Compass^{CM}®

Advanced intelligence in cash center automation

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Compass^{CM} is a cash center management system to automate all processes within a cash center.

The degree of automation is set to the individual customer's needs. Compass^{CM} anticipates, controls, and analyzes everything from simple deposit processing to complex cash center processes.

Reduce costs and boost efficiency

Giesecke & Devrient (G&D) pioneered machine-readable features for banknotes as well as automatic banknote processing and is also an innovator in cash center automation. Today, G&D is leading the way to the next logical level: the consistent use of IT technology for all cash center logistics. G&D has developed an advanced software family to consolidate individual processes and replace manual or proprietary solutions.

The software family anticipates currency flow and can plan, control, and analyze the entire process. This process is also absolutely transparent. The cash center benefits from reduced costs and increased efficiency.

Compass^{CM} cash center management software is PC-based and has standard hardware and software interfaces. The extensive functions of the Compass^{CM} product line can enhance any cash center. Not only does Compass^{CM} significantly increase the processing speed, it also increases the reliability of the results. New services, such as online deposit tracking or Internet data exchange, deliver added value and increase customer loyalty.

The Compass^{CM} cash center management system is synonymous with:

- Flexibility with optimum functionality
  - Different functions can be combined according to individual customer needs and all processes in the cash center can be electronically recorded
- Speed with maximum customer focus
  - Cash center customers immediately receive all relevant deposit and processing data
- Efficiency with absolute individuality
  - All processes run automatically based on individual profiles
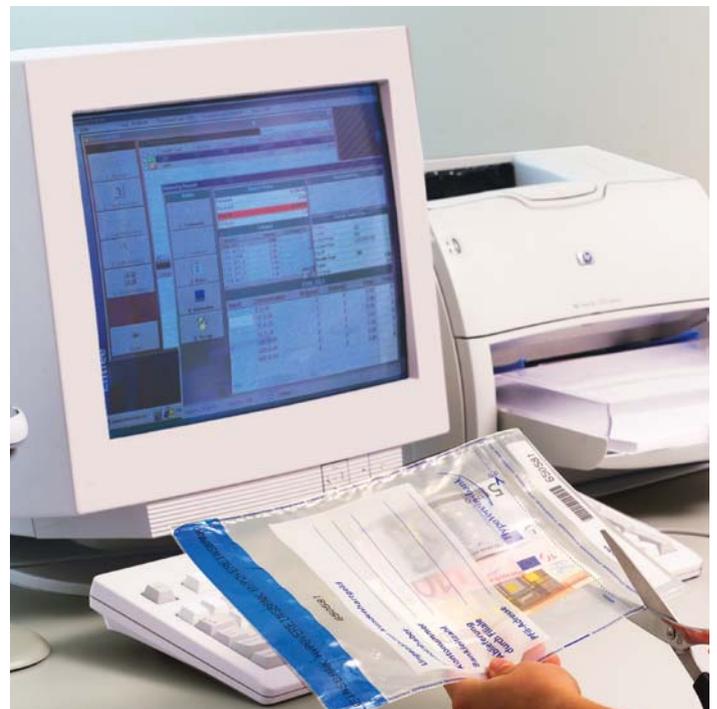
The profiles:
efficiency with absolute individuality

Configurable user profiles manage specific user settings. Compass^{CM} uses these profiles to guide the user through system-managed, customized processing methods based on customer account and location data.

Customer-specific profiles minimize the number of keystrokes to ensure maximum productivity.

The operator is presented with special account handling messages to guarantee consistency of service, and to generally direct the appropriate workflow.

Accounts

The customer profile contains general information on the customer, address details, balancing methods, cash orders/shipments, and account-related data for electronic transaction posting.

Banks

The bank configuration is set in the bank profile. This contains general information such as contact partners, file archiving for transactions and cash orders, accepted media, account-based posting rules, holidays and various transaction regulations.

Operators

System users are defined and managed including access and adjustment levels set for each individual process function, general ledger accounts for each operator and other unique settings.

Teams

Teams can be formed to work in groups. This innovative use of teamwork increases productivity and allows for more efficient use of the machines and resources.

