



Giesecke+Devrient

Training Catalog

Smart Service Solutions



www.gi-de.com



A range of experiences for all of your needs

At G+D we always strive for long-term customer satisfaction and a long life for your cash management systems and solutions. Highly skilled professionals are essential for achieving service excellence. So we constantly educate our technicians and service teams around the globe to the highest standards, and we also offer training to our customers and channel and service partners. We build on our unique expertise and people to deliver best value – in service and in training.

The G+D portfolio offers a wide range of banknote processing systems, from compact and easy-to-use banknote counters to high-speed systems offering maximum productivity and security. Such scalable solutions demand a scalable training portfolio. Whether you need to learn how to efficiently operate a compact banknote sorter or how to repair a high-speed banknote processing system, we have the right training course for you.

Cash is still the most widely used means of payment worldwide. At the same time, markets are changing and in an increasingly digitalized world we are facing new challenges but also exciting new possibilities. Software solutions and interconnected systems are becoming more and more important in the once hardware-centric world of banknote processing. The training portfolio you find in this catalog represents our response to these changes, in terms of training content but also with new digital training offers for self-paced learning. We are working hard on extending our digital training modules and will expand our eLearning portfolio step by step.

With our training program we will provide you with the expertise you need to take full advantage of the performance potential of your G+D solution. We are looking forward to welcoming you at one of our worldwide training centers – or in a virtual training experience!

Matthias Gukelberger, Global Vice President, Head of Business Line Global Service, Giesecke+Devrient Currency Technology



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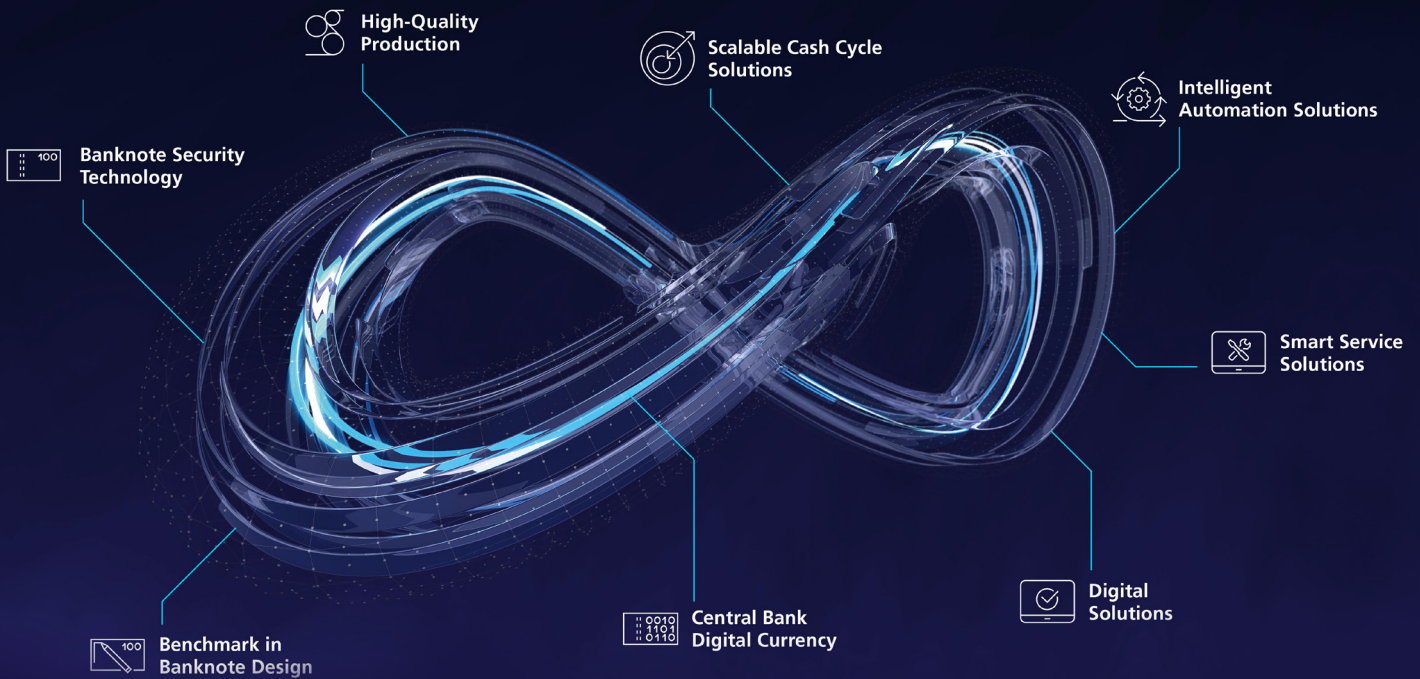
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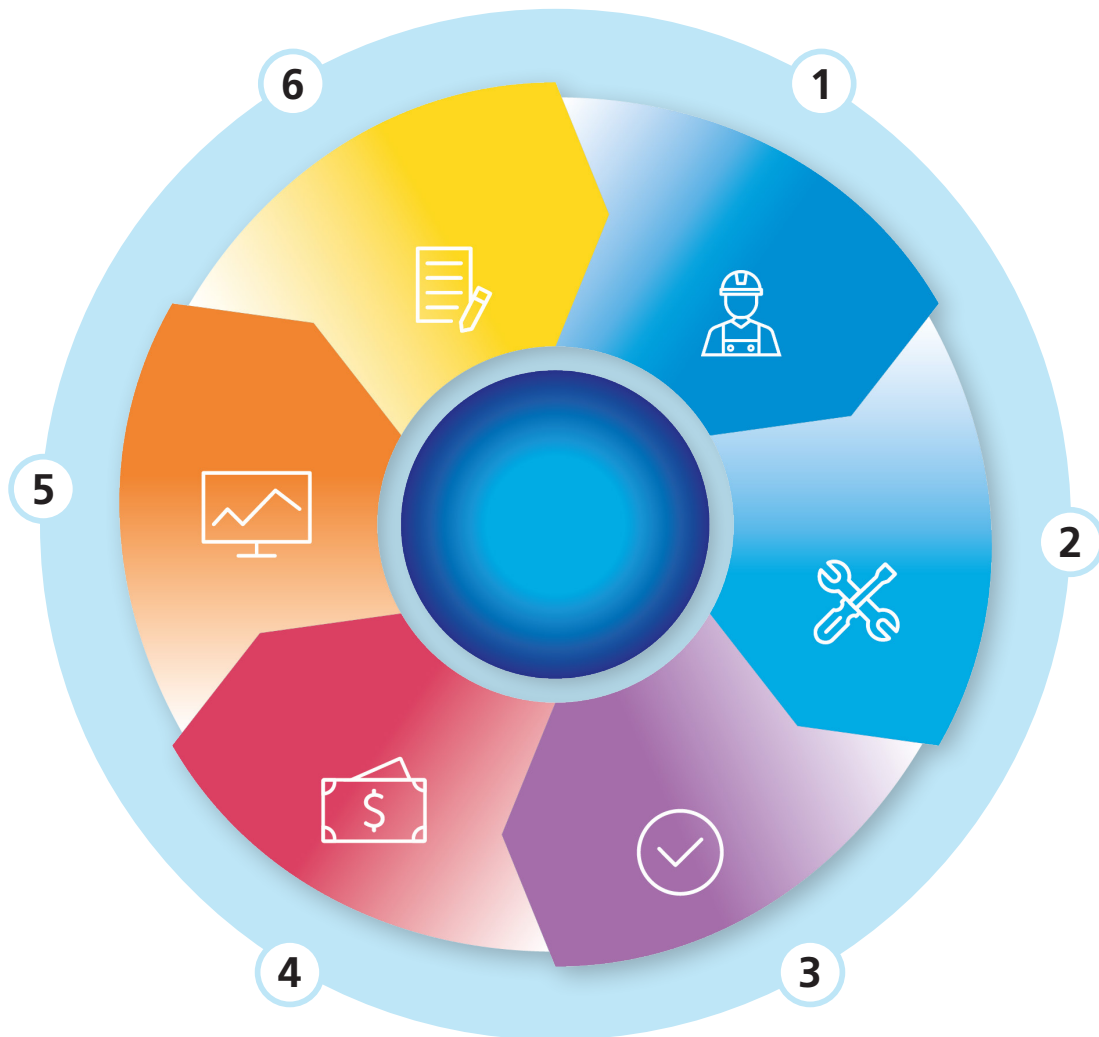
Expanding possibilities with Advanced Currency Management



G+D's Advanced Currency Management helps to ensure the entire currency cycle is as efficient and secure as possible. The holistic portfolio of physical and digital solutions seamlessly interconnect every player in the cash cycle. Each offering, from the latest in banknote design, security and technology to automation tools and a unique CBDC solution, is supported by almost 170 years of industry experience and engagement. Together, the solutions enable central and commercial banks, CITs and retailers to marry innovation with collaboration.

Smart service solutions for the entire lifecycle

From planning to monitoring ongoing operation: We offer premium support from a single source, throughout every phase of the product lifecycle.



1 PLAN & INSTALL

Our experts plan your G+D solution together with you; integrate it perfectly into your system landscape; and ensure smooth commissioning.

2 OPERATE & MAINTAIN

From preventive maintenance to peace of mind: G+D service packages are precisely tailored to suit your needs and budget (P. 6). We provide the genuine, manufacturer-certified spare parts you need – just in time.

3 SUPPORT & TRAINING

Reliable support: You can always count on our technical support team to be there for you – including with remote service on request. In addition, our experienced trainers will provide detailed, practical training in how to use your G+D system efficiently.

4 ADAPTATION

We ensure that your systems are always up-to-date – with respect to new banknote series and the identification of counterfeits.

5 MONITORING

Digital monitoring and data management solutions are drivers for greater system availability. G+D Remote Service also effectively contributes to your systems' consistent reliability.

6 UPGRADE & UPDATE

Regular updates, upgrades and overhauls on your hardware and software ensure that you're always up-to-date in terms of performance, efficiency, and security.



Training matrix

Depending on your needs, we have a range of training courses available for our cash management solutions. Operator requirements are different to those of supervisors, for example, and with this in mind, we have adapted our programs to best meet your demands.

	<i>Basic</i>	<i>Basic Technical</i>	<i>Upgrade</i>	<i>Advanced</i>	<i>Operator</i>	<i>Administrator</i>	<i>Supervisor</i>	<i>Installation</i>
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BPS M3		p. 29, 30	p. 31		p. 33	p. 27	p. 28	p. 32
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Our guided courses

We offer different types of training courses to make sure that the participants get exactly the level of knowledge they need. From basic technical training on our Banknote Processing Systems to advanced training providing in-depth knowledge for experienced personnel, we provide the right fit for your training needs.



→ Basic

Our basic training offers are the starting point for learning the principles of the related software (e.g. for the NotaMaster Image system). You will become self-reliant in the handling of the software and learn best practices on how to use it. Other basic training offers introduce you to essential topics of banknote processing.

→ Basic technical

Are you an experienced technician with solid knowledge of mechanics and electronics and want to become self-sufficient in maintaining, repairing and troubleshooting Banknote Processing Systems? Then our basic technical courses are the right fit for you.

→ Upgrade

You already have experience with the predecessor of a new Banknote Processing System? In an upgrade training course we build on this experience and teach you how to handle the new machine generation. Based on your previous experience with a predecessor machine, you will acquire the same level of knowledge and skills as in the basic technical course, but in a shorter timeframe.

→ Advanced

After completing a basic software course (NotaMaster Image system) and having worked with the software on your own to gain experience, you are ready to attend the advanced training to dive deeper into fine-tuning and tailoring the results to your individual needs.

