



G+D
Currency Technology

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 that 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 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 to other systems. These considerations make the NotaPack 10 a highly efficient, environmentally friendly system.



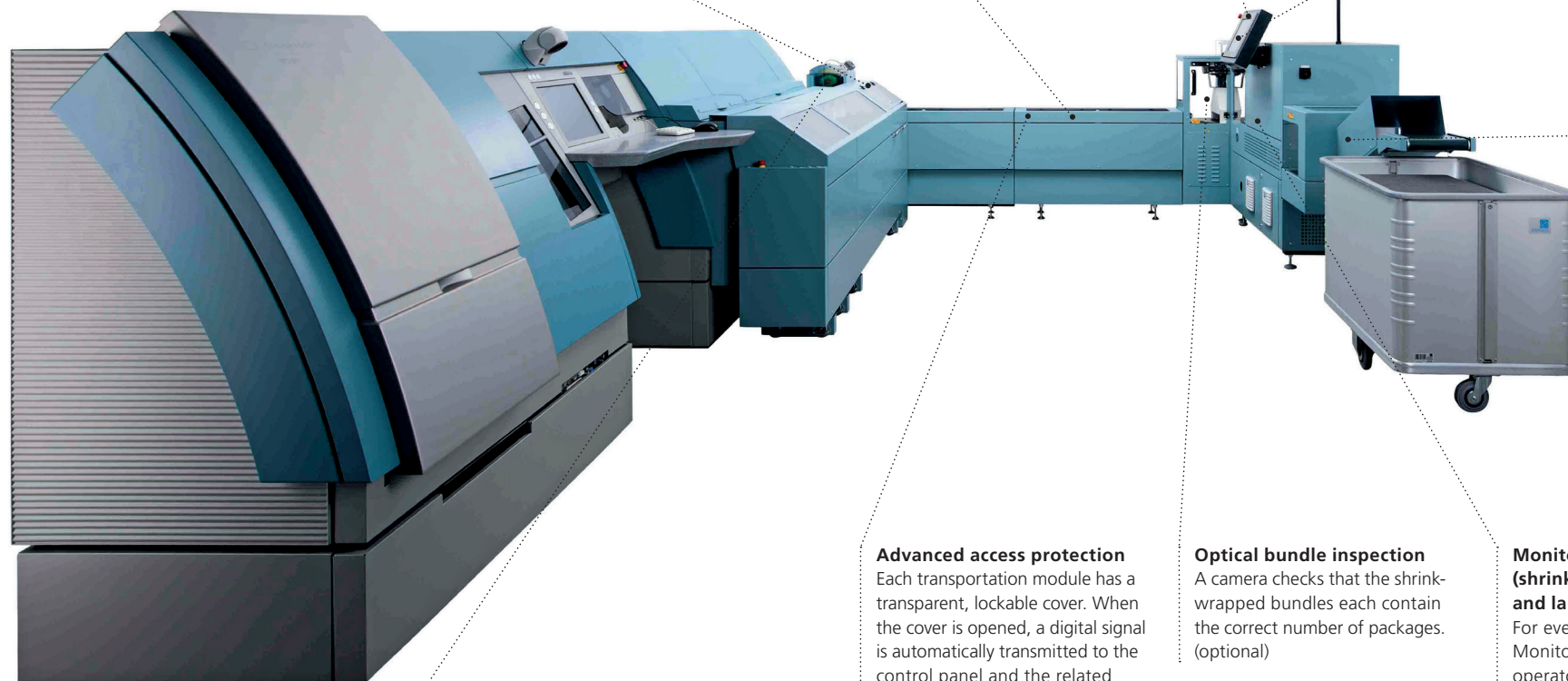
137

BILLION BANKNOTES

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

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.



Optical label inspection
A sensor checks the barcode or 2D 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 belts ensure that the banknote bundle remains intact throughout the process, before being securely shrink-wrapped.

Large 15" touchscreen
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 touchscreen 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)

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.

