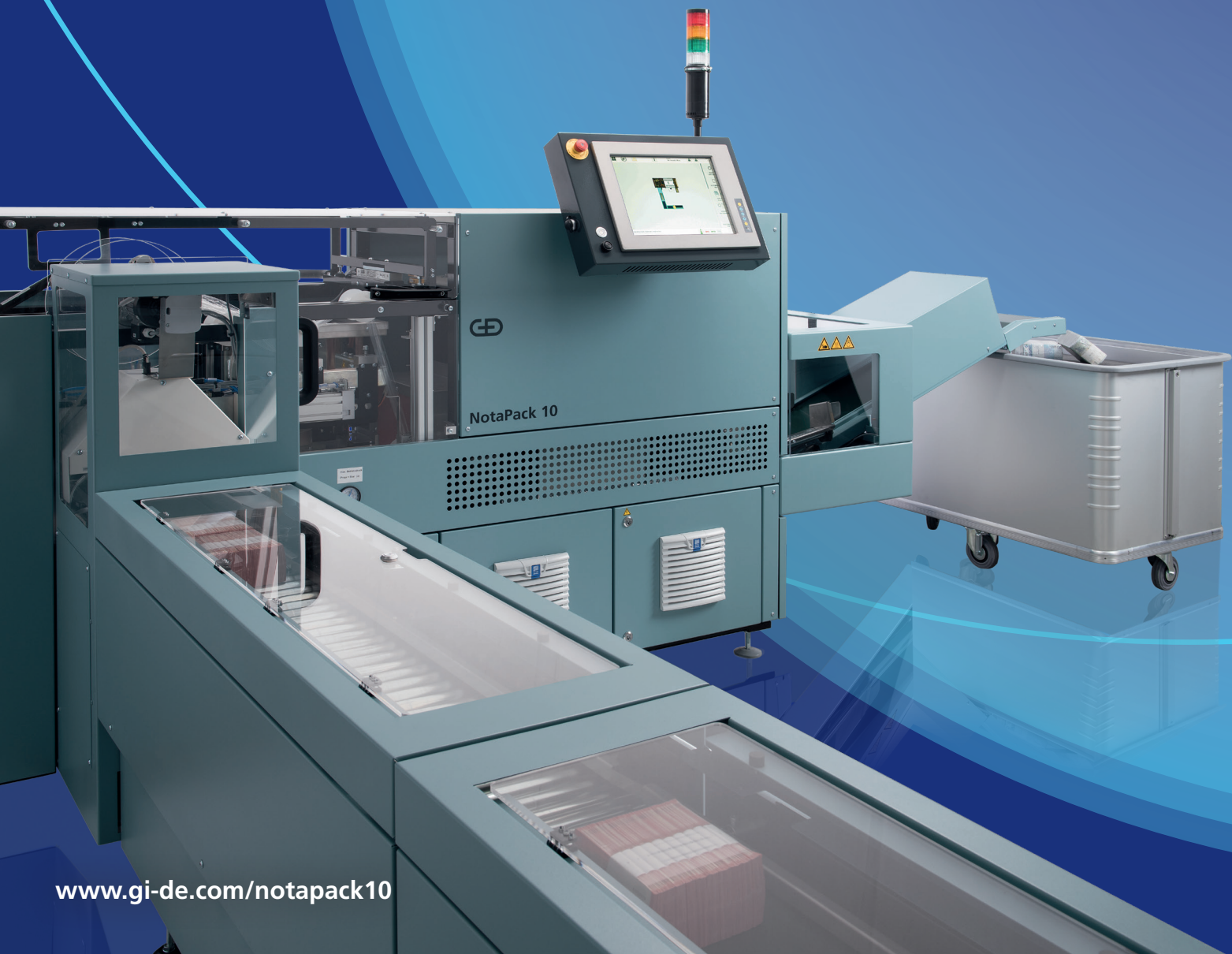




Giesecke+Devrient
Creating Confidence

NotaPack[®] 10

The benchmark for
banknote packaging in
the High-Speed World



www.gi-de.com/notapack10

Concentrated packaging power

NotaPack 10 is the leading banknote packaging system worldwide for cash centers and banknote printing works, engineered in particular for the demanding requirements of the industry. It is the flawless packaging solution for the BPS M3, M5, M7, and X9 High-Speed Systems, simultaneously offering high levels of security and efficiency to ensure an intelligent automation process

Phenomenal security

Three main factors drive a high level of security. First, intelligent features safeguard the unpackaged banknote bundle right up until it is fully shrink-wrapped. These include optical bundle inspection and advanced access protection facilitated by continuous conveyor covers with locks and log file writing (p. 4).