→ Operator training

In the operator training courses you learn how to handle our machines during daily business. After attending the training, participants will be self-sufficient in banknote processing and will be able to identify and solve simple faults.

→ Administrator

Our administrator training courses focus on handling user rights and user access. Participants will also be able to identify and solve user access faults.

→ Supervisor

These training offers focus on the role of supervisor in the banknote processing. Participants will become self-sufficient in banknote processing, solving banknote recovery processes and interpreting reports.

→ Installation

This is a training offer specific to the BPS M3. Participants learn how to install the single modules of the machine and test the system.

Coin 200

Technical Videos

Field Engineers



→ Training goal

These videos shall provide information on replacing parts, self-learning, adjustment and software updates.

→ Training content

- Parts replacement
- Self-learning steps
- Adjustment work
- System reset
- Software update

→ Prerequisites

Thorough understanding of mechanics.



Languages

- English

Locations

- These videos are provided online

Course type

Online videos

Duration

Approx. 20 minutes

Minimum number of participants

n/a

Maximum number of participants

n/a

What you need to participate

PC or tablet with audio; reliable internet connection

Reference

CO2_10

SAP number

n/a

Want to register for the online training?

Contact us and register:

currency-technology-trainingcenter@gi-de.com

Coin 300

Technical Videos

Field Engineers



→ Training goal

These videos shall provide information on replacing parts, self-learning, adjustment and software updates..

→ Training content

- Parts replacement
- Self-learning steps
- Adjustment work
- Error Message
- Software update

→ Prerequisites

Thorough understanding of mechanics.



Languages

- English

Locations

- These videos are provided online

Course type

Online videos

Duration

25 minutes

Minimum number of participants

n/a

Maximum number of participants

n/a

What you need to participate

PC or tablet with audio; reliable internet connection

Reference

CO2_10

SAP number

n/a

Want to register for the online training?

Contact us and register:

currency-technology-trainingcenter@gi-de.com

ProNote 1.5/1.5F

Basic Technical

Field Engineers



→ Training goal

After completion of this training, the participants will be self-sufficient in banknote processing on the ProNote 1.5/1.5F. The participants will also be able to repair, adjust and maintain the ProNote 1.5/1.5F.

→ Prerequisites

Thorough understanding of mechanics, software and computers

→ Training content

- Sorting/counting
- Configuration and settings
- Software installation
- Calibration of sensors
- Raw data collection
- Disassembling, parts replacement, adjustment



Languages*

• English • German

Locations

• Dubai • Hong Kong
• Munich

Course type

Classroom training

Duration

2 days

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

A laptop with current Windows operating system and administrative rights and an SD card reader is needed.

Reference

PN_1C

SAP number

541729001

Want to register for the training?

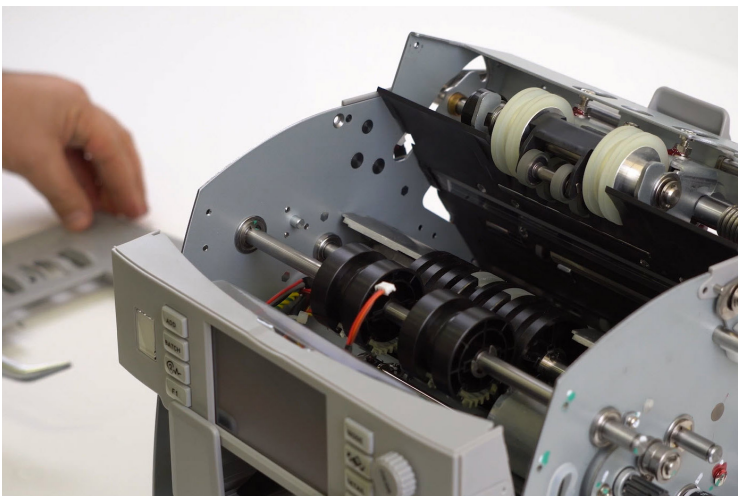
For contact information see [page 65](#).

*Available languages depend on training location

ProNote 1.5/1.5F

Technical Videos

Field Engineers



Languages

- English

Locations

- These videos are provided online

Course type

Online videos

Duration

40 minutes

Minimum number of participants

n/a

Maximum number of participants

n/a

What you need to participate

PC or tablet with audio; reliable internet connection

Reference

CO2_10

SAP number

n/a

→ Training goal

These videos shall provide information on removing and replacing parts, adjustment tasks and software updates..

→ Training content

- Removing of covers, boards and panel
- Replacing of battery and hardware parts
- Adjustment work
- Sorting
- Software update

→ Prerequisites

Thorough understanding of mechanics and software.

Want to register for the online training?

Contact us and register:

currency-technology-trainingcenter@gi-de.com

BPS C1

Basic Technical

Field Engineers



→ Training goal

After completion of this training, the participants will be self-sufficient in banknote processing on the BPS C1. The participants will also be able to repair, adjust and maintain the BPS C1.

→ Prerequisites

Thorough understanding of mechanics, software and computers

→ Training content

- Sorting/counting
- Configuration and settings
- Software installation
- End user tool
- Adaptation process
- Disassembling, parts replacement, adjustments
- Calibration of sensors

Want to register for the training?

For contact information see [page 65](#).



Languages*

- English
- German
- Spanish
- Portuguese

Locations

- Dubai
- Gurugram
- Hong Kong
- Madrid
- Mexico City
- Milton Keynes
- Munich
- São Paulo

Course type

Classroom training

Duration

2 days

Minimum number of participants

2

Maximum number of participants

4

What you need to participate

A laptop with current Windows operating system and administrative rights is needed.

Reference

BC1_1C

SAP number

541730001

*Available languages depend on training location

BPS C2

Operator Training Online

Operators, Supervisors and Field Engineers



→ Training goal

After completion of this training, participants will be able to operate the BPS C2 safely, using different operation modes.

→ Prerequisites

Initial experience of banknote processing; knowledge of basic banknote-related terms.

→ Training content

- Safety and proper use
- Structure of the user interface
- Operator mode menu
- Operation modes
- Preparing and processing banknotes
- Sorting and counting
- Deposit mode and reconciliation
- Payout mode
- Reports



Languages

- English

Locations

- This training is provided online

Course type

Online web-based training

Duration

Approx. 70 minutes

Minimum number of participants

n/a

Maximum number of participants

n/a

What you need to participate

PC or tablet with audio; reliable internet connection

Reference

BC2_10

SAP number

541731001

Want to register for the online training?

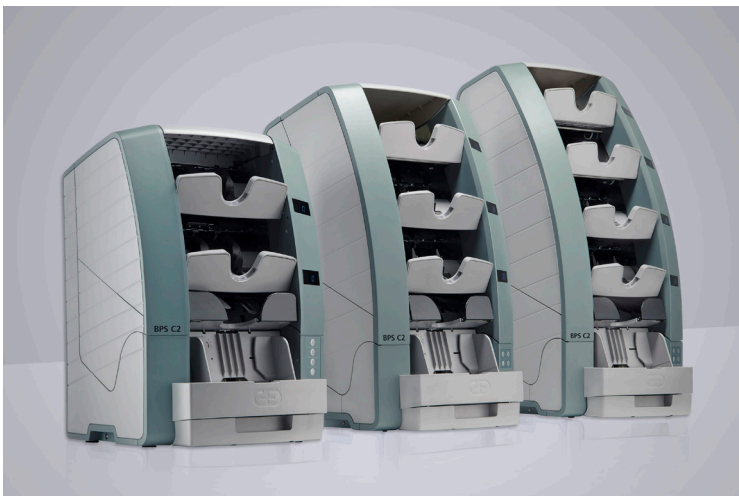
Contact us and register:

currency-technology-trainingcenter@gi-de.com

BPS C2

Supervisor Training Online

Supervisors and Field Engineers



Languages

- English

Locations

- This training is provided online

Course type

Online web-based training

Duration

Approx. 80 minutes

Minimum number of participants

n/a

Maximum number of participants

n/a

What you need to participate

PC or tablet with audio; reliable internet connection

Reference

BC2_20

SAP number

541732001

→ Training goal

In this training you will learn how to access and use the functions accessible in the supervisor mode to change settings on the BPS C2. You will be able to update configuration and language packages and troubleshoot malfunctions.

→ Training content

- Transport, site and facility
- Supervisor main menu
- System administration • Updates and configuration • System malfunctions

→ Prerequisites

Successful completion of the BPS C2 online Operator training.

Want to register for the online training?

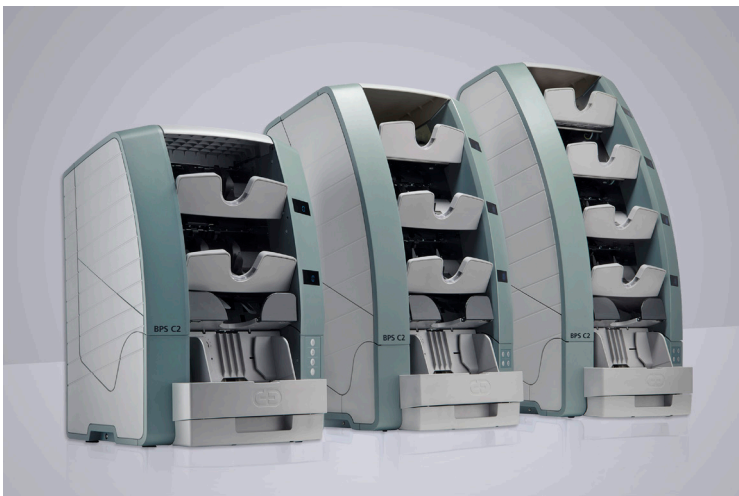
Contact us and register:

currency-technology-trainingcenter@gi-de.com

BPS C2

Software: Service Modes Online

Field Engineers



Languages

- English

Locations

- This training is provided online

Course type

Online web-based training

Duration

Approx. 80 minutes

Minimum number of participants

n/a

Maximum number of participants

n/a

What you need to participate

PC or tablet with audio; reliable internet connection

Reference

BC2_30

SAP number

541733001

→ Training goal

After completion of this training, participants will be able to use the options of the service menu for service tasks such as testing, adjusting and calibration.

→ Training content

- The Service menu options
- Service OP mode
- Transport and singler health
- Calibrating the MTS
- Sensor functions
- Tests and logs
- Updating software

→ Prerequisites

Experience with maintenance and repair of banknote processing systems; successful completion of the BPS C2 online Operator and Supervisor training.

Want to register for the online training?

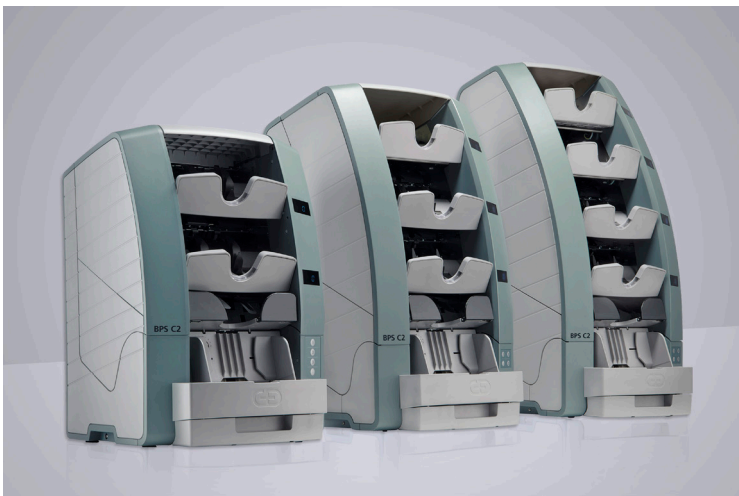
Contact us and register:

currency-technology-trainingcenter@gi-de.com

BPS C2

Maintenance and Repair Online

Field Engineers



Languages

- English

Locations

- This training is provided online

Course type

Online web-based training

Duration

Approx. 80 minutes

Minimum number of participants

n/a

Maximum number of participants

n/a

What you need to participate

PC or tablet with audio; reliable internet connection

Reference

BC2_40

SAP number

541734001

→ Training goal

In this training you will learn how to remove and replace different parts and assemblies of the BPS C2.

