BPS® M5

Unmatched productivity for commercial cash centers

www.gi-de.com/bps-m5
The high-speed world of unsurpassed productivity

The high-speed world of G+D enables commercial cash centers to combine highly precise banknote processing with smart automation to achieve highly productive end-to-end solutions. Its core is the BPS M5.

Commercial cash centers have to compete with rising cost pressures and very high security demands in their marketplace. In addition, there has been a significant rise in cash quantities in many markets. The most efficient way to meet these challenges is intelligent automation.

The BPS M5 is the perfect solution for processing large banknote volumes very efficiently. The modular system features best-in-class productivity, extremely robust, user-friendly design, and reliability in demanding continuous operation.

Another key aspect is the system’s extra-ordinary flexibility. Its modular, scalable design means it can be adapted to a huge range of requirements: for example, up to 20 different delivery stackers can be used to, e.g., allow multi-denomination sorting in one run.

Modular overall concept
Other automation components such as the NotaTracc® loading and logistics solution or the NotaPack® packaging system can enhance efficiency in the BPS M5 even further.

This modular overall concept also ensures that the system can be easily and cost-effectively adapted for changing requirements.

High speed with precision
In one hour, up to 120,000 banknotes can be continuously processed, i.e., detected, sorted, and banded online, regardless of the banknote substrate.

120,000 banknotes per hour are precisely, reliably, and securely processed in continuous operation – 24 hours a day, 7 days a week.
Our focus: top performance

Productivity, flexibility, security: with impressive performance in every respect, the BPS M5 sets the technical standards in its class.

Outstanding productivity
With space for up to 4,000 banknotes, the Large Continuous Feeder (LCF) enables constant filling and uninterrupted system operation. Using the NotaTracc loading module, the feed capacity can be even increased to 20,000 banknotes. Standard Delivery Modules (SDMs) produce strapped packages of typically 100 banknotes on all stackers, while Large Delivery Modules (LDMs) produce loose banknotes, ready e.g. for ATMs.

Custom-tailored performance
The BPS M5 has a modular system design, allowing for extremely flexible configuration with multiple variants. A maximum of five modules and 20 stackers are possible, with two module types available: Standard Delivery Modules with four stackers and Large Delivery Modules with a 2x2,000 banknote capacity. These customization options cater for a huge variety of requirements.

High operational flexibility
The BPS M5 is also very flexible in other ways. It supports various operation modes for efficiently processing small, medium, or large deposits. In addition to the conventional two-stage process, efficient single-stage process variants are also possible: the header card deposit processing (HDP) for many smaller deposits and the fast deposit processing (FDP) for larger deposits.

High-end sensors for maximum security
Add unique sensor technology from Giesecke+Devrient to these functions and high system security and accounting accuracy are guaranteed. Banknote authenticity is reliably checked, and the BPS M5 provides maximum precision in fitness sorting. This ensures smooth cooperation with central banks and compliance with the local fitness framework – a basis for cash recycling in commercial cash centers.

The most important features at a glance

1. Throughput of up to 120,000 banknotes per hour
2. Large feeding compartment with continuous singling (capacity of up to 4,000 banknotes)
3. Two different output modules:
   - Standard delivery modules (SDMs) with four stackers, each with bander
   - Large delivery modules (LDMs) with a capacity of 2x2,000 loose banknotes
4. Modular design: up to five delivery modules, in any preferred combination (SDMs and LDMs)
5. User-friendly and intuitive operation and exception handling
6. Cutting-edge sensors (NotaScan) for reliable detection of fitness properties, authentication features, serial numbers, and much more
7. Designed for enabling further efficiency gains through advanced automation solutions such as NotaTracc and NotaPack
Meeting your current requirements – open for future developments

The modular concept of the BPS M5 means that it can be tailored to precisely meet current and future requirements. With the comprehensive portfolio of smart automation systems, efficient end-to-end solutions can be realized.

The basis of productivity is availability

With our needs-oriented consulting team and fully comprehensive service portfolio, Giesecke+Devrient customers benefit from full productivity and smooth operation of systems – for the entire life of the product.

G+D consulting services: for solutions that are the perfect fit
Our experts analyze the individual needs, existing processes, special requirements, system environment, and more. Based on this analysis, we will recommend the right solution for your operation, and it will be integrated smoothly into your production processes.

G+D service: always at your side, whenever and wherever you need it
Our dense, global service network ensures that customers can rely on our support at all times. Your systems are kept current with frequent updates and upgrades – which can further boost productivity after installation.

G+D remote service: the fastest solutions via remote access
Use G+D remote services to optimize uptime of your systems. A large proportion of system failures can be immediately responded to and resolved using G+D remote access. Our service specialists identify the issue and put it right in an instant.
Creating Confidence

Giesecke+Devrient (G+D) is a global security technology group headquartered in Munich. As a trusted partner to customers with the highest demands, G+D secures the essential values of the world with its solutions. The company develops technology with passion and precision in four major playing fields: payment, connectivity, identities and digital infrastructures.

G+D was founded in 1852. In the fiscal year 2021, the company generated a turnover of 2.38 billion euros with around 11,800 employees. G+D is represented by 89 subsidiaries and joint ventures in 33 countries.

TECH FACTS

Throughput:
- BPS M5-22 up to 76,000 BN/h
- BPS M5-33 up to 120,000 BN/h

BN formats (length x width):
- 100–180 x 60–90 mm

Dimensions (H x W x D):
- BPS M5-12B: 1,488 x 6,823 x 1,063 mm
- BPS M5-16: 1,488 x 8,188 x 1,063 mm
  (can be dismantled for transport)

Weight (including caster platform):
- BPS M5-12 ~ 1,670 kg
- BPS M5-16 ~ 2,395 kg

Power supply options:
- 230 V / 400 V, 50/60 Hz
- 120 V / 208 V, 50/60 Hz

Power consumption:
- BPS M5-12 ~ 3.0 kW
- BPS M5-14LB-33 ~ 5.3 kW

Power consumption of the required LVM pneumatic module:
- (can be located outside processing room)
- 3.3 kW

Noise level:
- 64–75 dB(A)

Temperature range:
- 15°C–30°C

Relative humidity:
- 30%–80%

Certificates:
- CE, GS, UL