Then there's the L-bar sealing principle: a proven and reliable system for tamper-proof packaging of banknotes, and one that we have utilized for more than 15 years. Finally, excellent alignment with the BPS system, to guarantee fully secured banknotes throughout the entire automated end-to-end process.

Modular, compact, flexible

With a high level of product modularity and optimum flexibility as a result of over 30 different modules, NotaPack 10 can

fulfill all key customer requirements. It also offers integration of up to five BPS systems, and an extremely compact design that is suitable for very confined spaces (taking up floor space of just 2.3 m²).

Proven quality

For over 15 years, NotaPack has stood for the highest process security and quality in the field of banknote packaging, with more than 450 packaging systems installed in over 90 countries.

Fully automatic – fully integrated

The G+D High-Speed World is characterized by the perfect integration of every single element, so it is no surprise that NotaPack 10 is designed for perfect alignment and compatibility with BPS systems and G+D software. Thus, the ideally aligned end-to-end process with single-sourced equipment ensures outstanding efficiency and reliability.

Increased productivity – increased efficiency

NotaPack 10 packages up to 10 bundles of 500 or 1,000 banknotes per minute – quickly, reliably, and to a consistently high level of quality. The system's energy consumption is very low in comparison with other systems. These considerations make the NotaPack 10 a highly efficient, environmentally friendly system.

NotaPack is already used for packaging 137 billion banknotes every year, making it the leading banknote packaging system on the market

137 billion banknotes



High-tech solutions – tailor-made to suit your requirements

NotaPack 10 is a modular system that can be adjusted to suit a wide range of customer requirements. Here are just a few of the possible options available

Label printer and advanced label printing

For better tracking and greater transparency in post-processing: the label printer module can be enhanced with advanced functionality. This allows additional information to be printed on customized labels, such as quality category, denomination of the packaged banknotes, name and number of the BPS system, stacker number, or processing site. 2-D data matrix codes that hold specific information can also be printed for the purpose of further tracking, using the advanced function (optional)

Optical label inspection

A sensor checks the barcode or 2-D data matrix code on the printed label for quality and accuracy. If an error is detected, the system automatically reprints and reattaches the label (optional)

Bundle condition monitoring

Light barriers installed on the section on the conveyor or belts ensure that the banknote bundle remains intact throughout the process, before being securely shrink-wrapped

Large 15" touch screen

Central control and monitoring of the NotaPack 10. Very user-friendly graphical user interface (GUI) with central system overview and assistance in the event of issues

G+D Xpert

(interactive documentation) Users and service technicians can use the large touch screen to browse the NotaPack documentation for specific topics and keywords, enabling quick guidance and support (optional)

Supporting ergonomic working

In addition to the non-driven standard variant of the output module, a driven version is also available. This driven output module has an additional motor, and conveys the finished bundles to an ergonomic working height. This height also allows the bundles to drop into a spring-loaded transport trolley (optional)