→ Prerequisites

Experience with maintenance and repair of banknote processing systems; successful completion of the BPS C2 online Operator, Supervisor and Software Service Modes training.

→ Training content

- Assembly overview
- Sensors overview
- Photo detectors overview
- Removing the covers
- Replacements in the singler module
- Removing the sensors
- Power supply and circuit boards
- Roller assemblies
- System adjustment
- Preventive maintenance

Want to register for the online training?

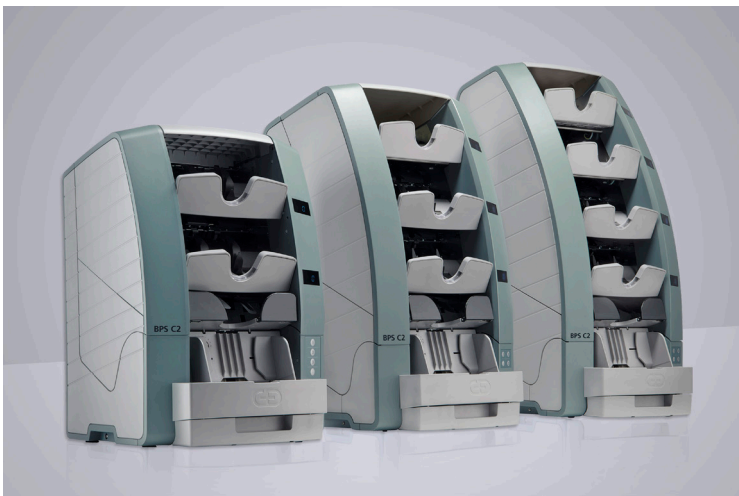
Contact us and register:

currency-technology-trainingcenter@gi-de.com

BPS C2

Raw Data Collection Online

Field Engineers and personnel tasked with raw data collection for BPS C2/BPS C5



Languages

- English

Locations

- This training is provided online

Course type

Online web-based training

Duration

Approx. 30 minutes

Minimum number of participants

n/a

Maximum number of participants

n/a

What you need to participate

PC or tablet with audio; reliable internet connection

Reference

BC2_50

SAP number

541735001

→ Training goal

After completion of this training, participants will be able to record raw banknote data with the BPS C2.

→ Training content

- Banknote characteristics
- Connecting a computer to the BPS C2
- Using the recording software
- Recording the raw data
- Visual review

→ Prerequisites

Knowledge of banknote sorting, handling of software with the MS Windows operating system and establishing network connections.

Want to register for the online training?

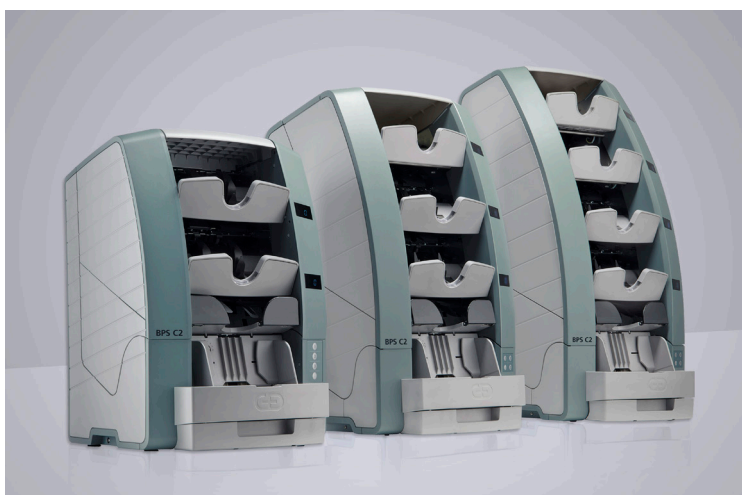
Contact us and register:

currency-technology-trainingcenter@gi-de.com

BPS C2

Basic Technical

Field Engineers



→ Training goal

After completion of this training, participants will be self-sufficient in banknote processing on the BPS C2 and will be able to repair, adjust and maintain the machine.

→ Prerequisites

Thorough understanding of mechanics, software and computers.

→ Training content

- The modules
- Getting the BPS C2 operational
- Software installation
- BPS Eco Configurator
- Assembling/disassembling
- Adjustments and calibration
- Trouble shooting
- Reporting

Want to register for the training?

For contact information see [page 65](#).



Languages*

- English
- German
- Spanish
- Portuguese

Locations

- Dubai
- Gurugram
- Hong Kong
- Johannesburg
- Madrid
- Mexico City
- Milton Keynes
- Munich
- São Paulo

Course type

Classroom training

Duration

3 days

Minimum number of participants

2

Maximum number of participants

4

What you need to participate

A laptop with current Windows operating system and administrative rights is needed.

Reference

BC2_1C

SAP number

541736001

*Available languages depend on training location

BPS C4

Basic Technical

Field Engineers



Languages*

- English • German
- Spanish • Portuguese

Locations

- Dubai • Gurugram
- Hong Kong
- Johannesburg
- Madrid • Mexico City
- Milton Keynes
- Munich • São Paulo

Course type

Classroom training

Duration

8 days

Minimum number of participants

2

Maximum number of participants

4

What you need to participate

A laptop with current Windows operating system and administrative rights is needed.

Reference

BC4_1C

SAP number

541737001

*Available languages depend on training location

→ Training goal

After completion of this training, participants will be self-sufficient in banknote processing on the BPS C4 and will be able to repair and maintain the machine.

→ Prerequisites

Technical understanding of mechanics, software and computers. Initial experience in banknote processing.

→ Training content

• Safety and proper use • User operation training • System operation • Repair, removals and adjustments • Electric and electronic systems • System software • Service tools and troubleshooting • System maintenance

Want to register for the training?

For contact information see [page 65](#).

BPS C4

Upgrade BPS 200 to BPS C4

Field Engineers with BPS 200 experience



Languages*

- English • German
- Spanish • Portuguese

Locations

- Dubai • Gurugram
- Hong Kong
- Johannesburg
- Madrid • Mexico City
- Milton Keynes
- Munich • São Paulo

Course type

Classroom training

Duration

3 days

Minimum number of participants

2

Maximum number of participants

4

What you need to participate

A laptop with current Windows operating system and administrative rights is needed. 64 GB USB flash drive.

Reference

BC4_2C

SAP number

541738001

*Available languages depend on training location

→ Training goal

The participants will learn the differences between the BPS 200 and the BPS C4. After completion of this training, participants will be self-sufficient in banknote processing on the BPS C4. They will also be able to repair and maintain the machine.

→ Training content

- Menus • OMOCO • Software installation and update
- Troubleshooting • Practical tasks

→ Prerequisites

Good technical understanding of mechanics; good knowledge of computers and software; thorough knowledge of the BPS 200.

Want to register for the training?

For contact information see [page 65](#).

BPS C5

Basic Technical

Field Engineers



→ Training goal

After completion of this training, the participants will be self-sufficient in the operation, repair, maintenance and troubleshooting of the mechanical and electrical systems of the BPS C5.

→ Prerequisites

Technical understanding of mechanics, software, computers and banknote processing.

→ Training content

- The modules
- Getting the BPS C5 operational
- Software installation
- BPS Eco Configurator
- Assembling/disassembling
- Adjustments and calibration
- Troubleshooting
- Reporting

Want to register for the training?

For contact information see [page 65](#).



Languages*

- English
- German
- Spanish
- Portuguese

Locations

- Dubai
- Gurugram
- Hong Kong
- Johannesburg
- Madrid
- Mexico City
- Milton Keynes
- Munich
- São Paulo

Course type

Classroom training

Duration

4 days

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

A laptop with current Windows operating system and administrative rights is needed. 64 GB USB flash drive.

Reference

BC5_1C

SAP number

541739001

*Available languages depend on training location

BPS C6

Basic Technical

Field Engineers



→ Training goal

After completion of this training, the participants will be self-sufficient in the operation, repair, maintenance and troubleshooting of the mechanical and electrical systems of the BPS C6.

→ Prerequisites

Technical understanding of mechanics, software, computers and banknote processing.

→ Training content

- Licensing • Operation • Software and adaptation installation
- Assembling/disassembling
- Adjustments • Troubleshooting
- Raw data collection • Reporting



Languages*

- English • German

Locations

- Dubai • Gurugram
- Hong Kong • Munich

Course type

Classroom training

Duration

5 days

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

A laptop with current Windows operating system and administrative rights is needed. 64 GB USB flash drive.

Reference

BC6_1C

SAP number

541740001

Want to register for the training?

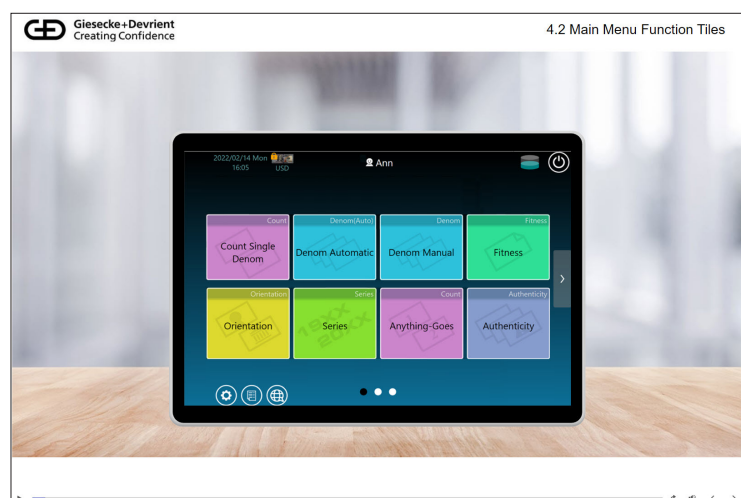
For contact information see [page 65](#).

*Available languages depend on training location

BPS C6

Operator Training Online

Operators, Supervisors and Field Engineers



→ Training goal

After completion of this training, participants will be able to operate the BPS C6 safely, using different operation modes.

→ Training content

• Safety and proper use • GUI Main Menu • Operation Modes • Sorting • Reconciliation • Cleaning • Jam Recovery • Reports

→ Prerequisites

Initial experience of banknote processing; knowledge of basic banknote-related terms.



Languages

- English

Locations

- This training is provided online

Course type

Online web-based training

Duration

Approx. 3 hours

Minimum number of participants

n/a

Maximum number of participants

n/a

What you need to participate

PC or tablet with audio; reliable internet connection

Reference

BC6_10

SAP number

546214001

Want to register for the online training?

Contact us and register:

currency-technology-trainingcenter@gi-de.com

BPS C6

License Key Activation

Field Engineers setting up BPS C6 for end users



Languages

- English

Locations

- This training is provided online

Course type

Online web-based training

Duration

Approx. 20 minutes

Minimum number of participants

n/a

Maximum number of participants

n/a

What you need to participate

PC or tablet with audio; reliable internet connection

Reference

BC6_10

SAP number

541741001

→ Training goal

After completion of this training, the participants will be able to request and activate license keys for the BPS C6 sorter apps.

→ Training content

- Background information
- Requesting a license key
- Activating the license key on the BPS C6

→ Prerequisites

Understanding of the BPS C6 software.

Want to register for the online training?

