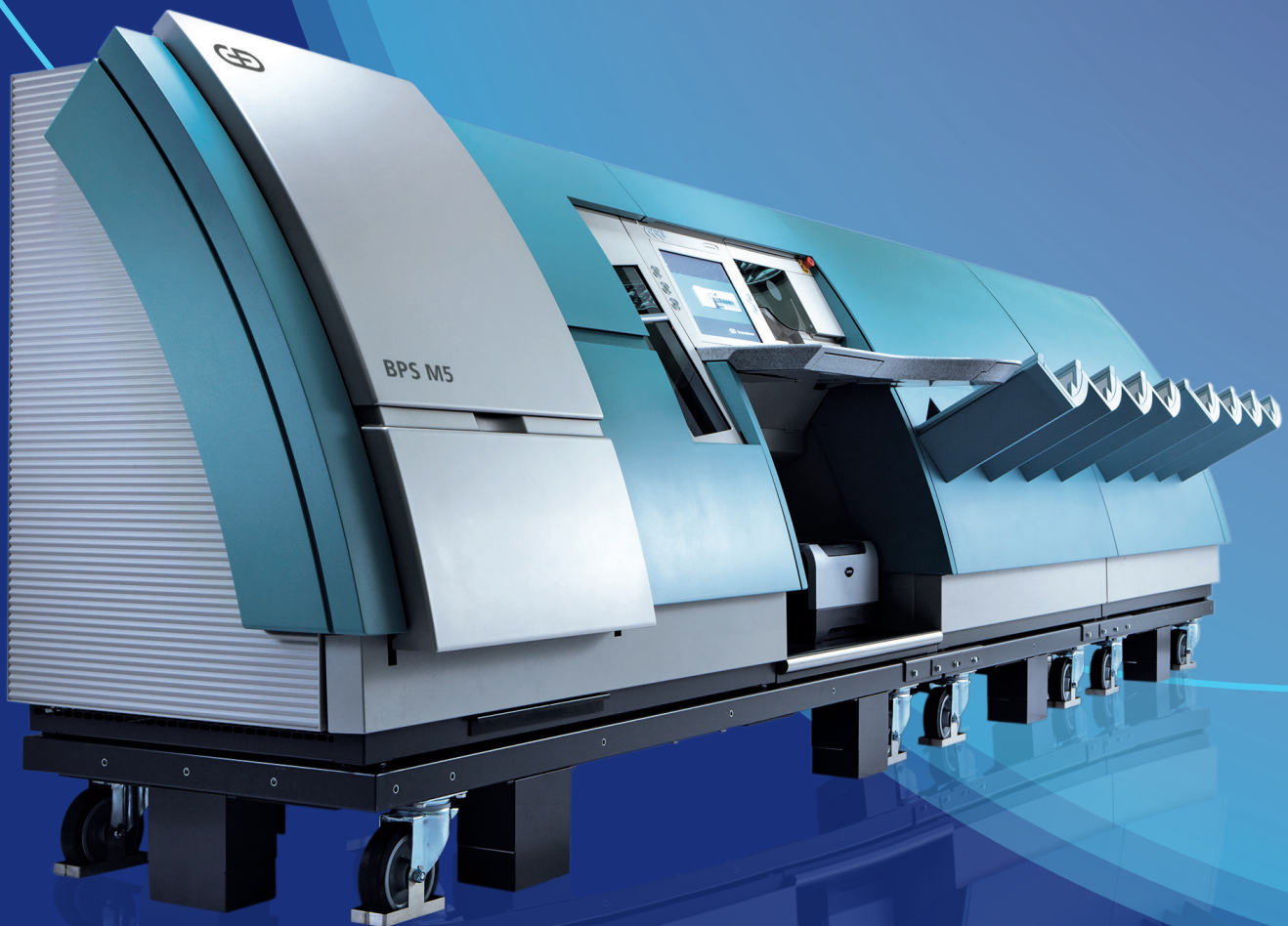




Giesecke+Devrient
Creating Confidence

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.

