

Numeron

Desktop machine for banknote processing



Numeron is a compact, fast and reliable machine for banknote sorting, authenticity detection and value counting. The high quality unit is produced by Giesecke & Devrient (G&D), the world's leading supplier of banknote processing equipment and solutions. Numeron combines the idea of a full performance banknote processing machine with the customer requirement for an extremely economical, space saving, ergonomic and multi-faceted system with authenticity, value detection and sorting for denomination and quality.

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Concept: Numeron is a compact, fast and reliable machine for banknote sorting, authenticity detection and value counting. It offers the features of a complete banknote processing machine while remaining a highly economical, space-saving and easy-to use system.

Numeron offers productivity improvement and optimization of cash handling processes as well as the option of optimum banknote fitness detection in one easy to use and compact unit. It comes in several models with an increasing number of sensors, depending on your needs.

Features: Numeron has an optimal deposit processing and sorting with the best authentication capability in this machine class. The high speed cash process allows customer to reduce cost for cash processing. The Numeron has a fast and efficient authentication and simultaneous accounting of even smaller and mixed deposits. Several systems can be networked together and linked to external peripherals, such as coin counter and barcode reader. Numeron is capable of detecting and sorting different currencies, denominations and series simultaneously. The machine has a compact size, is user friendly and has a language independent operation using easy to use symbols.

The question of cash handling costs are becoming increasingly interesting as the volume of cash in circulation is continuing to expand worldwide. Demands and the needs of ATM cash dispensing mean that on-site fitness detection must meet ever-higher standards.

The additional soil sensor in Numeron F measures the extent of soiling divided in up to three levels: ATM – FIT – UNFIT. Simultaneously, the value of the banknotes is registered and totalled.

If recirculation of quality sorted banknotes is allowed by the respective central bank, this creates the possibility of shortening the cash cycle by several stages. In this case processed banknotes can be used directly by cashiers or to replenish ATMs.

Models	Sensors					
	Image/IR	Magnetic	UV	Tape	Soil	USD
Numeron D	X	X	X	-	-	-
Numeron DU	X	X	X	-	-	X
Numeron T	X	X	X	X	-	-
Numeron TU	X	X	X	X	-	X
Numeron F	X	X	X	X	X	-

Technical specification

Feeder capacity (approx.)	<ul style="list-style-type: none"> • 400 poor-quality BN • 500 ATM-fit BN
Stackers	3 stackers (2 + 1 reject)
Stacker capacity (approx.)	<ul style="list-style-type: none"> • Poor quality: 100 BN • ATM-fit: 200 BN • Reject: 100 BN
BN sizes accepted	Length 100–185 mm Width 50–95 mm
Simions (H/W/D)	51 x 36 x 45 cm
Number of currencies	Up to 3 different currencies (max. 32 denominations)
Transport speed approx.	<ul style="list-style-type: none"> • 20 BN/s (1,200 BN/min); • 10 BN/s (600 BN/min) in fitness mode
Weight (approx.)	31 kg
Power supply	100 V–250 V, 50/60 Hz
Power consumption	210 VA
Ambient temperature	15–35°C
Relative humidity	30–80°C, non-condensing
Approvals	CE, GS, BG

Reliability and durability

- High performance continuous operation
- Heavy duty build for long lifetime
- Cabinet concept for easy maintenance and jam recovery

CashRay® 180 sensor

- Double-sided, full-area authenticity detection
- Currently the best authentication capability in this machine class
- Room for optional fitness test, tape and US dollar sensors (see table)