Contact us and register:

currency-technology-trainingcenter@gi-de.com

BPS 1000

Basic Technical

Field Engineers



Languages

- English

Locations

- Dulles, VA

Course type

Classroom training

Duration

3 weeks

Minimum number of participants

2

Maximum number of participants

4

What you need to participate

A laptop with current Windows operating system and administrative rights; 64 GB USB flash drive; Ethernet crossover cable

Reference

B10_1C

SAP number

541742001

→ Training goal

After completion of this training, the participants will be self-sufficient in the repair, maintenance and troubleshooting of the mechanical, electrical and pneumatic systems of the BPS 1000.

→ Prerequisites

Thorough understanding of mechanics, software and computers

→ Training content

- System overview • Processing basics • Reporting system
- Configuration and administration
- Software tools • Mechanical system • Electrical system
- Pneumatic system • Sensor system • Software system
- System maintenance • Faults and troubleshooting

Want to register for the training?

For contact information see [page 65](#).



Mark Runholt

M-series and C-series instructor,
Dulles, USA

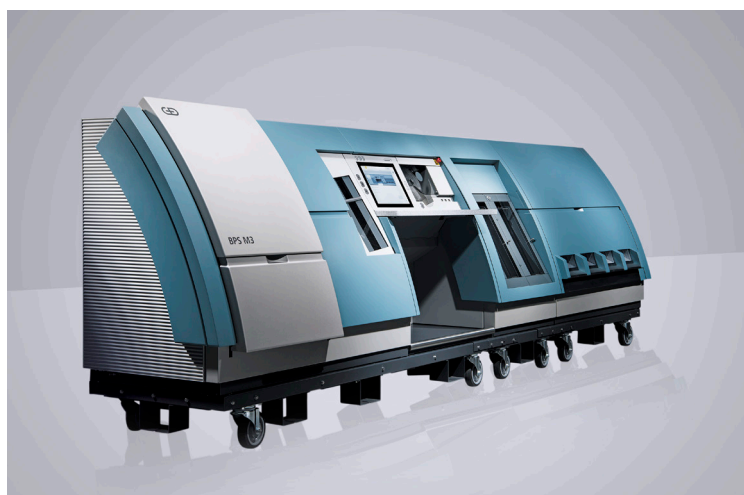


»Welcome to GDCTAI Training! Our knowledgeable and friendly staff – with 40+ years of experience – provides practical and professional training to ensure field readiness in every possible situation. Our goal is to deliver specialized knowledge and world class service to all that come through our training center.«

BPS M3

Operator Training

Operators



→ Training goal

After completion of this training course, the participants will be self-sufficient in banknote processing on the BPS M3. They will also be able to identify and solve simple faults.

→ Prerequisites

Basic knowledge of IT systems and operation.

→ Training content

- System overview
- Power on and log on
- Banknote processing
- Recovery procedure
- Practical exercise



Languages

- English
- German

Locations

- Munich

Course type

Classroom training

Duration

2 days

Minimum number of participants

3

Maximum number of participants

5

Reference

BM3_1C

SAP number

541743001

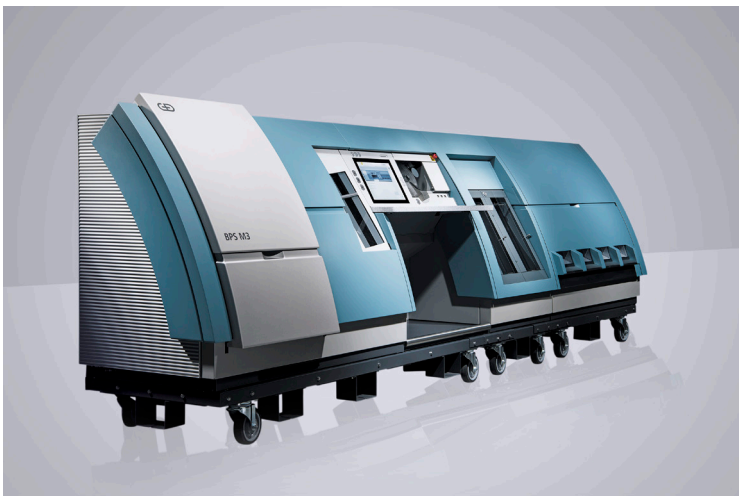
Want to register for the training?

For contact information see [page 65](#).

BPS M3

Administrator Training

Administrators



Languages

• English • German

Locations

• Munich

Course type

Classroom training

Duration

2 days

Minimum number of participants

3

Maximum number of participants

5

Reference

BM3_2C

SAP number

541730001

→ Training goal

After completion of this training course, the participants will be self-sufficient in the administration of the BPS M3. They will also be able to identify and solve simple user access faults.

→ Training content

- System overview
- Power on and log on
- Banknote processing
- Reject handling
- Manage user rights
- Create Opmodes

→ Prerequisites

Knowledge of banknote processing.

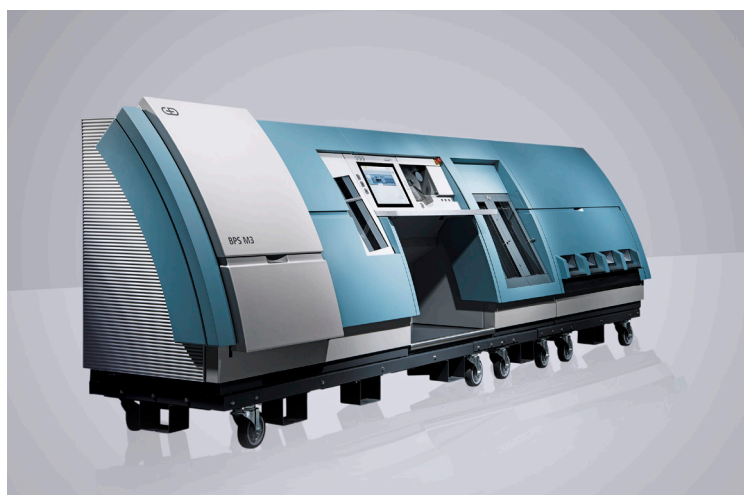
Want to register for the training?

For contact information see [page 65](#).

BPS M3

Supervisor/Manager Training

Supervisors and Managers



→ Training goal

After completion of this training course, the participants will be self-sufficient in banknote processing on the BPS M3. They will also be able to solve banknote recovery processes, interpret reports and logs, identify and solve simple operating failures.

→ Prerequisites

Knowledge of banknote processing.

→ Training content

- System overview
- Banknote processing
- Reporting system
- Configuration
- Manage user rights
- Create Opmodes
- Procedures for unexpected events



Languages

- English
- German

Locations

- Munich

Course type

Classroom training

Duration

3 days

Minimum number of participants

3

Maximum number of participants

5

Reference

BM3_3C

SAP number

541730001

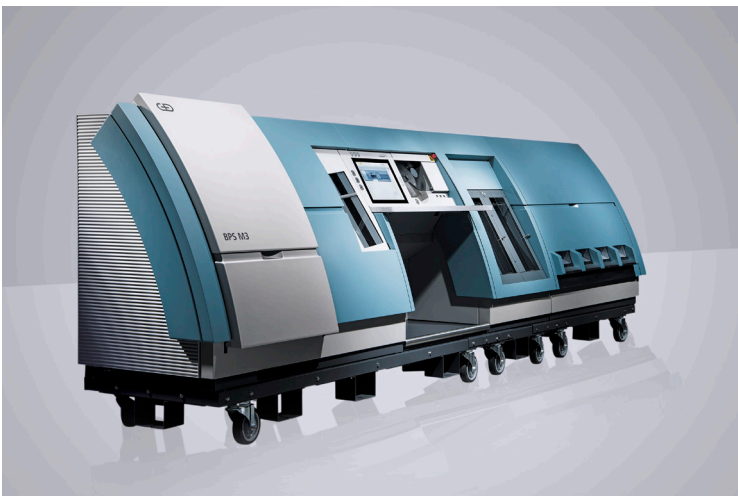
Want to register for the training?

For contact information see [page 65](#).

BPS M3

Basic Technical

Field Engineers



Languages*

• English • German

Locations

• Dulles, VA • Munich

Course type

Classroom training

Duration

2 weeks

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

A laptop with current Windows operating system and administrative rights is needed. 64 GB USB flash drive.

Reference

BM3_4C

SAP number

541730001

→ Training goal

After completion of this training, the participants will be self-sufficient in the repair, maintenance and troubleshooting of the mechanical, electrical and pneumatic systems of the BPS M3.

→ Prerequisites

Technical understanding of mechanics, software, computers and banknote processing.

→ Training content

- System overview
- Processing basics
- Reporting system
- Configuration and administration
- Software tools
- Mechanical system
- Electrical system
- Pneumatic system
- Sensor system
- Software system
- System maintenance
- Faults and troubleshooting

Want to register for the training?

For contact information see [page 65](#).

*Available languages depend on training location

BPS M3 with NotaTracc L

Basic Technical

Field Engineers



Languages

- English

Locations

- Dulles, VA

Course type

Classroom training

Duration

2 weeks and 2 days

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

A laptop with current Windows operating system and administrative rights is needed. 64 GB USB flash drive.

Reference

BM3_5C

SAP number

541754001

→ Training goal

After completion of this training, the participants will be self-sufficient in the repair, maintenance and troubleshooting of the mechanical, electrical and pneumatic systems of the BPS M3, together with the NotaTracc L Module.

→ Prerequisites

Technical understanding of mechanics, software, computers and banknote processing.

→ Training content

- System overview • Processing basics • Reporting system
- Configuration and administration
- Software tools • Mechanical system • Electrical system
- Pneumatic system • BPS interface and connections • Changes in singler area • Mechanical transport sequence • Mechanical adjustments
- Sensor system • Software system
- System maintenance • Faults and troubleshooting

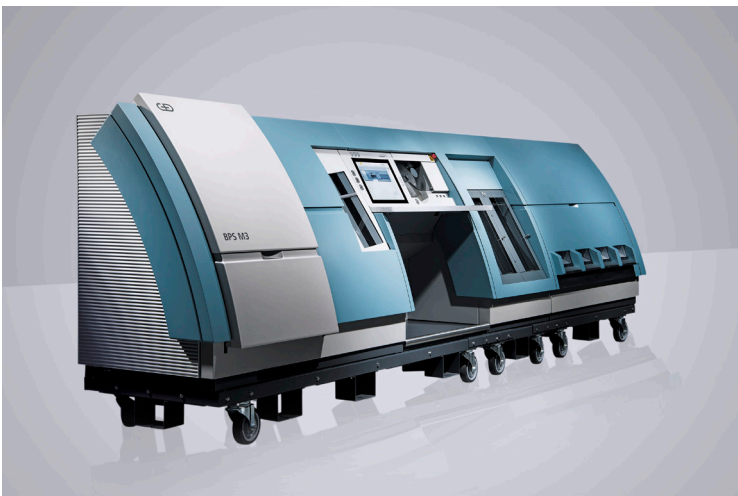
Want to register for the training?

For contact information see [page 65](#).

BPS M3

Upgrade BPS 1000/M5/M7 to BPS M3

Field Engineers



Languages*

• English • German

Locations

• Dulles, VA • Munich

Course type

Classroom training

Duration

4 days

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

A laptop with current Windows operating system and administrative rights is needed. 64 GB USB flash drive.

Reference

BM3_6C

SAP number

541748001

→ Training goal

The participants will learn the differences between the BPS 1000 and the BPS M3. Participants will be self-sufficient in the repair, maintenance and troubleshooting of the mechanical, electrical and pneumatic systems of the BPS M3.

→ Training content

• System overview • Module-specific modifications • Software structure • Software tools • Faults and troubleshooting

→ Prerequisites

Thorough knowledge of the BPS 1000.