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

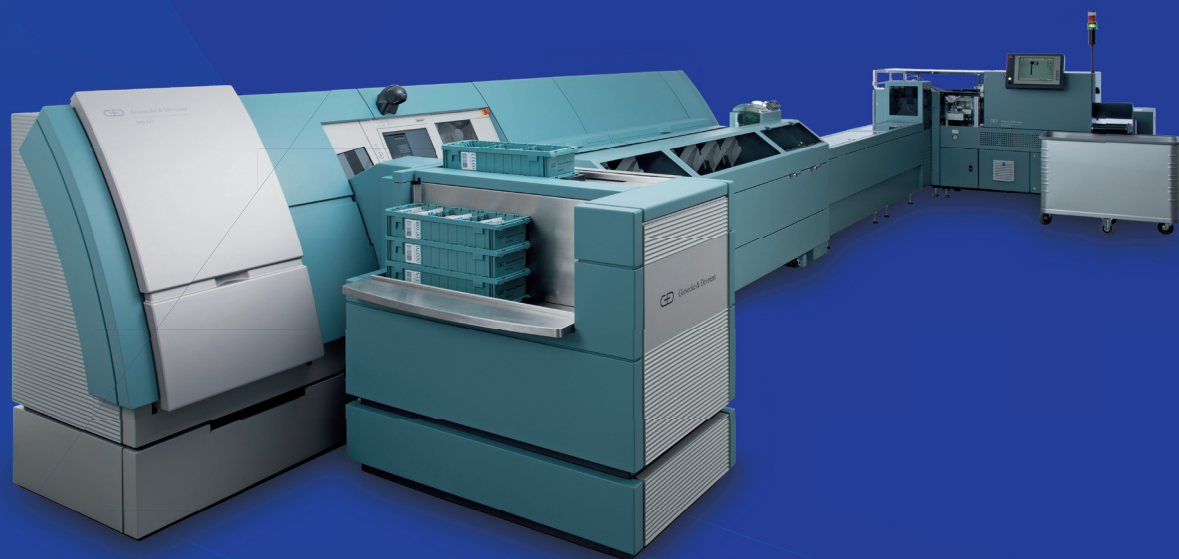
Monitoring of consumables (shrink-wrap, residual film, and labels)
For even smoother operation: Monitoring sensors alert the operator promptly if the shrink-wrap film is nearly empty or if the residual spooling drum is nearly full. In addition, a software-based solution monitors whether the printing labels and the thermo-transfer ribbon are running out soon. (optional)

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. 2D data matrix codes that hold specific information can also be printed for the purpose of further tracking, using the advanced function. (optional)



The most important features at a glance

- 1** Leading banknote packaging system on the market – specifically optimized for use in cash centers and 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 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-PROTECT provides a firewall for protecting G+D's systems from external intrusion of malware and minimizing their vulnerability. Allowing to keep the systems' service packages as well as the operating system always up to date.



BPS ECO-REMOTE provides a secure REMOTE ACCESS SOLUTION (RAS). G+D specialists quickly analyze the diagnosis data of the NotaPack 10 and solve the issue by means of assisted virtual help or remote action.



Compass VMS manages the end-to-end cash processing center operations. It automates, controls, and optimizes all processes within a typical cash center while maintaining complete flexibility.

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 the processes of the future?

Our experts will be delighted to give you a personal demonstration of how you can significantly increase the efficiency and security of your processes through intelligently automated banknote packaging.

Let's talk!



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

Giesecke+Devrient Currency Technology GmbH
Prinzregentenstrasse 159
P.O. Box 80 07 29
81607 Munich, Germany
Phone: +49 (0) 89 41190
Web: www.gi-de.com/ct

© Giesecke+Devrient Currency Technology GmbH, 2019
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 x W x D)

1,634 x 2,150 x 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 x W x H)

115–185 x 55–90 x 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

18–30 °C

Relative humidity

40–80%

Certificates

CE, GS, ET (Eurotest)