DIEBOLD NIXDORF

CINEO C1030

Mass Coin Recycling System

User Manual (September 2017)

We would like to know
your opinion on this publication.

Please send us a copy of this page
if you have any constructive criticism on:
- the contents
- the layout
- the product.

We would like to thank you in advance
for your comments.
With kind regards,

Diebold Nixdorf
Wohlrabedamm 31
D-13629 Berlin

E-Mail: retail.documentation@dieboldnixdorf.com

Your opinion

Contents

Introduction

With the CINEO C1030 Wincor Nixdorf offers an entry-level model for coin processing in cash offices. This system processes up to 8 coin denominations and recycles them. Thus, coins are available again for dispensing. Capacity per denomination averages 1,200 coins (based on the 1 € coin).

The CINEO C1030 is suitable for use in midsize store formats such as supermarkets, discounters or specialty stores.

About this manual

This symbol is used to mark important information in this manual.

Text following this symbol should be given special attention in order to avoid damage and injury.

Warranty

Wincor Nixdorf generally guarantees a warranty engagement for 12 months beginning with the date of delivery. This warranty engagement covers all damages which occur despite a normal use of the product.

Damages because of

- improper or insufficient maintenance,
- improper use of the product or unauthorized modifications of the product,
- inadequate location or surroundings

will not be covered by the warranty.

For further information on the stipulation consult your contract.

All parts of the product which are subject to wear and tear are not included in the warranty engagement. For detailed warranty arrangements please consult your contract documents.

Unpacking and Checking the System

Unpack the system and verify that the scope of delivery is identical to the information on the delivery ticket.

Should you notice any

- transport damages or
- discrepancies between package contents and delivery ticket or
- functional defects,

please inform your contracting parties or the branch office of Wincor Nixdorf immediately. Please indicate the number of your delivery ticket and delivery ticket position and serial number of the respective device.

It is absolutely necessary to check the function of the original equipment *before* you perform any changes (e.g. by installing an expansion card). Only then it is possible to accept a functional defect as a claim.

We recommend to save the original packaging for transport at a later time (protection from impact and shock).

ESD (Electrostatic Sensitive Devices)

Electrostatic sensitive devices (ESD) *may* be marked with this sticker.

When you handle components fitted with ESDs, you must observe the following points under all circumstances:

- Unplug the power before inserting or removing components containing ESDs.
- While working with ESDs you must discharge yourself by using an ESD wrist strap or grounding cable to connect yourself at all times to the earth connector of power socket or a grounded object.
- Place all components containing ESDs on a static-safe base.
- The equipment and tools you use must be free of static charges.
- Always hold boards with ESDs by their edges. Do not touch the components.
- Never touch pins or conductors on boards fitted with ESDs.

Important Notes

The following safety instructions should be read carefully and strictly observed when handling technical appliances and before doing any work on the device. Further safety, installation and maintenance instructions can be found in the manuals available on the internet.

Should you have any questions, please contact your dealer or our service department.

Devices supplied by Diebold Nixdorf comply with the respective safety regulations for data-processing devices and information technology devices, including electrical office equipment for use within an office or store environment.

- Always consult the installation and operating instructions before doing any work with an appliance. These manuals are available on the internet (see above).
- If an appliance is brought into the service area from a colder environment, condensation may occur. The appliance must be absolutely dry before activation. This requires an acclimatization time of at least two hours.
- Observe warning and information labels on the device.
- Appliances that are equipped with safety tested power cables must be plugged into a grounded socket.
- Always lay the supply leads and cables in such a way that they cannot be stepped on or tripped over.
- Make sure that there is always free access to the grounded sockets used or to the electrical circuit-breakers of the house installation.
- Check that the set nominal voltage of the appliance corresponds to the local mains voltage.
- In order to completely separate the appliance from the mains voltage, switch off the appliance and disconnect it from the mains.
- Ensure that no foreign objects (e.g. paper clips) or liquids enter the housing of the appliance. This may result in electric shock or short circuit.
- Always keep the ventilation slots free of obstruction to ensure adequate air circulation and avoid overheating.
- Data cables must not be plugged in or unplugged during electrical storms.
- Always hold the plug when removing the power cable or other cables. Never pull the cable itself. Have damaged power cables replaced immediately.