Want to register for the training?

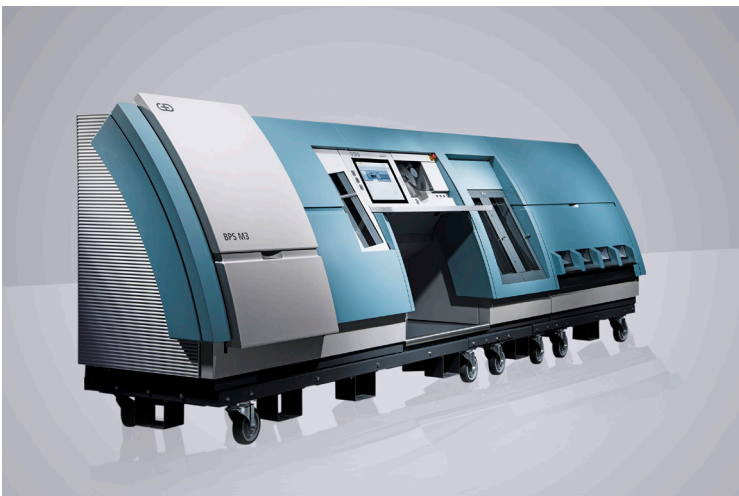
For contact information see [page 65](#).

*Available languages depend on training location

BPS M3

Installation Training

Field Engineers



→ Training goal

Participants are able to unpack the machine and install all modules in the right order. After the installation they are able to test the system.

→ Prerequisites

Technical understanding of mechanics, software, computers and banknote processing.

→ Training content

- Site and facility requirements
- Module descriptions • Unpacking modules • Mounting • Connection of compressed and suction air
- Power connection • System test



Languages*

- English • German

Locations

- Dulles, VA • Munich

Course type

Classroom training

Duration

2 days

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

If available (not mandatory): A laptop with current Windows operating system and administrative rights is needed. 64 GB USB flash drive.

Reference

BM3_7C

SAP number

541749001

Want to register for the training?

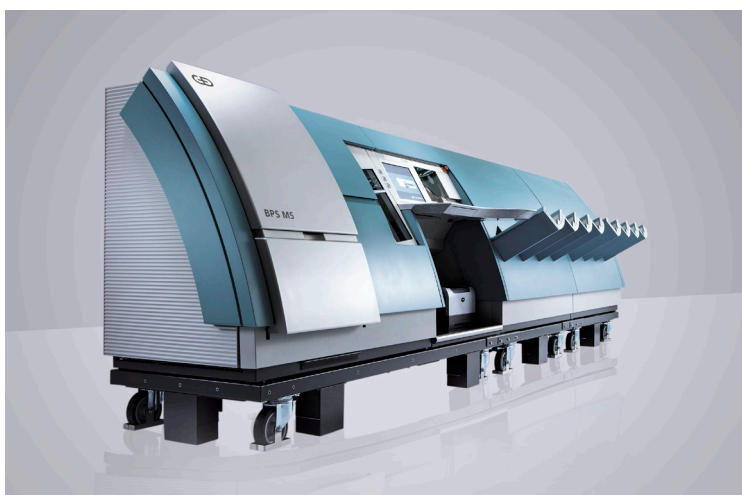
For contact information see [page 65](#).

*Available languages depend on training location

BPS M5

Operator Training

Operators



→ Training goal

After completion of this training course, the participants will be self-sufficient in banknote processing on the BPS M5. They will also be able to identify and solve simple faults.

→ Prerequisites

Basic knowledge of IT systems.

→ Training content

- System overview
- System start and log on
- Banknote processing
- Recovery procedure
- Practical exercises



Languages*

- English
- German
- Portuguese

Locations

- Dubai
- Hong Kong
- Mexico City
- Milton Keynes
- Munich
- São Paulo

Course type

Classroom training

Duration

3 days

Minimum number of participants

3

Maximum number of participants

5

Reference

BM5_1C

SAP number

541750001

Want to register for the training?

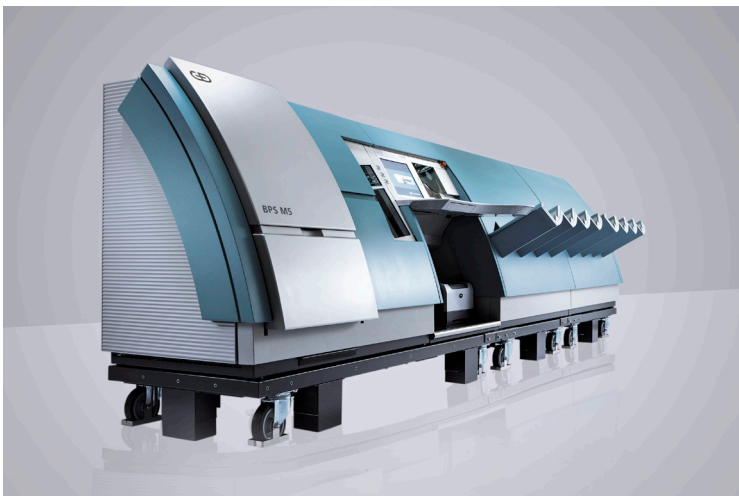
For contact information see [page 65](#).

*Available languages depend on training location

BPS M5

Administrator Training

Administrators



Languages*

- English • German
- Portuguese

Locations

- Dubai • Hong Kong
- Mexico City
- Milton Keynes
- Munich • São Paulo

Course type

Classroom training

Duration

3 days

Minimum number of participants

3

Maximum number of participants

5

Reference

BM5_2C

SAP number

541751001

*Available languages depend on training location

→ Training goal

After completion of this training course, the participants will be self-sufficient in the administration of the BPS M5 user rights list and user groups and the creation and personalization of BPS M5 chip cards. They will also be able to identify and solve simple user access faults.

→ Prerequisites

Basic knowledge of IT systems.
Knowledge of banknote processing.

→ Training content

- System overview • System start and log on • Banknote processing
- Reject handling • Administration
- Chipcard handling and user rights

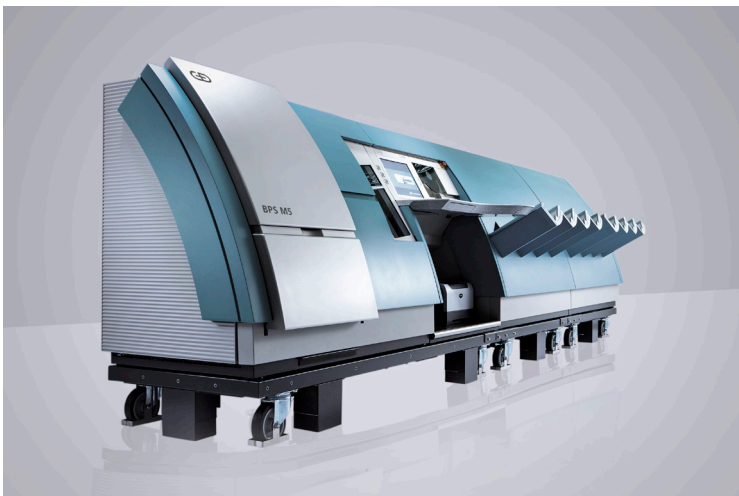
Want to register for the training?

For contact information see [page 65](#).

BPS M5

Supervisor/Manager Training

Supervisors and Managers



Languages*

- English • German
- Portuguese

Locations

- Dubai • Hong Kong
- Mexico City
- Milton Keynes
- Munich • São Paulo

Course type

Classroom training

Duration

2 days

Minimum number of participants

3

Maximum number of participants

5

Reference

BM5_3C

SAP number

541752001

→ Training goal

After completion of this training course, the participants will be self-sufficient in banknote processing on the BPS M5. They will also be able to solve banknote recovery processes, interpret reports and logs, identify and solve simple operating failures.

→ Training content

- System overview • Banknote processing • Reporting system
- Administration • Configuration
- Additional options • Procedures for unexpected events

→ Prerequisites

Basic knowledge of IT systems.
Knowledge of banknote processing.

Want to register for the training?

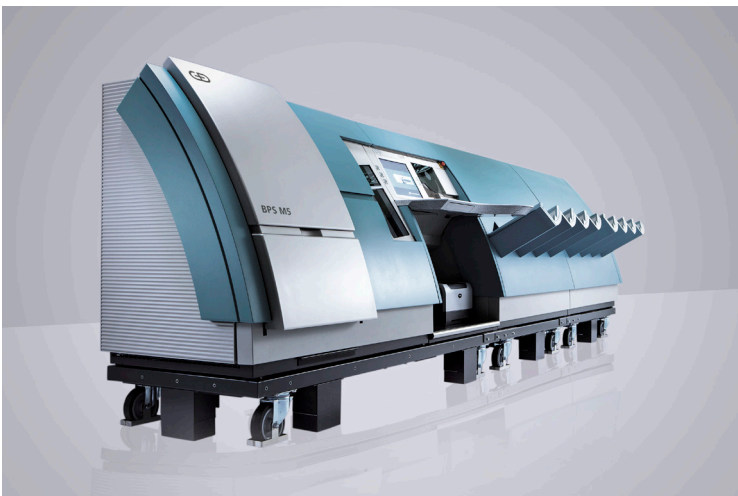
For contact information see [page 65](#).

*Available languages depend on training location

BPS M5

Basic Technical

Field Engineers



Languages*

- English • German
- Portuguese

Locations

- Dubai • Dulles, VA
- Hong Kong
- Mexico City
- Milton Keynes
- Munich • São Paulo

Course type

Classroom training

Duration

3 weeks

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

A laptop with current Windows operating system and administrative rights.

Reference

BM5_4C

SAP number

541753001

*Available languages depend on training location

→ Training goal

After completion of this training, the participants will be self-sufficient in the repair, maintenance and troubleshooting of the mechanical, electrical and pneumatic systems of the BPS M5.

→ Prerequisites

Basic knowledge of IT systems. Knowledge of banknote processing. Skills in mechanics, electrics/electronics and pneumatics.

→ Training content

- System overview • Processing basics • Reporting system
- Configuration and administration
- Software tools • Mechanical system • Electrical system
- Pneumatic system • Sensor system • Software system
- System maintenance • Faults and troubleshooting

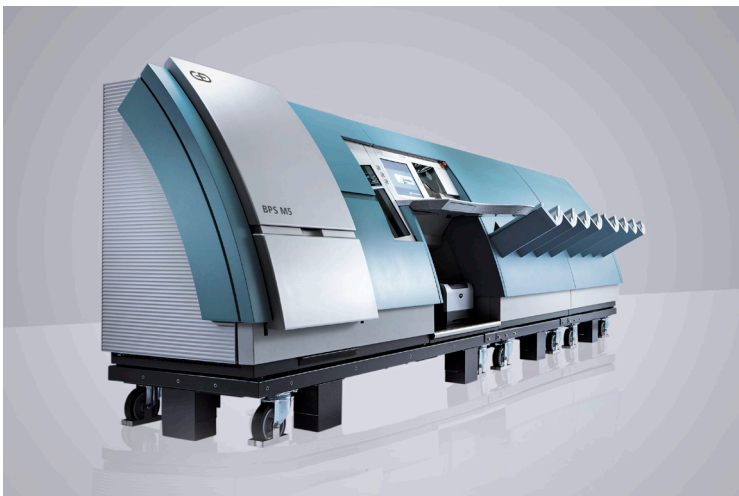
Want to register for the training?

For contact information see [page 65](#).

BPS M5 with NotaTracc L

Basic Technical

Field Engineers



Languages

- English

Locations

- USA: Dulles, VA

Course type

Classroom training

Duration

3 weeks and 2 days

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

Laptop with Windows 7 or higher and administrator rights.