Carriers (cash-in-transit)

Profiles are also needed to support the cooperation between armored carriers (CITs) and cash centers. These profiles contain contact information, route schedules, and calendars. They may also define CITs as off-site inventory points for coin order fulfillment.

ATMs

As part of the ATM envelope processing system, each ATM has its own identity. This allows transaction volumes and balancing details, for example, to be tracked by ATM machine and location.

Inventory

The system supports the creation of virtually limitless numbers of separate inventories. These may be created for fit/unfit currency holdings, high-speed currency sorter areas, carriers, or to accommodate needs for keeping separate media inventories.

The system:
flexibility with optimum functionality

Compass^{CM} functions can be selected to meet the specific needs of a cash center. The administration function is the core of Compass^{CM} and is at the center of every configuration.

**The main functions are:**

Administration

The administration module contains the most important configurations for every process. Flexibility and customer-specific adaptations make the system extremely powerful. As an administration tool, this program consolidates work from the individual processing stations and provides detailed information on processing, deposit movements, cash orders and shipment activity, and various cash center inventory points. Supervisors have an overview of all work in progress and can print customer-relevant activity for each individual operator.

Receiving

While the information process starts at the customer level, the receiving area of the cash center begins the physical processing. Whether it is just manifest or bag tracking, or stripping and advance credit, receiving can be configured to all levels. Capturing the critical information or confirming pre-advised shipments, production begins in receiving.

Deposit processing

Separating cash processing from the paperwork is one of the primary functions of any cash center. The deposit processing functionality can be adapted to all proceeding methods–from table-top devices and coin counters up to high-speed banknote sorters. The work is tracked for each teller and recorded on electronic journal tapes. Special customer requirements are integrated into the system to ensure processing quality and consistency.

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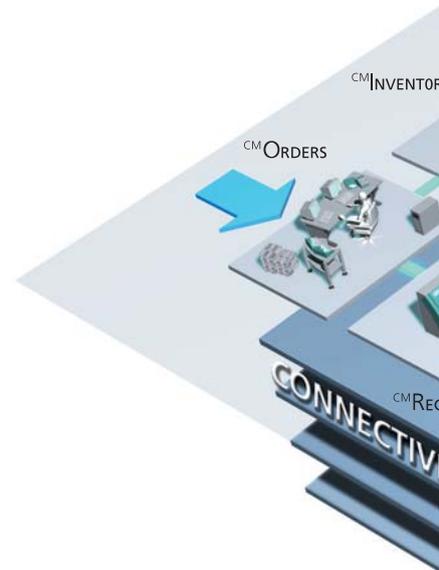
ATM envelope processing

