

# Castella®

Cash deposit terminal for back office use



Giesecke & Devrient



## Optimizing the cash cycle – the Castella concept



Giesecke & Devrient (G&D), global leader in the supply of product and system solutions for automatic currency processing, specializes in developing high-grade products for a wide spectrum of customer requirements.

Among these advanced solutions is a new system that makes time-consuming counting of banknotes in back offices a thing of the past. The Castella concept optimizes this previously cost- and labor-intensive process. Cash can be deposited securely, and immediately verified and reconciled. Castella relocates deposit verification from the cash center to the back office.

Castella offers high gains in efficiency in particular where

takings from multiple cash registers are collected and reconciled centrally during business opening hours or after closing time. Using Castella in this process can cut processing time and costs by up to 50 per cent.

Castella fully lives up to G&D's international reputation for products of high technical standards, incorporating, for instance, the company's proven CashRay® 180 sensor technology.

### Secure cash depositing

Depositors log on to Castella using a personalized chip card or their user name. Up to 400 unsorted banknotes can be deposited in one operation. An escrow facility is provided,

allowing the cash-in process to be stopped if the depositor disagrees with the registered amount. Immediately after the cash has been deposited, the system prints a receipt recording the deposited sum. All accepted banknotes are stored in an integrated, tamper-proof safe. As soon as the cash in the safe reaches a predetermined level or the maximum insured value, a CIT company can be automatically alerted.

Other media such as coins, checks, vouchers and documents can be placed in safe-bags and deposited through a separate slot. The operator enters the deposited sum manually on the touch panel.

All deposit data can be electronically transferred directly to a bank, the CIT company, the organization's headquarters or other higher-level software systems for further processing. Deployment of Castella means that erroneous entries are avoided, since amounts no longer have to be entered at the cash center.



# Castella-Highlights



The Castella concept allows cash processes to be optimized. Automatic counting of banknotes means savings on costs, time and space. At the same time, maximum security is achieved.

Moreover, Castella enhances the efficiency of the other players in the cash handling process, i.e. the CIT companies and cash centers.

## Optimization potential at various levels in the cash cycle

### In the cash room

- Maximum reliability of banknote identification achieved through CashRay® 180 sensor technology
- Counting and reconciliation procedures optimized
  - time savings of up to 50 per cent in the reconciliation process
- Low number of manual operations means enhanced security

- Receipt issued immediately to depositor
- Machine cleaning and clearance of jams facilitated by a simple opening concept
- Accounting data electronically transferable to other software systems
  - No counting disparities between register closing and cash center
- No counting disparities between deposit procedure and banknote processing
- Currency processing optimized due to larger volume of banknotes in the cashboxes
- Planning of personnel deployment easier and more efficient

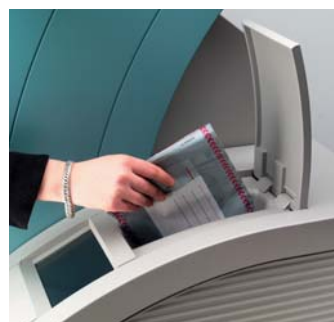
Castella's data transfer capability allows banknote processing, deposit transport and accounting data processing to be carried out at separate times. This flexibility means that the individual processes can be optimized and coordinated.

### In transit

- Collection schedules optimized by electronic transfer of cash volume and/or value data to the CIT company
- Transfer of deposited cash to the CIT company optimized
- Security enhanced through cash transport in tamper-proof, removable cashboxes

### In the cash center

- Less time needed for banknote processing at the cash center due to deposit verification in the back office





# Security and efficiency in the back office

## Security levels

Maximum security in the cash cycle is ensured by granting differentiated privileges to employees who handle cash. Specific roles are assigned to users of the Castella unit by means of personalized chip cards:

- Castella administration
- Cash depositing
- Data transfer
- Opening the safe
- Removing cashboxes
- Access to the machine for service purposes

## The Castella concept – areas of application

- Retail outlets
- Shopping centers
- Hotels
- Casinos
- Restaurant and fast-food chains
- Transport and logistics companies
- Gas stations
- Major events (sports, concerts, etc.)
- Amusement parks, movie theater centers

## Options and accessories

- LAN interface\*
- Serial interface\*
- Single currency adaptation \* (regional currencies)
- Adaptation for 2 currencies
- Adaptation for 3 currencies
- Castella configuration software\*
- Castella transponder software
- Barcode reader

\*Belongs to standard hardware/software

## Technical Data

### Dimensions (H/W/D)

Approx. 1,460 x 710 x 831 mm

### Weight

Approx. 750 kg (with safe)

### Load per unit area (with safe)

Approx. 15 kN/m<sup>2</sup>

### Deposit size

Up to 400 BN

### Escrow capacity

Up to 400 banknotes

### Transport speed

Approx. 20 BN/s

### Transaction time

Approx. 60s/400 BN

### CashRay® 180 sensor

- For authentication and denomination detection: image sensor, infrared sensor, fluorescence sensor, magnetic sensor
- Processes up to 3 different currencies at the same time

### Removable cashboxes

Capacity approx. 2 x 2,000 BN

### Optional security features

- CEN III conformity for safe
- Ink system for cashboxes (in preparation)

### Data transfer and interfaces (optional)

- Direct: LAN/modem
- Indirect: storage medium integrated into the cashbox
- Interface for coin counter
- Interface for barcode reader

### Additional input slot

For safebags containing checks, vouchers, coins, rejected banknotes, etc.

### Power supply

110 V–250 V, 50/60 Hz

### Integration

Castella can be integrated into existing cash register systems

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