Reference

BM5_5C

SAP number

541754001

→ Training goal

After completion of this training, the participants will be self-sufficient in the repair, maintenance and troubleshooting of the mechanical, electrical and pneumatic systems of the BPS M3, together with the NotaTracc L Module.

→ Prerequisites

Basic knowledge of IT systems. Knowledge of banknote processing. Skills in mechanics, electrics/electronics and pneumatics.

→ Training content

- System overview
- Processing basics
- Reporting system
- Configuration and administration
- Software tools
- Mechanical system
- Electrical system
- Pneumatic system
- BPS interface and connections
- Changes in singler area
- Mechanical transport sequence
- Mechanical adjustments
- Sensor system
- Software system
- System maintenance
- Faults and troubleshooting

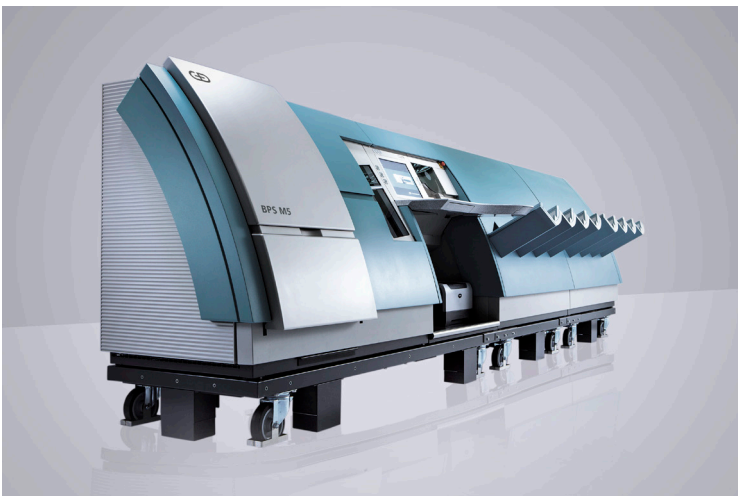
Want to register for the training?

For contact information see [page 65](#).

BPS M5

Upgrade BPS 1000 to BPS M5

Field Engineers



Languages*

- English • German
- Portuguese • Spanish

Locations

- Dubai • Dulles, VA
- Hong Kong
- Mexico City
- Milton Keynes
- Munich • São Paulo

Course type

Classroom training

Duration

4 days

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

A laptop with current Windows operating system and administrative rights.

Reference

BM5_6C

SAP number

541755001

*Available languages depend on training location

→ Training goal

The participants will learn the differences between the BPS 1000 and the BPS M5. Participants will be self-sufficient in the repair, maintenance and troubleshooting of the mechanical, electrical and pneumatic systems of the BPS M5.

→ Training content

- System overview • Global machine modifications • Module-specific modifications • Software structure • Software tools
- Peripheral devices • Faults and troubleshooting

→ Prerequisites

Basic knowledge of IT systems. Knowledge of banknote processing. Skills in mechanics, electrics/electronics and pneumatics. Thorough knowledge of the BPS 1000.

Want to register for the training?

For contact information see [page 65](#).

BPS M7

Operator Training

Operators



→ Training goal

After completion of this training course, the participants will be self-sufficient in banknote processing on the BPS M7. They will also be able to identify and solve simple faults.

→ Prerequisites

Basic knowledge of IT systems.

→ Training content

- System overview
- System start and log on
- Banknote processing
- Recovery procedure
- Practical exercises



Languages*

- English
- German
- Portuguese
- Spanish

Locations

- Dubai
- Mexico City
- Milton Keynes
- Munich
- São Paulo

Course type

Classroom training

Duration

3 days

Minimum number of participants

3

Maximum number of participants

5

Reference

BM7_1C

SAP number

541756001

Want to register for the training?

For contact information see [page 65](#).

*Available languages depend on training location

BPS M7

Administrator Training

Administrators



Languages*

- English • German
- Portuguese • Spanish

Locations

- Dubai • Mexico City
- Milton Keynes
- Munich • São Paulo

Course type

Classroom training

Duration

3 days

Minimum number of participants

3

Maximum number of participants

5

Reference

BM7_2C

SAP number

541757001

→ Training goal

After completion of this training course, the participants will be self-sufficient in the administration of the BPS M7 user rights list and user groups and the creation and personalization of BPS M5 chip cards. They will also be able to identify and solve simple user access faults.

→ Training content

- System overview • System start and log on • Banknote processing
- Reject handling • Administration
- Chipcard handling and user rights

→ Prerequisites

Basic knowledge of IT systems.
Knowledge of banknote processing.

Want to register for the training?

For contact information see [page 65](#).

*Available languages depend on training location

BPS M7

Supervisor/Manager Training

Supervisors and Managers



Languages*

- English • German
- Portuguese • Spanish

Locations

- Dubai • Mexico City
- Milton Keynes
- Munich • São Paulo

Course type

Classroom training

Duration

2 days

Minimum number of participants

3

Maximum number of participants

5

Reference

BM7_3C

SAP number

541758001

→ Training goal

After completion of this training course, the participants will be self-sufficient in banknote processing on the BPS M7. They will also be able to solve banknote recovery processes, interpret reports and logs, identify and solve simple operating failures.

→ Training content

- System overview • Banknote processing • Reporting system
- Administration • Configuration
- Additional options • Procedures for unexpected events

→ Prerequisites

Basic knowledge of IT systems.
Knowledge of banknote processing.

Want to register for the training?

For contact information see [page 65](#).

*Available languages depend on training location

BPS M7

Basic Technical

Field Engineers



Languages*

- English • German
- Portuguese • Spanish

Locations

- Dubai • Mexico City
- Milton Keynes
- Munich • São Paulo

Course type

Classroom training

Duration

3 weeks

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

A laptop with current Windows operating system and administrative rights.

Reference

BM7_4C

SAP number

541759001

→ Training goal

After completion of this training, the participants will be self-sufficient in the repair, maintenance and troubleshooting of the mechanical, electrical and pneumatic systems of the BPS M7.

→ Prerequisites

Basic knowledge of IT systems. Knowledge of banknote processing. Skills in mechanics, electrics/electronics and pneumatics.

→ Training content

- System overview • Processing basics • Reporting system • Configuration and administration
- Software tools • Mechanical system • Electrical system • Pneumatic system • Sensor system
- Software system • System maintenance • Faults and troubleshooting

Want to register for the training?

For contact information see [page 65](#).

*Available languages depend on training location

BPS M7

Advanced Technical Training

Field Engineers



Languages

- English

Locations

- Dubai

Course type

Classroom training

Duration

2 weeks

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

A laptop with current Windows operating system and administrative rights.

Reference

BM7_6C

SAP number

546213001

→ Training goal

After completion of this training course, participants will be self-sufficient in using the software tools of the BPS M7 for analysis and troubleshooting of the system up to technician-reserved areas.

→ Prerequisites

Successful completion of the BPS M7 Basic Technical Training and working experience with BPS M7 systems.

→ Training content

- System overview
- Singler quality tool and adjustments
- Banknote transport monitoring, analysis & troubleshooting
- Software tools
- Electrical & pneumatic systems
- Sensor download errors and logs
- Bank note analyzer tool
- Software recovery

Want to register for the training?

For contact information see [page 65](#).

*Available languages depend on training location

BPS M7

Upgrade BPS 1000 to BPS M7

Field Engineers



Languages*

- English • German
- Portuguese • Spanish

Locations

- Dubai • Mexico City
- Milton Keynes
- Munich • São Paulo

Course type

Classroom training

Duration

1 week

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

A laptop with current Windows operating system and administrative rights.

Reference

BM7_5C

SAP number

541760001

→ Training goal

The participants will learn the differences between the BPS 1000 and the BPS M5. Participants will be self-sufficient in the repair, maintenance and troubleshooting of the mechanical, electrical and pneumatic systems of the BPS M5.

→ Training content

- System overview • Global machine modifications • Module-specific modifications • Software structure • Software tools
- Peripheral devices • Faults and troubleshooting

→ Prerequisites

Basic knowledge of IT systems. Knowledge of banknote processing. Skills in mechanics, electrics/electronics and pneumatics. Thorough knowledge of the BPS 1000.

Want to register for the training?

For contact information see [page 65](#).

*Available languages depend on training location



Prem Sagar Pandey

Sr. Technical Lead – Global Support,
Gurugram, India



»For me it is essential to always provide up-to-date knowledge in my training courses. The very close cooperation between the development teams and all the service departments helps us to constantly update our training content.«

BPS X9

Operator Training

Operators



→ Training goal

After completion of this training the participants will be self-sufficient in the operation and banknote processing of the BPS X9.

→ Prerequisites

Basic knowledge of IT systems.

→ Training content

- System overview • BPS system tasks • Structure of the system
- QICC Control Center • Banknote processing • Error handling
- Jam recovery • Power failure
- Consumable replacement



Languages

- English

Locations

This digital training is made available on participants' site (hardware provided/shipped by G+D).

Course type

Digital training with computer-based tutorial instruction and practical modules in a virtual reality environment.

Duration

Approx. 1 week

Minimum number of participants

n/a

Maximum number of participants

n/a

Reference

BX9_1C

SAP number

541761001

Want to register for the online training?

Contact us and register:

currency-technology-trainingcenter@gi-de.com

BPS X9

Basic Technical

Field Engineers



→ Training goal

After completion of this training, the participants will be self-sufficient in the repair and maintenance of the mechanical, electrical, electronic and pneumatic systems of the BPS X9.

→ Prerequisites

Basic knowledge of IT systems. Knowledge of banknote processing. Skills in mechanics, electrics/electronics and pneumatics.

→ Training content

- System overview
- BPS system tasks
- Structure of the system
- Production orders
- QUICC Control Center and plug-ins
- Banknote processing
- Operating controls
- Reports, logs and printouts
- Jam recovery
- Power failure
- Functionality of the modules
- Pneumatics
- Electrical overview
- Controllers
- Connection to network
- Software recovery
- Banknote analyzer
- Removal and replacement of assemblies
- Adjustments
- Gate replacement
- Stacker synchronization
- Signal tracking
- Sensor failures
- Fault tracing and troubleshooting
- Preventive and scheduled maintenance

Want to register for the training?

For contact information see [page 65](#).



Languages

- English

Locations

The first part of this training is made available on participants' site (hardware provided/ shipped by G+D). The second part is done in Germany: Munich.

Course type

Blended training. The first part is provided through digital training with computer-based tutorial instruction and practical modules in a virtual reality environment. The second part is provided as classroom training.

Duration

Approx. 1 week for the digital training
Additional 3 weeks classroom training

Minimum number of participants

3

Maximum number of participants

5

Reference

BX9_2C

SAP number

541762001

BPS X9

Upgrade BPS 2000 to BPS X9

Field Engineers



Languages

• English • German

Locations

• Munich

Course type

Classroom training

Duration

2 weeks

Minimum number of participants

3

Maximum number of participants

5

Reference

BX9_3C

SAP number

541763001

→ Training goal

The participants will learn the differences between the BPS 2000 and the BPS X9. Participants will be self-sufficient in the operation, maintenance and troubleshooting of the BPS X9.

→ Prerequisites

Thorough knowledge of the BPS 2000.

→ Training content

- System overview
- Production orders
- QICC Control Center and plug-ins
- Operating controls
- Reports, logs and printouts
- Jam recovery
- Power failure
- Functionality of the modules
- Pneumatics
- Electrical overview
- Controllers
- Connection to network
- Software recovery
- Banknote analyzer
- Removal and replacement of assemblies
- Adjustments
- Stacker synchronization
- Signal tracking
- Sensor failures
- Fault tracing and troubleshooting
- Preventive and scheduled maintenance

Want to register for the training?