The processing of envelopes from ATMs is designed for maximum throughput. The connection to the bank's central computer can be used to download data on the contents of the ATM envelope. This information permits tracking the contents to the source, improving productivity.
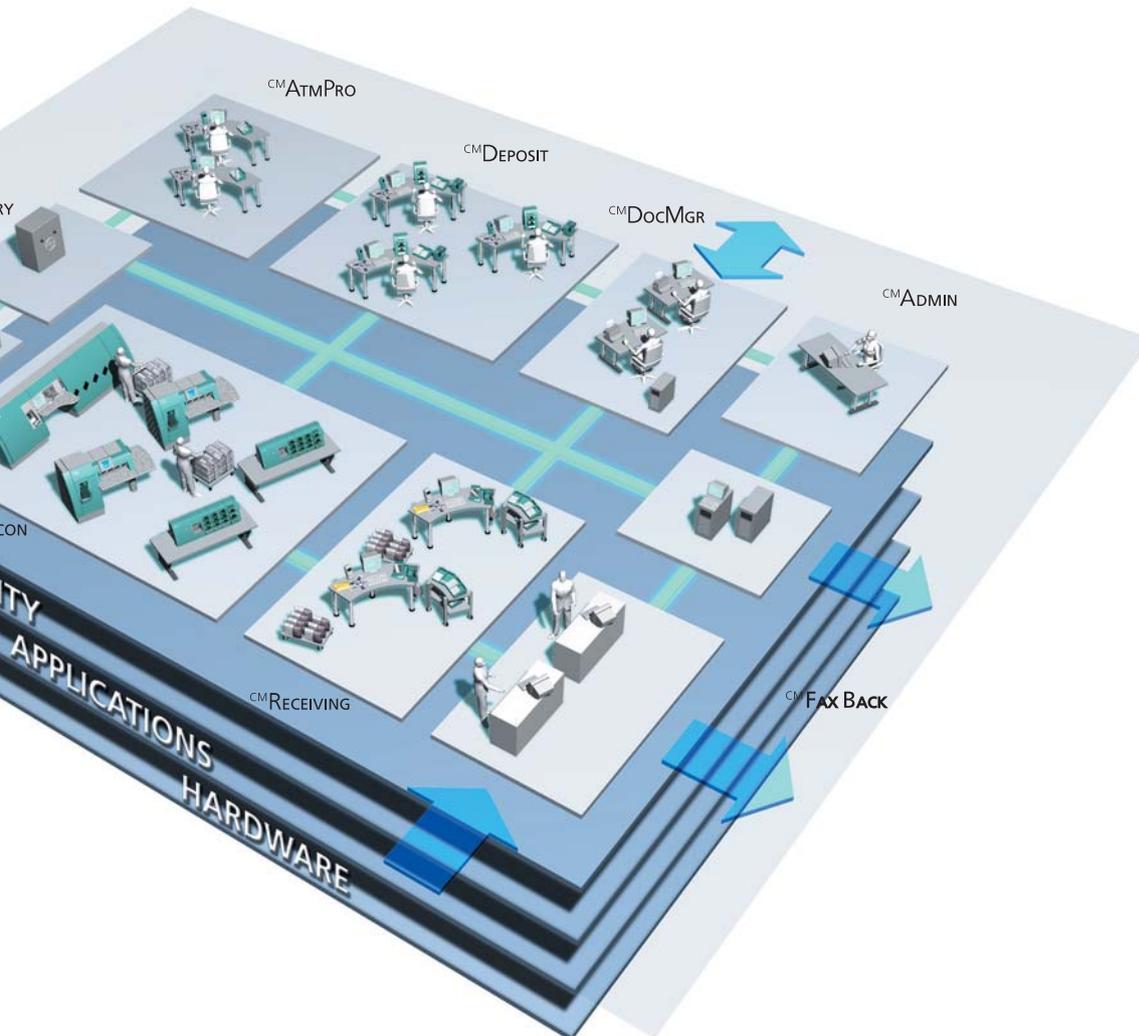
Cash orders

Cash orders or change fund orders can easily be placed by fax, telephone or the Internet. Deliveries are calculated for each location based on production capacities and transportation requests. All the paperwork, bag tags, etc. required for these orders are generated to ensure efficient and accurate production of the orders. Special orders, standing orders, and emergency orders can be easily accommodated.

Inventory management

Separate inventory directories can be assigned to rooms or processes. Regardless of their status, these can be complied in real time for an overview of the entire inventory. Electronic checkpoints monitor the cash flow between the individual processing steps. This can include double electronic signatures or blind balances to ensure the integrity of the totals.

Reconciliation of rejected banknotes

This function was specifically designed for high-speed currency sorting equipment. The functionality handles the rejects created during processing and facilitates reconciliation of these items, while allowing the equipment uninterrupted productivity.

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The information functionality: speed with maximum customer focus

Cash center customers need fast and accurate information on the processing and value of their deposits. With the wide range of reporting capabilities offered by Compass^{CM}, customers have fast and direct access to all desired information. Any transfer medium can be selected.

E-mail and fax receipts

Some customers require daily confirmation that their deposits have been successfully processed and others do not want to wait for the mail. They can have the receipts faxed or sent by e-mail to the transaction location, the head office, or the regional branch. Adjustments can also be faxed or sent by e-mail immediately upon the teller's completing the transaction.

Receipt mailers

The system creates individual deposit and consolidation receipts for customers who want a standard receipt. This contains all data for the displayed transaction, including, but not limited to, deposit and correction receipts and debits for change orders.

Consolidated reports

To assist regional and head office treasury management in carrying out audit and accounting checks, consolidated reporting may be automatically generated in all formats. Different account numbers may be grouped together with a designated "reporting" account number which provides complex accounts with a simple reporting solution.