Optical bundle inspection

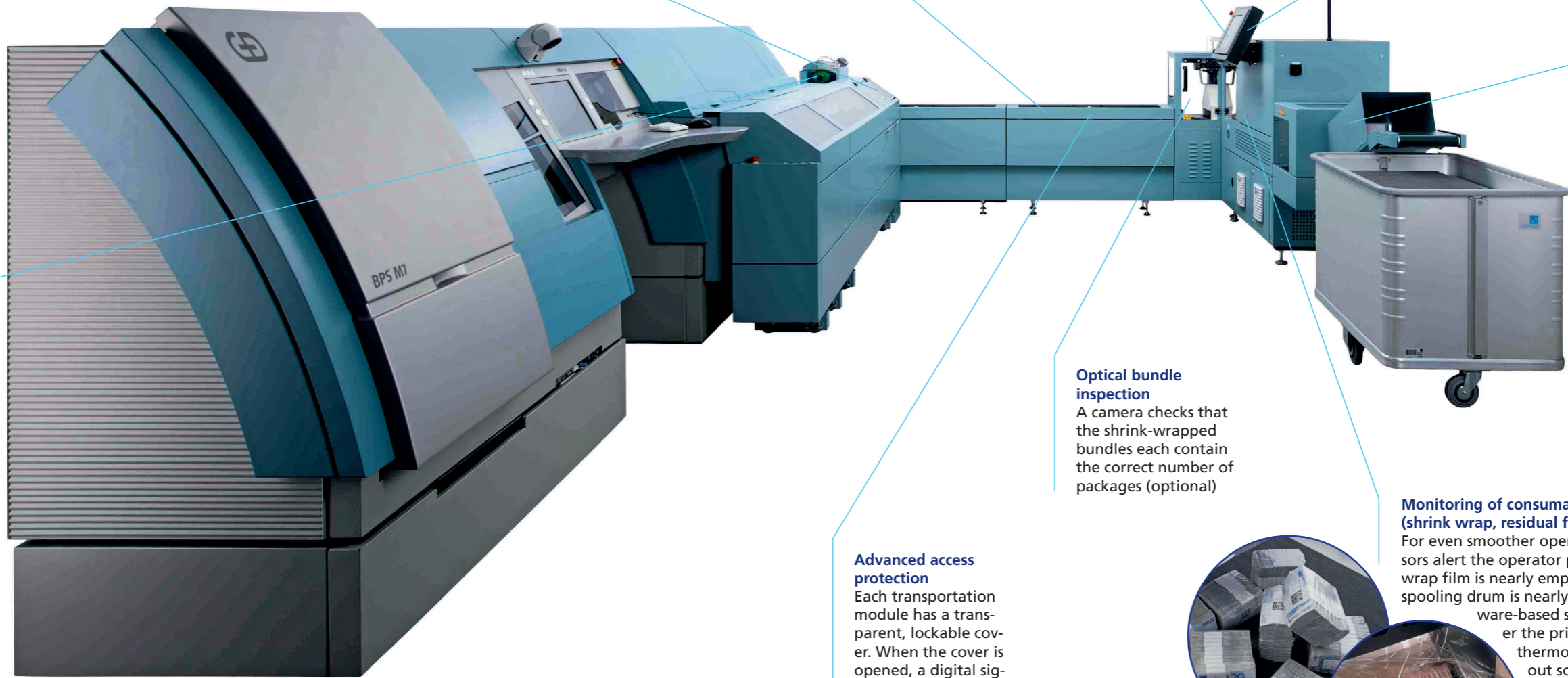
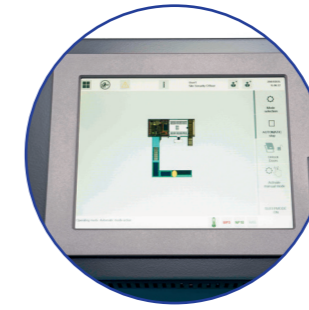
A camera checks that the shrink-wrapped bundles each contain the correct number of packages (optional)

Advanced access protection

Each transportation module has a transparent, lockable cover. When the cover is opened, a digital signal is automatically transmitted to the control panel and the related information is documented in the NotaPack log file

Monitoring of consumables (shrink wrap, residual film, and labels)

For even smoother operation: monitoring sensors alert the operator promptly if the shrink-wrap film is nearly empty or if the residual spooling drum is nearly full. In addition, a software-based solution monitors whether the printing labels and the thermotransfer ribbon will run out soon (optional)



The most important features at a glance

1

Leading banknote packaging system on the market – specifically optimized for use in cash centers and to meet the stringent requirements of banknote printers