For contact information see [page 65](#).

BPS 2000

Basic Technical

Field Engineers



→ Training goal

After completion of this training, the participants will be self-sufficient in the repair and maintenance of the mechanical, electrical and pneumatic systems of the BPS 2000.

→ Prerequisites

Basic knowledge of IT systems. Knowledge of banknote processing. Skills in mechanics, electrics/electronics and pneumatics.

→ Training content

- System overview
- System tasks
- Structure of the system
- Explanation of processing concepts
- QICC
- Processing banknotes
- Singler stop, emergency stops
- Reports, logs and printouts
- Power failure
- Consumables replacement
- Components (detectors and actuators)
- Transfer sections (loading and input module)
- Hoist system
- Singler
- Transport, reject and delivery section
- Banding and bundling
- Pneumatics
- Electrical overview
- Signal tracking
- Software installation
- Jams
- Monitor commands
- Removal and replacement of assemblies
- Maintenance
- Disassembly, assembly and adjustment of singler
- Adjustments and synchronization
- Fault tracing and troubleshooting
- Preventive and scheduled maintenance

Want to register for the training?

For contact information see [page 65](#).



Languages

• English • Spanish

Locations

• Madrid

Course type

Classroom training

Duration

4 weeks

Minimum number of participants

3

Maximum number of participants

6

Reference

B20_1C

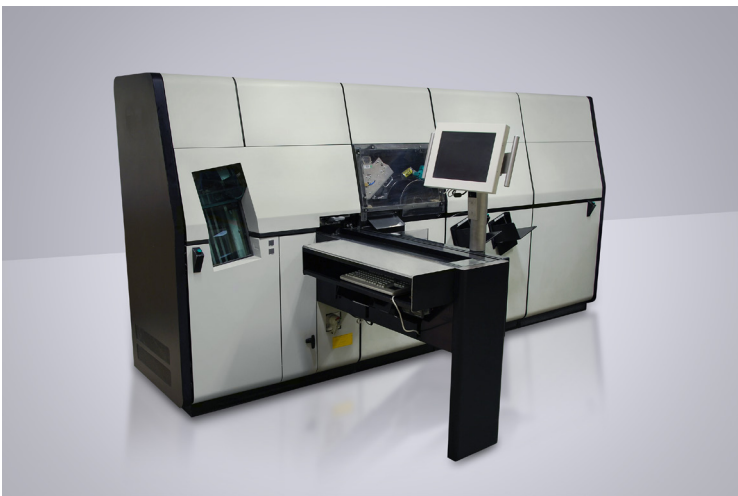
SAP number

541764001

BPS 3000

Phase 1

Field Engineers



Languages

- English

Locations

- Dulles, VA

Course type

Classroom training

Duration

3 weeks

Minimum number of participants

2

Maximum number of participants

4

Reference

B30_1C

SAP number

541765001

→ Training goal

After completion of this training, the participants will be self-sufficient in the repair, maintenance and troubleshooting of the software, mechanical, electrical and pneumatic systems and diagnostics of the BPS 3000 CP.

→ Prerequisites

Thorough understanding of mechanics, software and computers

→ Training content

- System overview CP • Control Center and plug-ins • Operating controls • Reports, logs and printouts • Jam recovery
- Power failure • Functionality of the modules • Pneumatics
- Electrical overview • Controllers • Connection to network
- Software recovery • Removal and replacement of assemblies
- Adjustments • Stacker synchronization • Signal tracing
- Sensor failures • Fault tracing and troubleshooting • Preventive and scheduled maintenance

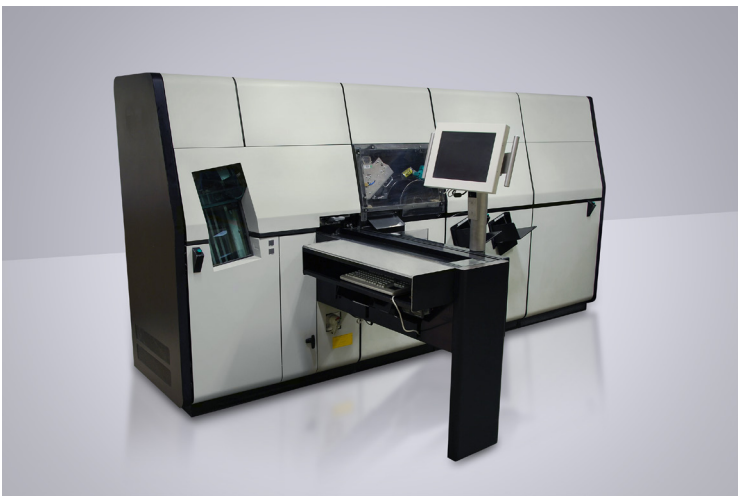
Want to register for the training?

For contact information see [page 65](#).

BPS 3000

Phase 2

Field Engineers



Languages

- English

Locations

- Dulles, VA

Course type

Classroom training

Duration

2 weeks

Minimum number of participants

2

Maximum number of participants

4

Reference

B30_2C

SAP number

541766001

→ Training goal

After completion of this training, the participants will be self-sufficient in the repair, maintenance and troubleshooting of the software, mechanical, electrical and pneumatic systems and diagnostics of the BPS 3000 RS.

→ Prerequisites

Thorough understanding of mechanics, software and computers

→ Training content

- System overview • Control Center and plug-ins • Operating controls
- Reports, logs and printouts
- Jam recovery • Power failure
- Functionality of the modules
- Pneumatics • Electrical overview
- Controllers • Connection to network • Software recovery
- Removal and replacement of assemblies • Adjustments • Stacker synchronization • Signal tracing
- Fault tracing and troubleshooting
- Preventive and scheduled maintenance

Want to register for the training?

For contact information see [page 65](#).



»Banknote processing demands specific knowledge and skillsets and a high level of security awareness. Personal safety and secure processes are a vital part of our training.«

Ignicious Nchoe

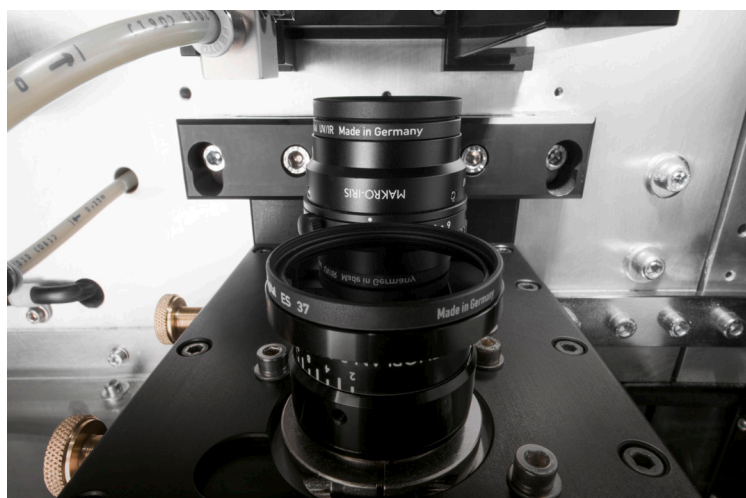
C-series instructor,
Johannesburg, South Africa



NotaMaster Image

Basic

Printworks personnel tasked with quality inspection of banknotes.



Languages

• English • German

Locations

• Munich

Course type

Classroom training

Duration

2 weeks

Minimum number of participants

2

Maximum number of participants

4

Reference

NMI_1C

SAP number

541767001

→ Training goal

After successfully completing this training, the participants will be able to create and maintain NMI-adaptations for any denomination using the advanced NMI features.

→ Prerequisites

Thorough knowledge of MS Windows-based IT systems and of banknote security features. Basic knowledge of digital image processing.

→ Training content

• System overview • Optical inspection system user interface (OISUI) • Adjustment, calibration and production mode • Adjustment works • Recording and storage of banknotes • Basics of banknote inspection • Working with the OISUI software • Creating an adaptation • Online operation • Practical tasks

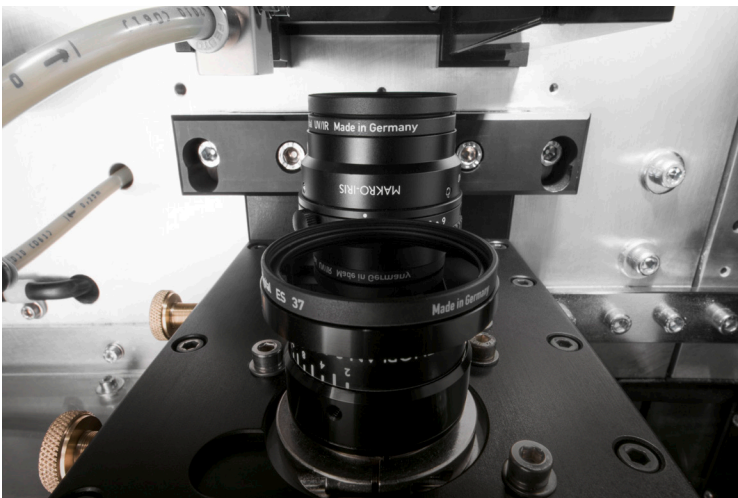
Want to register for the training?

For contact information see [page 65](#).

NotaMaster Image

Upgrade for OBIS 3 specialists

Printworks personnel tasked with quality inspection of banknotes.



Languages

• English • German

Locations

• Munich

Course type

Classroom training

Duration

2 days

Minimum number of participants

2

Maximum number of participants

4

Reference

NMI_2C

SAP number

541768001

→ Training goal

After successfully completing this training, the participants will be able to create and maintain NMI-adaptations for any denomination using the advanced NMI features.

→ Prerequisites

Very good knowledge of building OBIS 3 adaptations including fine-tuning, field experiences and production ramp-up. Skilled application of all available inspect items and clear knowledge of the adaptation structure and philosophy.

→ Training content

- System overview
- Optical inspection system user interface (OISUI)
- Wizard to initiate adaptation
- Adaptation tool
- Conversion of OBIS 3 adaptation to NMI
- New index administration for denominations
- New dialog for saving raw data
- New management for unfit banknotes
- Features to be activated by software key or dongle

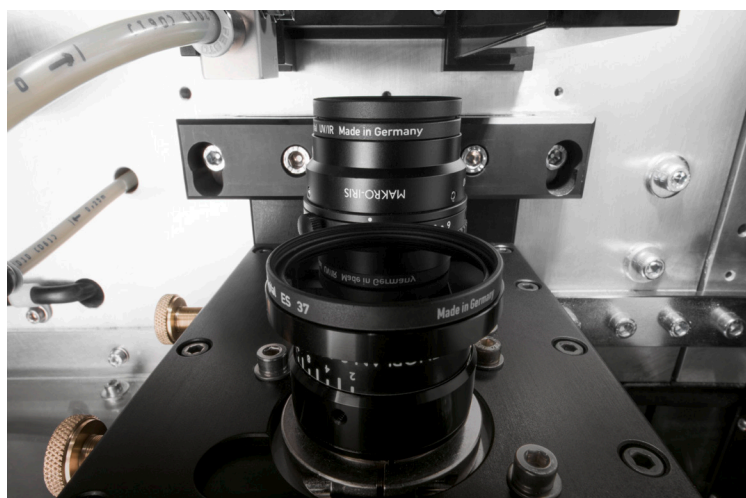
Want to register for the training?

For contact information see [page 65](#).

NotaMaster Image

Advanced

The training is intended for NMI specialists who attended the respective basic training and who are able to carry out rough adaptations.



