



G+D
Currency Technology

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 Currency Technology 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

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.



120,000

BANKNOTES PER HOUR

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



Large Continuous Feeder (LCF)



Output of bundler delivery modules

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 (SDM) produce strapped packages of typically 100 banknotes on all stackers, while Large Delivery Modules (LDM) 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 5 modules and 20 stackers are possible, with 2 module types available: Standard Delivery Modules with 4 stackers and Large Delivery Modules with a 2 x 2,000 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 Headercard Process (HDP) for many smaller deposits and the Fast Deposit Process (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

5

User-friendly and intuitive operation and exception handling

2

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

6

Cutting-edge sensors (NotaScan) for reliable detection of fitness properties, authentication features, serial numbers, and much more

3

Two different output modules:

- Standard delivery modules (SDM) with 4 stackers, each with bander
- Large delivery modules (LDM) with a capacity of 2 x 2,000 loose banknotes

7

Designed for enabling further efficiency gains through advanced automation solutions such as the NotaTracc and NotaPack

4

Modular design: Up to 5 delivery modules, in any preferred combination (SDMs and LDMs)



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

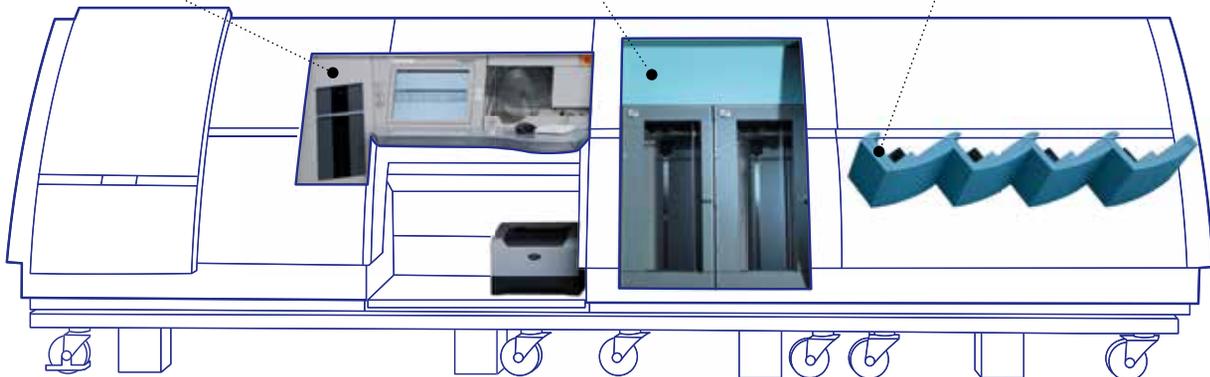
With a large touchscreen, Large Continuous Feeder (LCF) (input capacity: of up to 4,000 banknotes), a reject compartment and the sensor NotaScan InOne.

Large Delivery Module (LDM)

For outputting loose banknotes. Capacity: 2 x 2,000 banknotes.

Standard Delivery Module

With 4 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 ten 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 specialist advice and fully comprehensive service portfolio, G+D 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 individual needs, existing processes, special requirements, and the system environment. Based on this analysis, they work together with you to develop precisely the right solution to meet your needs.

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 up-to-date with frequent updates and upgrades – which can even boost productivity after installation.

G+D REMOTE SERVICE: THE FASTEST SOLUTIONS VIA REMOTE ACCESS

Use G+D remote services to optimize the 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.

BPS ECO-SYSTEM: FUTUREPROOF 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 which 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.

Securing Values: Giesecke+Devrient Currency Technology

G+D has played a significant role in advancing the development of banknotes since 1852 – and always with the aim of offering our customers a crucial advantage.

We are now an end-to-end provider for the whole cash cycle, and have unique and thorough expertise in each application area: from counterfeit-proof banknote design and highly efficient banknote processing, to reliable banknote destruction. This extensive knowledge is incorporated into everything we do for our customers.

Let's shape the future of the cash cycle together!

Ready for unmatched productivity?

Our experts look forward to showing you how you can make your processes even more efficient and future-proof – custom-tailored to your needs.

Let's talk!



Find more information
on our website:
www.gi-de.com/ct

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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 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	~ 1,870 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
	15–30°C
	Relative humidity
	30–80%
	Certificates
	CE, GS, UL