by electronic transmission of data on accumulated value and volume of cash to the CIT company
- Handover of deposits to CIT companies optimized

- Enhanced security resulting from cash transport in tamperproof removable cashboxes

Cash centers

- Less time spent processing banknotes since individual deposits from single cash registers are validated and attributed inside the Castella ahead of time
- No counting discrepancies between deposit transaction and cash processing
- Optimized currency processing due to the larger volume of banknotes in each cashbox
- Optimal personnel employment scheduling:
The Castella comes with optional interface for security transport companies, thereby enabling them to call up information in advance on the volume of cash deposited thus far and the number of banknotes to be processed

Due to the Castella's data networking capabilities, the essential steps of banknote processing, deposit transport, and accounting data processing can be carried out at separate times. This flexibility allows the individual processes to be optimized and coordinated.

Back office security and efficiency

Security levels

To ensure maximum security in the cash cycle, employees involved in cash handling are given individualized user privileges. A personalized smart card allows users to be assigned a specific range of depositor rights:

- Make deposits
- Castella administration
- Open safe and remove cashboxes
- Access for maintenance

The Castella concept – areas of application

- Retail outlets
- Shopping centers
- Hotels
- Casinos
- Restaurant and fast-food chains
- Transport and logistics companies
- Gas and service stations
- Major events (sporting events, concerts, etc.)
- Theme parks, cinemas

Options and Accessories

- Adaptation for 2nd or 3rd currency
- Castella deposit software
- Castella transponder software
- Castella transponder reader (cashbox data)
- Barcode reader

Technical Data

Dimensions (approx.)

Length: 1,157 mm
Width: 724 mm
Height: 1,260 mm

Weight (approx.)

600 kg (with safe)

Load per unit area (approx.)

15 kN/m² (with safe)

Temporary storage

Capacity up to 200 BN per transaction

Transport speed

10 BN/s

Transaction time

1 BN: approx. 15 s
200 BN: approx. 60 s

CashRay® 180 sensor, authenticity and denomination identification:

- Image sensor
- Infrared sensor
- Fluorescence sensor
- Magnetic sensor

Cashbox mounting

Room for 1 or 2 removable cashboxes

Dual cashbox system

Hold up to 3,000 BN (freshly printed) each

Safe

Certified according to CEN III

Data transfer and interfaces

Serial: 2 (e.g. for coin counters)
USB: 1
LAN: 1

Power supply

110 V–250 V, 50/60 Hz, including UPS (uninterruptible power supply)

Integration

Castella is designed to be integrated into legacy cash register systems

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