Languages

• English • German

Locations

• Munich

Course type

Classroom training

Duration

1-2 weeks, depending on customized content

Minimum number of participants

2

Maximum number of participants

4

Reference

NMI_3C

SAP number

541769001

→ Training goal

The objective of this training is to prepare the participants for collecting dedicated field experiences including fine-tuning and production ramp-up, i.e. the targeted reduction of false unfit rates and the creation of an appropriate production environment. The training can be tailored to customers' needs and requirements.

→ Training content

- Brief repetition and clarifications
- Practical work with NMI at BPS X9 under supervision
- Working with advanced features

→ Prerequisites

Good knowledge of building NMI rough adaptations and skilled application of all available inspect items.

Want to register for the training?

For contact information see [page 65](#).

Adaptation Training

Advanced

The training is intended for NMI specialists who attended the respective basic training and who are able to carry out rough adaptations.



Languages

• English • German

Locations

• Munich

Course type

Classroom training

Duration

1-2 weeks, depending on customized content

Minimum number of participants

2

Maximum number of participants

4

Reference

ADA_1C

SAP number

541770001

→ Training goal

After successfully completing this training, the participants will be able to create and maintain BPS X9 adaptations (deployment) for any denomination. This includes standard sensor adaptations as well as the configuration of all necessary machine settings.

→ Training content

- System overview (hardware and software)
- Beginning an adaptation from a template
- Sensor adaptation
- GSL designer
- Configurator
- Recording raw data
- Installation of deployment

→ Prerequisites

Thorough knowledge of MS Windows-based IT systems and of banknote security features. Basic knowledge of digital image processing.

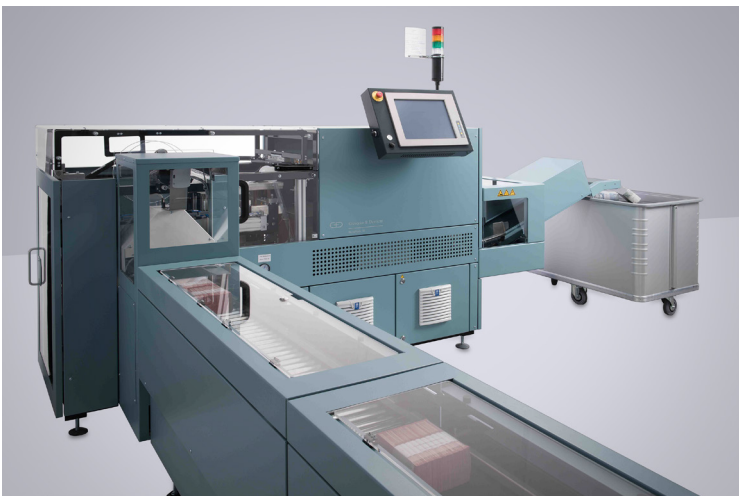
Want to register for the training?

For contact information see [page 65](#).

NotaPack 10

NotaPack 10M Basic Technical

Field Engineers



Languages*

• English • German

Locations

• Dubai • Marksuhl

Course type

Classroom training

Duration

8 days

Minimum number of participants

3

Maximum number of participants

6

Reference

NP1M_1C

SAP number

541771001

*Available languages depend on training location

→ Training goal

After completion of this training, the participants will be self-sufficient in the repair and maintenance of the electrical, mechanical and pneumatic system components of the NotaPack 10 for the M-Segment. They also will be able to identify and solve mechanical and electrical problems.

→ Training content

- System overview
- Use of the manuals
- Basic functions
- Settings and system start
- Electrical system components
- Power supply and control
- Pneumatic system
- Modules
- Printer
- Operating panel and operating modes
- Error messages and troubleshooting
- Replacements and adjustments
- Maintenance
- Cleaning

→ Prerequisites

Skills in mechanics, electrics/ electronics and pneumatics.

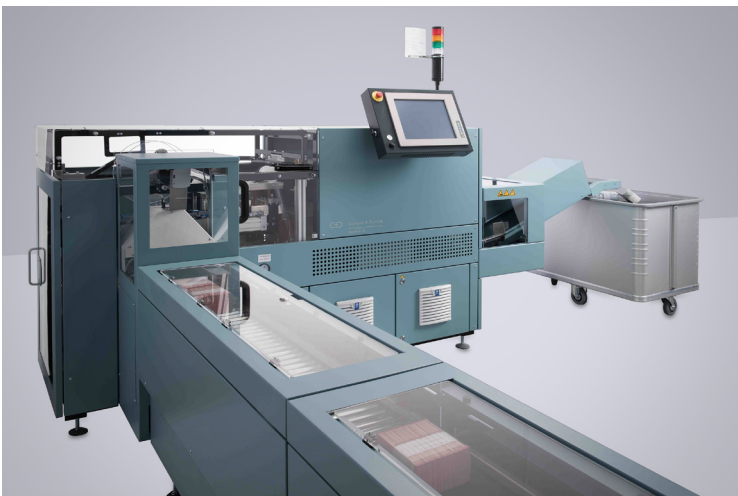
Want to register for the training?

For contact information see [page 65](#).

NotaPack 10

NotaPack 10X Basic Technical

Field Engineers



Languages

• English • German

Locations

• Marksuhl • Munich

Course type

Classroom training

Duration

5 days

Minimum number of participants

3

Maximum number of participants

6

Reference

NP1X_1C

SAP number

541772001

→ Training goal

After completion of this training, the participants will be self-sufficient in the repair and maintenance of the electrical, mechanical and pneumatic system components of the NotaPack 10 for the X-Segment. They also will be able to identify and solve mechanical and electrical problems.

→ Training content

- System overview
- Use of the manuals
- Basic functions
- Settings and system start
- Electrical system components
- Power supply and control
- Pneumatic system
- Modules
- Printer
- Operating panel and operating modes
- Error messages and troubleshooting
- Replacements and adjustments
- Maintenance
- Cleaning

→ Prerequisites

Skills in mechanics, electrics/electronics and pneumatics.

Want to register for the training?

For contact information see [page 65](#).

NotaPack 6

Basic Technical

Field Engineers



Languages

• English • German

Locations

• Marksuhl

Course type

Classroom training

Duration

5 days

Minimum number of participants

3

Maximum number of participants

6

Reference

NP6_1C

SAP number

541773001

→ Training goal

After completion of this training, the participants will be self-sufficient in the repair and maintenance of the electrical, mechanical and pneumatic system components of the NotaPack 6. They also will be able to identify and solve mechanical and electrical problems.

→ Training content

- System overview
- Use of the manuals
- Basic functions
- Settings and system start
- Electrical system components
- Power supply and control
- Pneumatic system
- Modules
- Printer
- Operating panel and operating modes
- Error messages and troubleshooting
- Replacements and adjustments
- Maintenance
- Cleaning

→ Prerequisites

Skills in mechanics, electrics/electronics and pneumatics.

Want to register for the training?

For contact information see [page 65](#).

NotaTracc L

Basic Technical

Field Engineers



→ Training goal

After completion of this training, the participants will be self-sufficient in the repair, maintenance and troubleshooting of the electrical, mechanical and pneumatic systems of the NotaTracc L Module.

→ Prerequisites

Experience of maintaining and repairing banknote processing systems.

→ Training content

- System overview • System start and banknote processing
- BPS interface and connections
- Changes in single area
- Mechanical transport sequence
- Pneumatic elements • Electrical and electronic components
- Mechanical adjustments



Languages*

- English • German

Locations

- Dubai • Dulles, VA
- Milton Keynes
- Munich

Course type

Classroom training

Duration

4 days

Minimum number of participants

3

Maximum number of participants

5

What you need to participate

Laptop with Windows 7 or higher and administrator rights.

Reference

NTL_1C

SAP number

541774001

Want to register for the training?

For contact information see [page 65](#).

*Available languages depend on training location



»The close interaction with trainees during our training courses provides us with valuable insights into the daily business of cash centers and banks. With this knowledge we can optimize our training delivery.«

Shreepad Naik

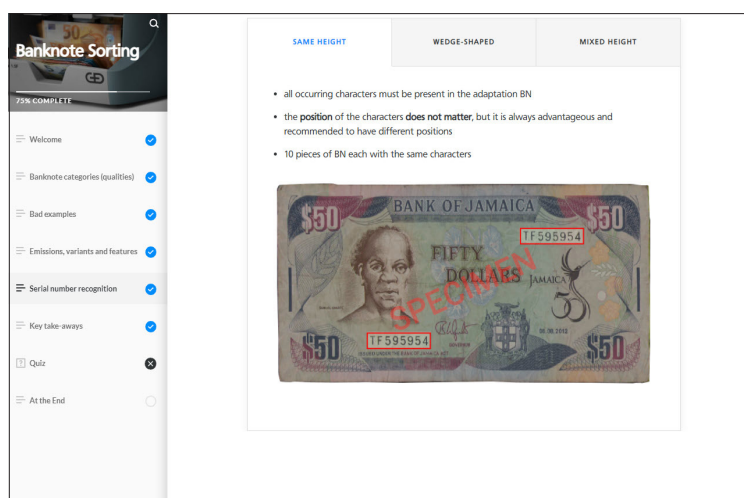
Technical Trainer, Gurugram India



Other

Banknote Sorting

Personnel tasked with the collection of raw data for banknote processing systems.



Languages

- English

Locations

- This training is provided online

Course type

Online web-based training

Duration

Approx. 30 minutes

Minimum number of participants

n/a

Maximum number of participants

n/a

What you need to participate

PC or tablet; reliable internet connection

Reference

OTH_O

SAP number

541775001

→ Training goal

The objective of this training is to enable the participants to sort banknotes based on fit/unfit criteria for the collection of raw data.

→ Training content

- Banknote categories (qualities)
- Emissions, variants and features
- Serial number recognition

Want to register for the online training?

Contact us and register:

currency-technology-trainingcenter@gi-de.com

BDS D + SC

Basic Technical

Field Engineers



Languages*

- English • German
- Portuguese

Locations

- Munich • São Paulo

Course type

Classroom training

Duration

5 days

Minimum number of participants

3

Maximum number of participants

5

Reference

BDS_1C

SAP number

541776001

→ Training goal

After completion of this training, the participants will be self-sufficient in the maintenance and troubleshooting of the mechanical, electrical and hydraulic systems of the BDS D+SC.

→ Training content

• System overview • Compactor: Maintenance and troubleshooting of the hydraulic, electrical and mechanical systems • Shredder: Mechanics, maintenance and troubleshooting • Operation of the BDS • BDS Ctrl

→ Prerequisites

Thorough knowledge and experience as a mechanic/fitter and/or as an electrician

Want to register for the training?

For contact information see [page 65](#).

*Available languages depend on training location

BDS SC

Basic Technical

Field Engineers



Languages*

- English • German
- Portuguese

Locations

- Munich • São Paulo

Course type

Classroom training

Duration

3 days

Minimum number of participants

3

Maximum number of participants

5

Reference

BDS_2C

SAP number

541777001

→ Training goal

After completion of this training, the participants will be self-sufficient in the maintenance and troubleshooting of the mechanical, electrical and hydraulic systems of the BDS SC.

→ Training content

- System overview • Compactor: Maintenance and troubleshooting of the hydraulic, electrical and mechanical systems • Operation of the BDS • BDS Ctrl

→ Prerequisites

Thorough knowledge and experience as a mechanic/fitter and/or as an electrician

Want to register for the training?

For contact information see [page 65](#).

*Available languages depend on training location

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Thomas Eibl

Head of Global Training,
Munich, Germany



Up-to-date knowledge and technical skills are essential to operate and maintain complex banknote processing systems. Our training solutions ensure that you are well equipped to carry out your role effortlessly. With hands-on training given by our experienced instructors and flexible web-based courses, we can provide the training solution that meets your needs. Let us help you to optimize the availability and functionality of your systems.«



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