High speed with precision

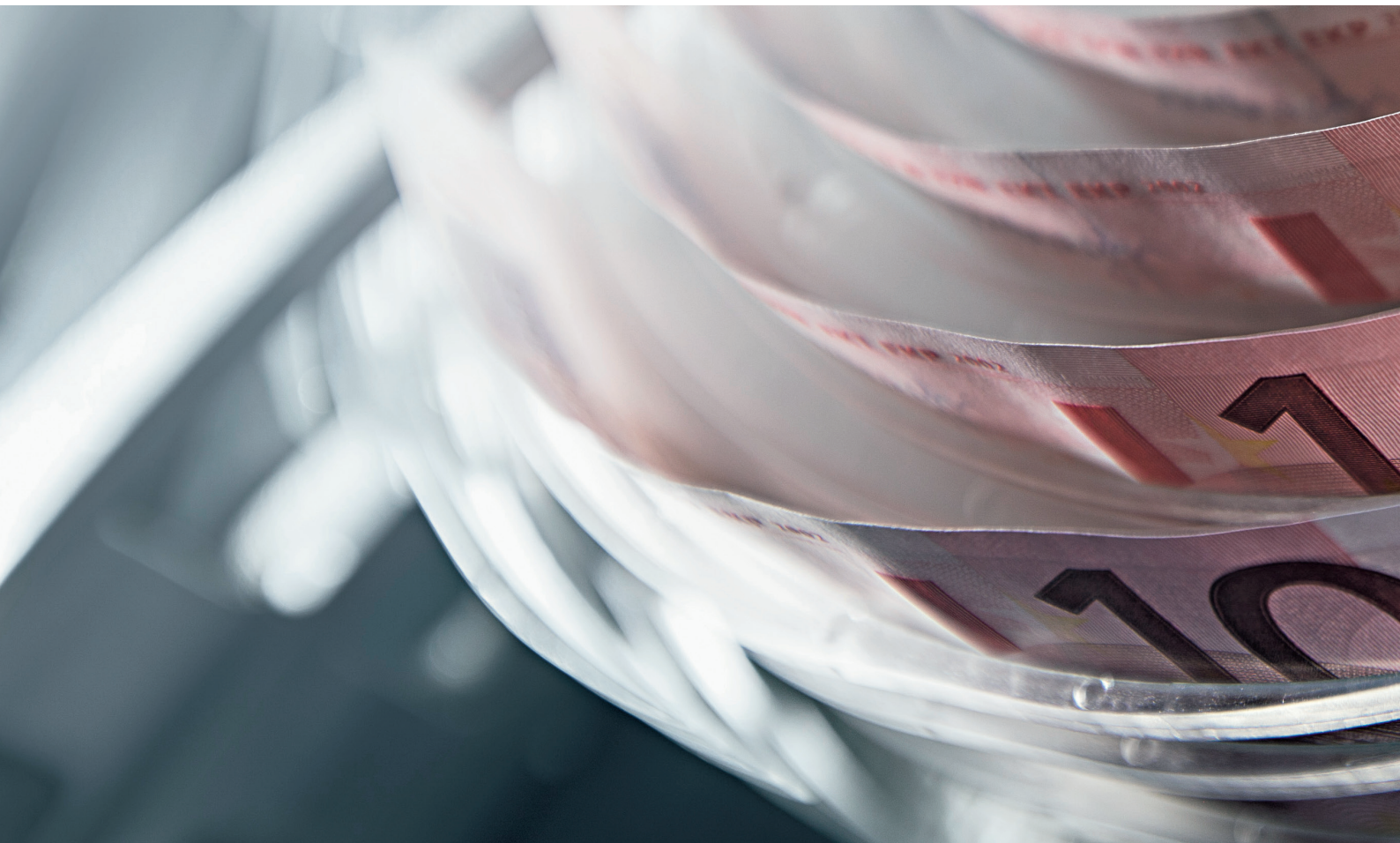
In one hour, up to 120,000 banknotes can be continuously processed, i.e., detected, sorted, and banded online, regardless of the banknote substrate.

Another key aspect is the system's extraordinary 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.



banknotes per hour are precisely, reliably,
and securely processed in continuous
operation – 24 hours a day, 7 days a week

120,000



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.



Top: output of bundler delivery modules

Left: Large Continuous Feeder (LCF)



The most important features at a glance

1

Throughput of up to 120,000 banknotes per hour

4

Modular design: up to five delivery modules, in any preferred combination (SDMs and LDMs)

2

Large feeding compartment with continuous singling (capacity of up to 4,000 banknotes)

5

User-friendly and intuitive operation and exception handling

3

Two different output modules:

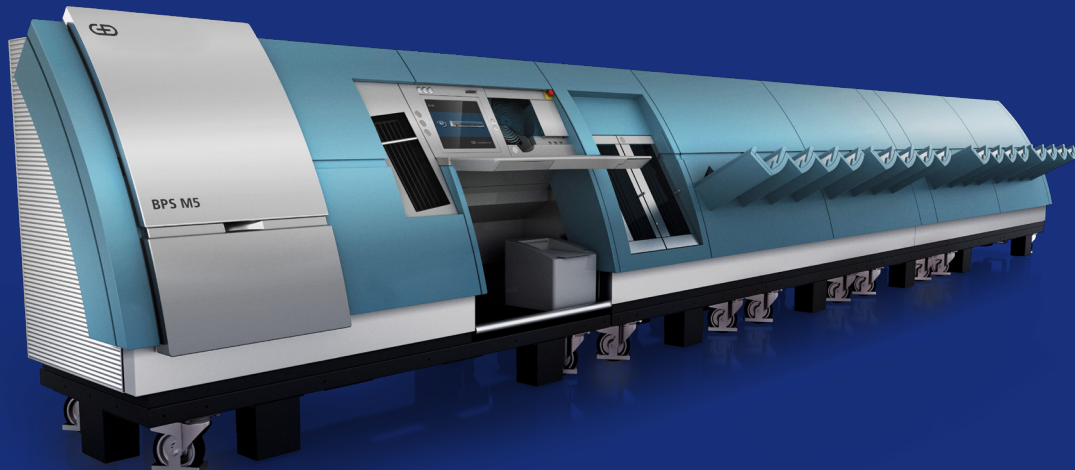
- ▶ Standard delivery modules (SDMs) with four stackers, each with bander
- ▶ Large delivery modules (LDMs) with a capacity of 2x2,000 loose banknotes

