



G+D makes banknote processing more efficient with new BPS M evo series

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Giesecke+Devrient

Giesecke+Devrient (G+D) announces the next generation of its high-performance BPS M systems for banknote processing. The [BPS M evo](#) series systems, which are available in the M3, M5, and M7 variants, feature new software, improved sensor evaluation, a new stacker module, and a modern visual design. Central banks, commercial banks, cash-in-transit companies and casinos with existing BPS M systems can retrofit the new functionalities by an upgrade.

High throughput, security, and accurate classification are important factors for efficiently counting, checking, and sorting large banknote volumes. The BPS M series is specially designed for use in central banks and cash centers with a throughput of several hundred thousand to several million banknotes per day. They perform all work steps automatically, from banknote checking and sorting to packaging.

The central innovation of the new BPS M evo series is its powerful software, which includes an easy-to-use interface and a new software architecture. Significantly optimized guidance takes the strain off users, leads to fewer operating errors, and thus increases productivity in banknote processing. IT security has also been improved with an integrated firewall and encrypted data transmission between the processing system and customer servers.

New technology enables high-precision banknote classification

Customers can also benefit from software innovation via SensorFusion, a process that uses intelligent sensor algorithms to notably optimize banknote classification. Classification is the process of determining whether a banknote is still of good circulation quality, unfit or even a counterfeit. The computing power required for this is provided by the SensorBrain high-performance computer system, which is scalable accordingly. By merging different measurement technologies such as ultrasound, magnetism, and optical methods in the visible UV and infrared range, SensorFusion offers a comprehensive and completely novel approach to banknote classification. This reduces manual post-processing work in the cash center and minimizes incorrect sorting of banknotes.

With BPS M evo, customers also benefit from UV detection with 30 times higher resolution than before, as well as differentiation of the UV colors used. This means that the UV security features of banknotes can be fully exploited for improved authentication and sorting according to fitness for circulation.

Existing BPS M banknote processing systems can be upgraded to the extended functionality of the BPS M evo. In addition to the

functions mentioned above, new systems in the BPS M evo series feature a modern design.

Efficiency and sustainability

The new NotaTray Filling stacker module can be used as an option in the BPS M evo series. The module stacks the checked, counted, and sorted banknotes loosely in reusable banknote containers known as NotaTrays, instead of banding them with paper, bundling them in packs of 10, and then shrink-wrapping them in plastic film as was previously the case. This shortens the previous process and thus saves time and money, as the banknotes are packed and unpacked much faster and with less effort within the value chain. Sustainability and efficiency for commercial cash centers increase significantly when using these notes to fill ATM cassettes. It also eliminates the need for packaging material for banknotes, which can now be transported loose in the sealed trays for example from a commercial cash center to the central bank. With this method, sample calculations have shown that up to 175 km of banding material can be saved per machine and year.

The NotaTray Filling module not only optimizes transport processes in the cash cycle, but it also saves labor efforts. For example, the system can pick up rejected banknotes. Typically, unrecognized banknotes such as double prints or bills suspected of being counterfeit are collected in a dedicated stacker. Once it is full, an operator removes them. With BPS M evo, the NotaTray filling modules can collect up to 10 times more rejected banknotes. This further automates the process steps, manual intervention becomes less necessary, and the rejected banknotes can be processed efficiently.

"We see it as our responsibility to work together with our customers to make the cash cycle more efficient and sustainable with innovative solutions," explains Dr. Christian Legl, Head of Business Line High Speed Systems in banknote processing at G+D.

"The precise classification of banknotes by the BPS M evo series and the new NotaTray Filling make an important contribution. With this generation of technology, cash centers are equipping themselves for the future in terms of efficiency, sustainability, security, reliability and user-friendliness."

More information: <https://currency-technology.gi-de.com/introducing-bps-m-evo> ↗



G+D offers powerful banknote processing with the new BPS M evo series.

About Giesecke+Devrient

Giesecke+Devrient (G+D) is a global security technology group headquartered in Munich, Germany. As a reliable partner for international customers with the highest standards, G+D's solutions safeguard the essential values of this world. The company develops customized technology with passion and precision in four core areas: Payment, Connectivity, Identities and Digital Infrastructures.

G+D was founded in 1852. In the fiscal year 2022, the company generated with more than 12,600 employees a turnover of 2.53 billion euros. G+D is represented by 103 subsidiaries and joint ventures in 33 countries.

Further information: www.gi-de.com.