

Numeron®

Powerful, multi-functional system for banknote processing

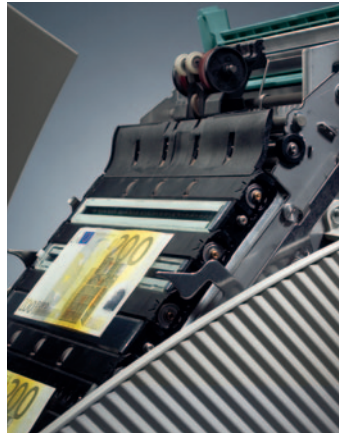


Giesecke & Devrient
Creating Confidence.

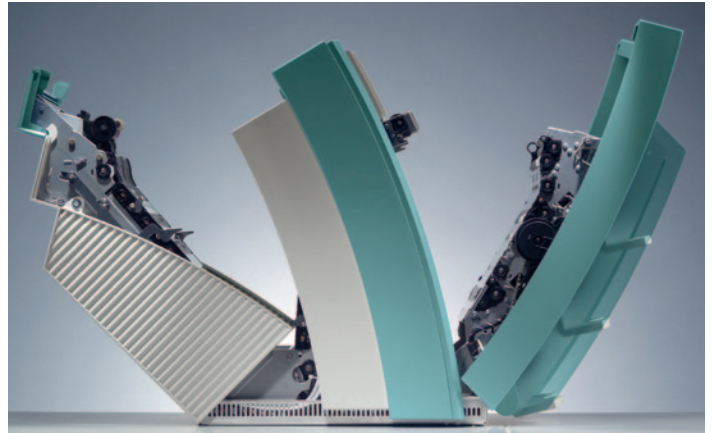
Perfection in banknote processing

Giesecke & Devrient (G&D) has been crafting cutting-edge security technologies for the entire banknote lifecycle since 1852 – from producing banknote paper and security features to printing and processing banknotes.

For over 30 years, G&D has been the world's leading provider of high-performance banknote processing systems. G&D products and solutions power high-efficiency processes for counting, authenticating, sorting, packing, and destroying banknotes.



CashRay 180 sensor – full-face scan of each banknote



Patented easy-access cabinet design simplifies maintenance and cleaning

A unique success story

With an installed base of over 10,000 systems, the Numeron is a worldwide success story and an extremely versatile machine:

- Processes many different banknote qualities and substrates (paper, hybrid, polymer)
- Consistently high quality and performance
- Best-in-class processing speed of 1,200 banknotes/min.
- Patented, easy-access cabinet design simplifies maintenance and cleaning
- For casinos, central banks, and commercial banks

Numeron readily adapts to your needs

G&D's CashRay® 180 sensor provides proven authentication, while the control panel PMI lets you select or customize 40 different processing modes. There are also two stackers and a reject compartment.

Intuitive new person-machine interface

- Intuitive, language-independent icons
- Color touchscreens simplify the input process
- Integrated printer to document deposit accounting and issue statistical reports
- Supports software and adaptation updates via USB flash drives



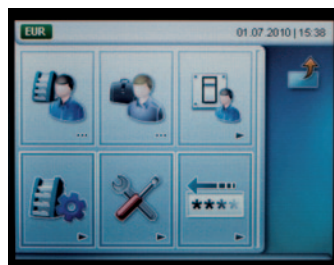
Small footprint, but countless applications

G&D ensures banknote fitness:

From the central bank to the teller window.



Intuitive operation speeds up processes



Examples of color touchscreens



The perfect solution for unique requirements



Global presence – always on the leading edge

The Numeron supports close to 100 currencies. It can process up to five different currencies in succession.

Contact us. We would be happy to discuss your unique requirements.

Standard models

Numeron D

- Rapid sorting and accounting of mixed deposits
- Processes up to 1,200 banknotes/min.

Numeron F

- All features of the Numeron D, plus fitness sorting
- Certified to international standards (e.g. ECB fitness framework)
- Up to three fitness categories:
 - ATM fit
 - Fit
 - Unfit

Special models

Numeron DU

- All features of the Numeron D, but with a high-security sensor for authenticating USD banknotes; most reliable authentication in this class

Numeron T

- All features of the Numeron D, but with a special sensor for detecting tape on torn and repaired or re-assembled banknotes

Numeron TU

- All features of the Numeron T, but with a high-security sensor for authenticating USD banknotes; most reliable authentication in this class

All-in-one customizable solution

Forty different processing modes support a rich variety of sorting processes as well as tandem processing to rapidly count deposits. Operating the machine is simple and easy thanks to intelligent, auto-detecting sorting modes that require no manual involvement.

Examples of operating modes:

- Fast deposit accounting
- Fitness sorting
- Withdrawing expired series
- Sorting by other parameters such as denomination and orientation

Operators can configure and control one or more Numeron systems from a PC using NCS, the Windows®-based configuration software.

The Numeron can be seamlessly integrated via a LAN interface with legacy management systems such as:

- G&D cash management systems such as Compass VMS® and BPS® Connect
- G&D cash management software designed specifically for bank teller applications

Barcode reader

The Numeron uses a barcode reader to automatically capture, synchronize, and send deposit data to the management software.

Printer

The PMI printer can print out processing results for audit or verification purposes.

Video surveillance

The Numeron can be integrated with video surveillance systems to inseparably link the Numeron's accounting data with video surveillance streams. Video sequences can then be retrieved quickly and selectively for individual deposits. In addition, the open stacker design allows the entire process to be monitored from start to finish.



Tailored services

We offer a wide range of services worldwide to keep your Numeron system running smoothly for years to come. They include hands-on training for service personnel and users, prompt technical support, and customer-specific maintenance agreements and system updates. G&D's remote service reduces service down-time and raises system efficiency even more.

Options and accessories

- Single currency adaptation*
- Other currency adaptations
- PMI with thermal printer*
- Transport case
- Barcode reader
- Individually selectable report languages
- Cash center management software, e.g. Compass VMS® and BPS® Connect
- Cash management software specifically for bank teller applications**
- Numeron Configuration Software (NCS)**
- External printer connection
- High-security solution: Numeron with video surveillance system (VSI)**

* Comes with standard hardware/software
** Available on request

Technical Data

Dimensions (H/W/D)

51 x 36 x 45 cm

Weight

31 kg

Deposit capacity

Up to 500 BN
(depending on quality)

Stackers

2 stackers, each holding up to 200 BN
(depending on quality)
1 reject compartment for up to 100 BN

BN sizes accepted

- Length: 100–185 mm
- Width: 50–95 mm

Transport speed

- Up to 20 BN/s (1,200 BN/min.)
- Transport speed is 50 % lower
in fitness mode

Number of currencies

Up to five different currencies
can be selected easily and flexibly

Numeron interfaces

- LAN
- External display

PMI interfaces

- Software update
- Mouse
- Keyboard
- Numeric keypad
- Barcode reader

Power supply

100–250 V, 50/60 Hz

Ambient temperature

15–35 °C

Relative humidity

30–80 %, non-condensing

Approvals

CE, GS, BG, CCC, RoHS

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