- Only use accessories and extension components that have been approved by Diebold Nixdorf. Nonobservance can result in damage to the device or violations of regulations concerning safety, radio interference and ergonomical requirements.
- Protect the appliance from vibrations, dust, moisture and heat.
- Transport the appliance only in its original packaging (to protect it against knocks and bumps).
- In case of an emergency (e.g. damaged controls or power cables, liquids or foreign objects in the device) take the following steps:

  Deactivate the device immediately by:

  - Disconnecting the plug connector of the power supply cable from the grounded socket in the building installation.

  - Inform the customer service responsible for you.
- Properly dispose of worn out parts that may be environmentally hazardous (e.g. batteries).
- **If** a **lithium battery** is supplied with the appliance, ensure that the battery is replaced with an equivalent type. Otherwise there is danger of explosion! Lithium batteries may only be replaced with identical types or other types recommended by the manufacturer. Batteries must be disposed of according to **local regulations** on the disposal of **special waste**.
- Appliances may only be repaired by authorized technicians. Unauthorized opening of the housing or inexpert repairs can result not only in considerable personal danger, but will also invalidate your warranty and liability protection.

LCD Displays

If the display element is damaged and the liquid crystal solution leaks out onto your hands or clothing, please wash your hands or clothing immediately under running water for at least 15 minutes, using soap or alcohol. If the liquid comes into contact with your eyes, consult a **medical doctor immediately.**

Before opening the device, make sure, that the device is disconnected from the main power supply. Only authorized personnel is permitted to open the device.

Connecting the CINEO C1030

The delivered system is completely configured. There are just a few things to do before starting up the CINEO C1030.

Start up

The power supply system must be equipped with separately guided protective earth conductor (PE). This kind of electricity system is known as TN-S network. Do not use PEN conductors!

Ratings of CINEO C1030:

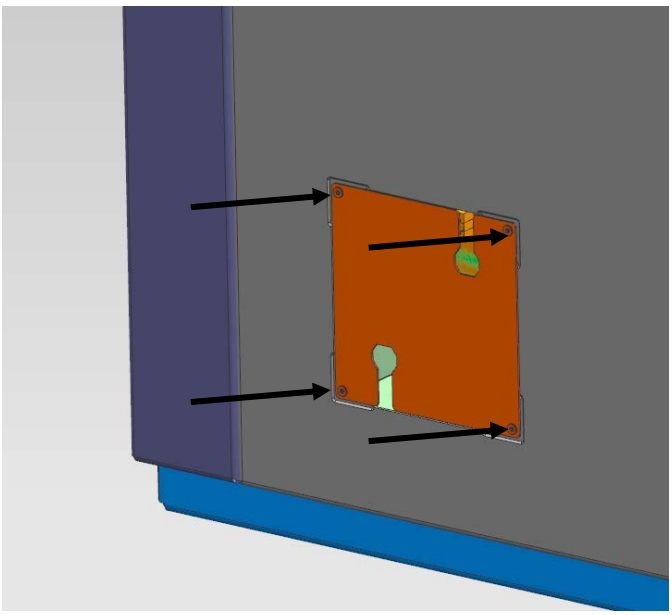
- 100-120V / 200-240V
- 2 / 1A
- 60 / 50Hz

Power Connection and LAN Support

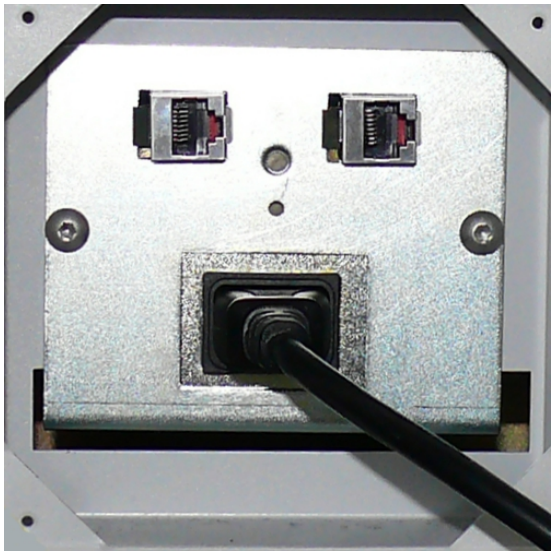
The CINEO C1030 supports Ethernet 10/100 BASE-T local area network (LAN) communication protocol. The CINEO C1030 provides a female RJ-45 connection port for the LAN.