Detailed envelope reports

Among the many standard reports available within the system, the detailed envelope report is a valuable tool for major retail accounts requiring additional cashier level details, such as shift number, envelope ID, cashier ID, etc., for comparisons and audit control.

Online access

For customers with access to the Internet, we can develop enterprise solutions to access a full range of information, from work in process to consolidated site transaction summaries. The data is delivered with encrypted password control and safeguarded by means of secure servers.

Create custom reports

Custom reports can be designed from within the system setup features; plus the system supports custom report executables created by third party software.

The product family:
Compass^{CM} – cash center management

Daily tasks, responsibilities and processes in cash centers are constantly changing. G&D maintains excellent relationships with all types of institutions involved in the cash lifecycle. From central banks to commercial banks, cash-in-transit companies or armored carriers to the immediate recipients of cash, G&D is uniquely positioned to predict emerging trends in the industry and develop the necessary management systems in response to these trends.

The flexible and functionally designed Compass^{CM} software products will continue to evolve and remain adaptable to the ever changing requirements in locations handling cash.

Compass^{CM}

This is the core of the cash center management system. Various functions support almost every conceivable cash center process. This product line includes a connection to forecasting tools to manage enterprise-wide cash levels.

CompassEntrée^{CM}

A processing-focused solution for situations where full cash center functionality is not required, this was specially designed for use with G&D's line of banknote processing systems (BPS®, Numeron®).

CompassEntrée^{CM} is a streamlined software solution that combines the basic deposit processing or cash counting functions of receiving, processing, reject reconciliation, and reporting in one easy-to-use package.
It shifts the reconciliation of deposits away from the banknote processing equipment to increase productivity.

CompassCasino^{CM}

This software solution is custom-designed for the needs of the casino cash center market. It includes functionality for hard and soft count rooms, inventory tracking for main and satellite cage values, as well as change fund management.

CompassRetail^{CM}

This software solution is designed for retailers, hotels, and other recipients of cash for efficient cash process-ing in a back office environment.

CompassCentral^{CM}

Software solutions specially tailored to the needs of central banks.

CompassConnect^{CM} – an alternative way to use Compass^{CM}

The complete Compass^{CM} system can be accessed over the Internet, with G&D serving as an application service provider. This means that G&D hosts the application and the customer dials into Compass^{CM} via a secure Internet connection.

With CompassConnect^{CM}, cash centers can access the entire Compass^{CM} software without making a large investment, using only the Internet and a secure VPN connection. The tried and tested Citrix™ technology lets you access a "hosted environment" at G&D.

The idea

You only pay for what you really need. This is especially profitable for cash centers with small amounts of currency to be processed or with a low budget for automation. Even branch offices can use this technology to process night deposits and to link these with a cash center.

Access to the processing modules

- Administration
- Order processing
- Receiving (tracking deposits)
- Supply administration
- ATM filling
- ATM envelope processing
- Cash orders/deliveries
- Client Access Portal (CAP)
  - Simple communication platform with cash center customers
- Reporting system
- Electronic file transfer
- Trouble shooting
- Re-processing

How it works

Keeping your investments to a minimum is the primary goal of CompassConnect^{CM}. This requires a fast connection, such as DSL. With the client/server shareware application Citrix™, you have secure firewall access to the G&D host site. As soon as you are in the secure site, the Compass^{CM} start page will appear on your desktop as if you had loaded the software locally on your PC.

This technology has been proven worldwide and is already used by numerous G&D customers.

Transaction-based services

G&D analyzes the total transactions carried out for a customer and delivers a monthly, detailed, performance-based account on a fee basis for each transaction. If the costs of the technology infrastructure for a cash center are known, then the cost accounting models can be created easily. If you include a transaction-based cost accounting in your own business plan, you will be able to more efficiently control your costs and assign your own procedures based on expenditure.

CompassConnect^{CM} is a transaction-based service that covers all of your requirements for cash management software for your processing needs. If your processing volume becomes large enough to justify the purchase of the Compass^{CM} software, you will already have trained personnel on hand.

System recommendations

- Standard PC with Windows® 2000 or Windows® XP
- High speed Internet connection

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