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



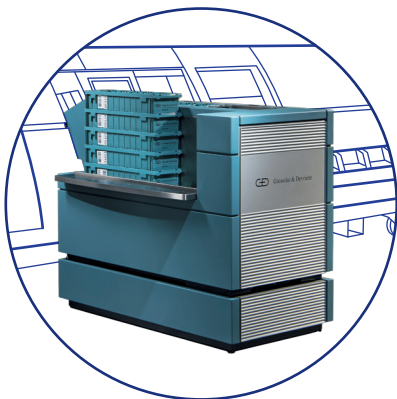
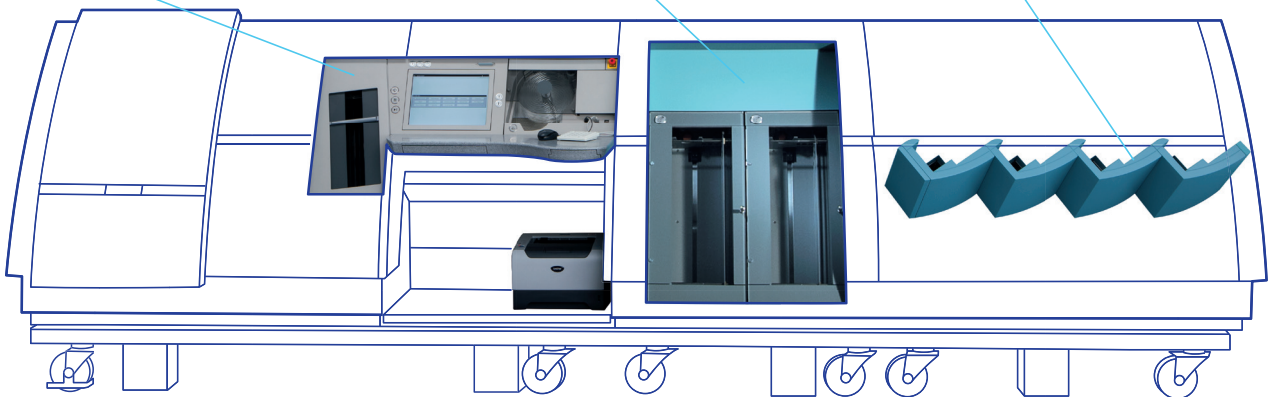
Meeting your current requirements – open for future developments

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

Input and operation module
with a large touch screen, Large Continuous Feeder (LCF) (input capacity of up to 4,000 banknotes), a reject compartment, and NotaScan sensors

Large Delivery Module (LDM)
for outputting loose banknotes. Capacity: 2x2,000 banknotes

Standard Delivery Module (SDM)
with four delivery stackers, each with one bander



NotaTracc for automated feeding (optional)

The NotaTracc loading system consists of a loading module (NotaTracc L) and special banknote containers (NotaTracc T). It enables the BPS M5 to be loaded automatically – and increases the loading capacity to up to 40,000 banknotes

NotaPack 10: the pioneering packaging solution (optional)

NotaPack 10 is the highly efficient solution for automated and tamper-proof banknote packaging. This very compact system processes 10 banknote bundles per minute. Cash centers also benefit from specific functions such as multi-currency packaging and dynamic label printing





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 products

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 up-time 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.

BPS ECO-SYSTEM: FUTURE-PROOF USE OF DIGITAL POTENTIAL

BPS Eco-System is an innovative portfolio of highly secure networked software products and web services that boost the efficiency of cash management and banknote processing



BPS ECO-PROTECT is an industry firewall that efficiently protects a BPS in a customer's environment against most malware attacks, and enables secure communication to and from the BPS



BPS ECO-REMOTE provides a highly secure remote management solution for BPS. It allows remote monitoring, performance management, diagnostics, and even software updates to be provided through G+D, or using in-house or third-party personnel, without local presence of a service engineer



COMPASS VMS (Vault Management System) is a comprehensive, process-oriented cash center management solution, enabling all of your cash management processes to be automated, optimized, and reliably monitored

Creating Confidence

Giesecke+Devrient (G+D) is a global security technology group headquartered in Munich. As a partner to organizations with highest demands, G+D engineers trust and secures essential values with its solutions. The company's innovative technology protects physical and digital payments, the connectivity of people and machines, the identity of people and objects, as well as digital infrastructures and confidential data.

G+D was founded in 1852. In the fiscal year 2020, the company generated a turnover of 2.31 billion euros with around 11,500 employees. G+D is represented by 74 subsidiaries and joint ventures in 32 countries.



Find more information
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www.gi-de.com

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All technical data subject to change

TECH FACTS

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

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

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

Weight (including caster platform):
BPS M5-12 ~ 1,870 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