LAN and power supply will be connected at the rear side of the device.

- Remove four screws at the back of the device.



- Plug the power plug to the house installation.
- Plug in the power and the LAN cable (optional).

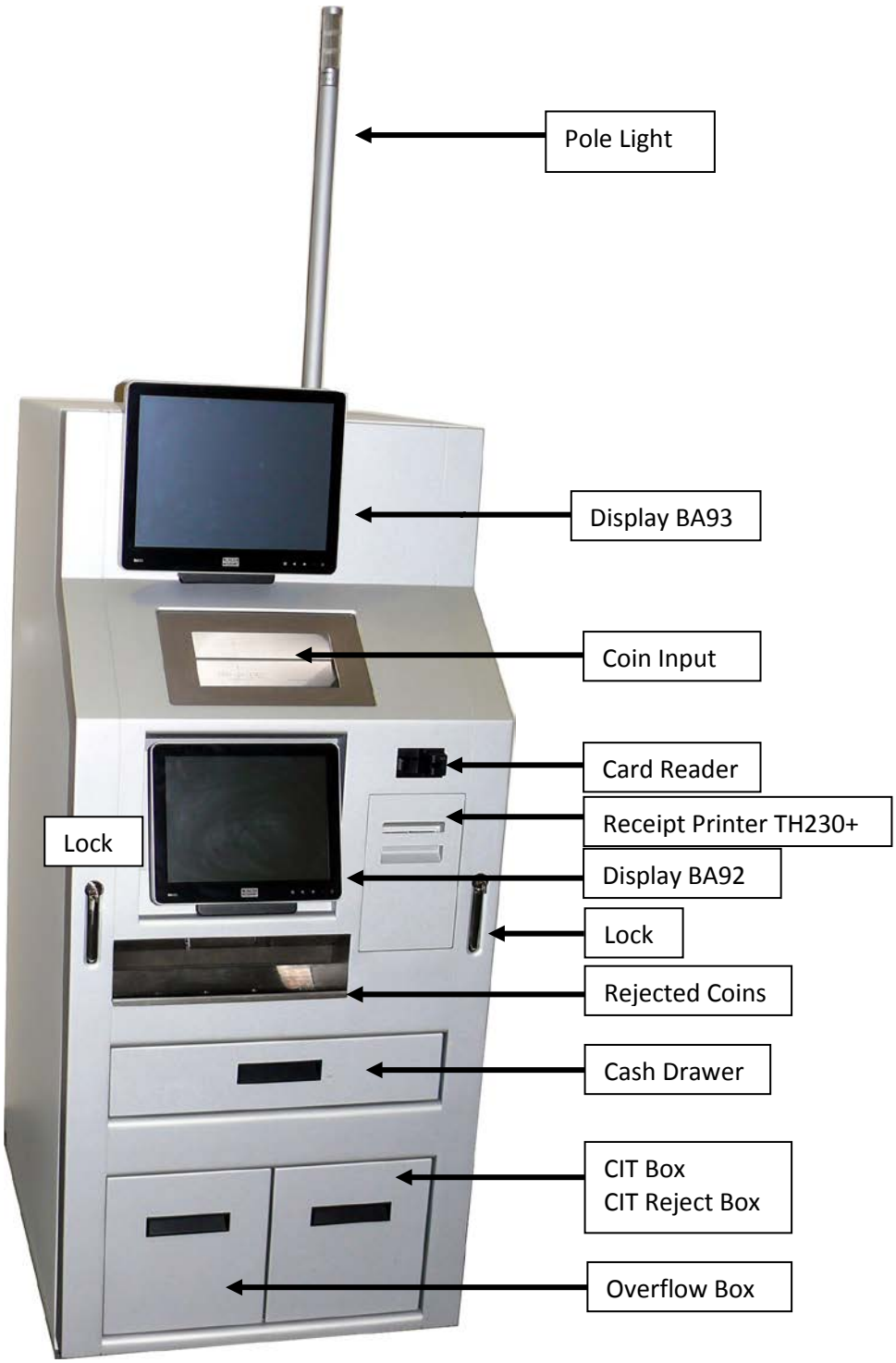


- Unlock and open the front door of the CINEO C1030.