2

Perfect integration into the G+D High-Speed World, and seamlessly compatible with BPS M and BPS X systems

3

Highest security standards – through continuous access protection, tamper-proof shrink-wrap packaging, and traceability functions

4

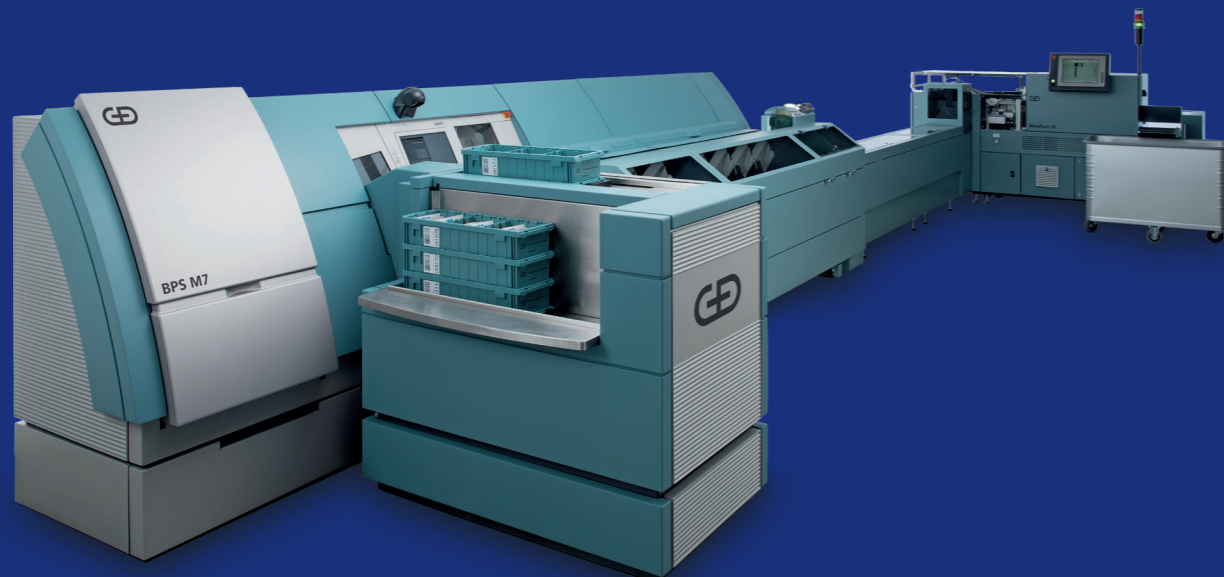
When combined with the NotaTracc loading module and NotaTracc trays, the NotaPack 10 enables full end-to-end automation of the entire banknote processing chain.

5

Highly modular system with numerous options for individual adjustments to fulfill customers' needs

6

Outstanding efficiency: fully automated packaging of up to 10 bundles per minute with very high availability



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 up to date 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.

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 CASH CENTER 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 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.



Find more information
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All technical data subject to change

TECH FACTS

Throughput:
up to 10 BN bundles/min
up to 10,000 BNs/min

Availability:
98%

Packaging technology:
L-bar sealing principle

FOR SHRINK-WRAPPING AND SEALING MODULE

Dimensions (H × W × D):
1,634 × 2,150 × 1,080 mm

Weight:
770 kg

Space requirements:
2.3 m²

Heat volume in operational state:
2.55 kW – peak at 5.0 kW

Constant emission sound pressure:
<70 dB(A)

Power supply:
3 AC 400 V N +/- 10 %, 50 Hz

Processable banknote substrates:
Cotton, polymer, and hybrid banknote substrates

Packaging material:
For shrink-wrapping, the packaging system uses a center-folded polyolefin (POF) film

Permitted bundle formats (L × W × H):
115–185 × 55–90 × 45–185 mm

GUI:

- Large 15" touchscreen
- Event messages and log file writing
- Digital overview of the whole NotaPack system on central operating panel
- USB and ethernet interface

AMBIENT WORKING CONDITIONS

Temperature:
18°C–30°C

Relative humidity:
40%–80%

Certificates:
CE, GS, ET (Eurotest)