- Push the switch at the power distributor to position 1 and the systems starts up.

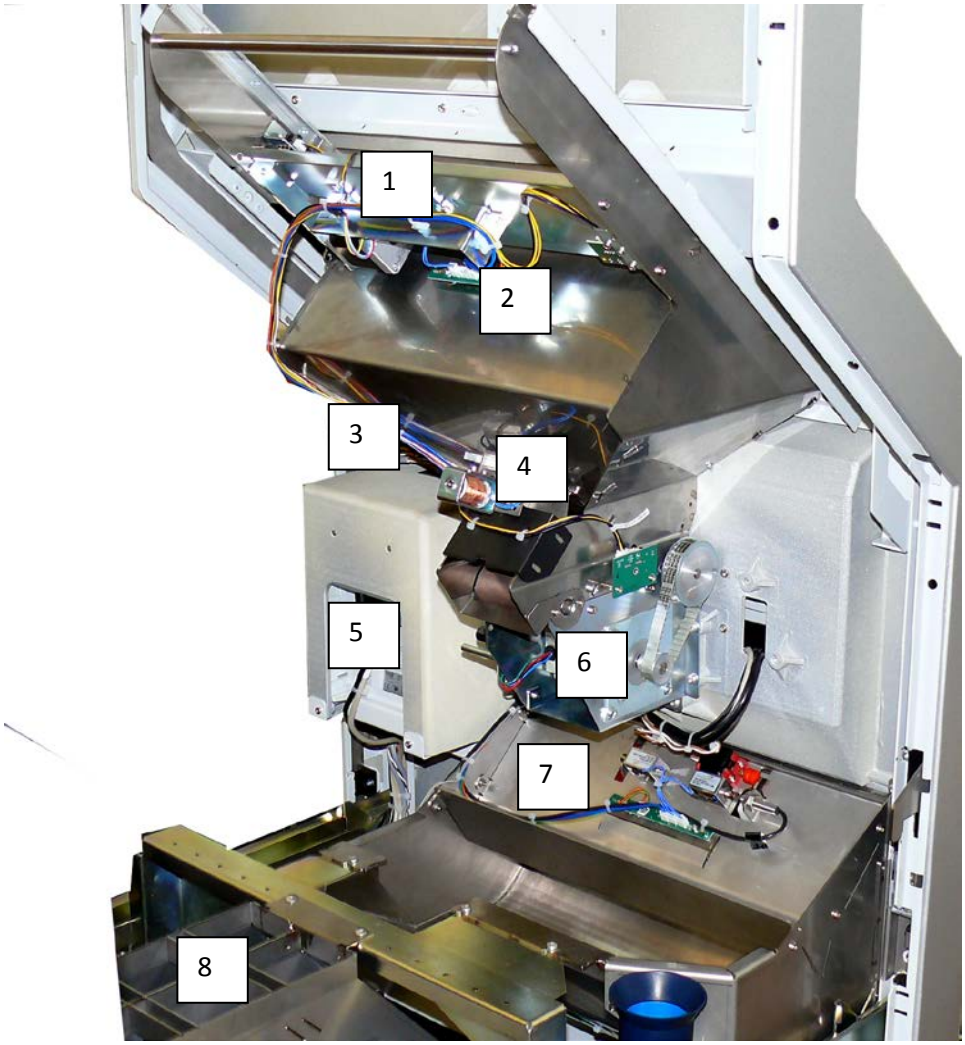
Disconnecting the System from the Mains

- At first shut down the system by the software application.
- Switch off the system at the power distributor (switch position 0).

Components

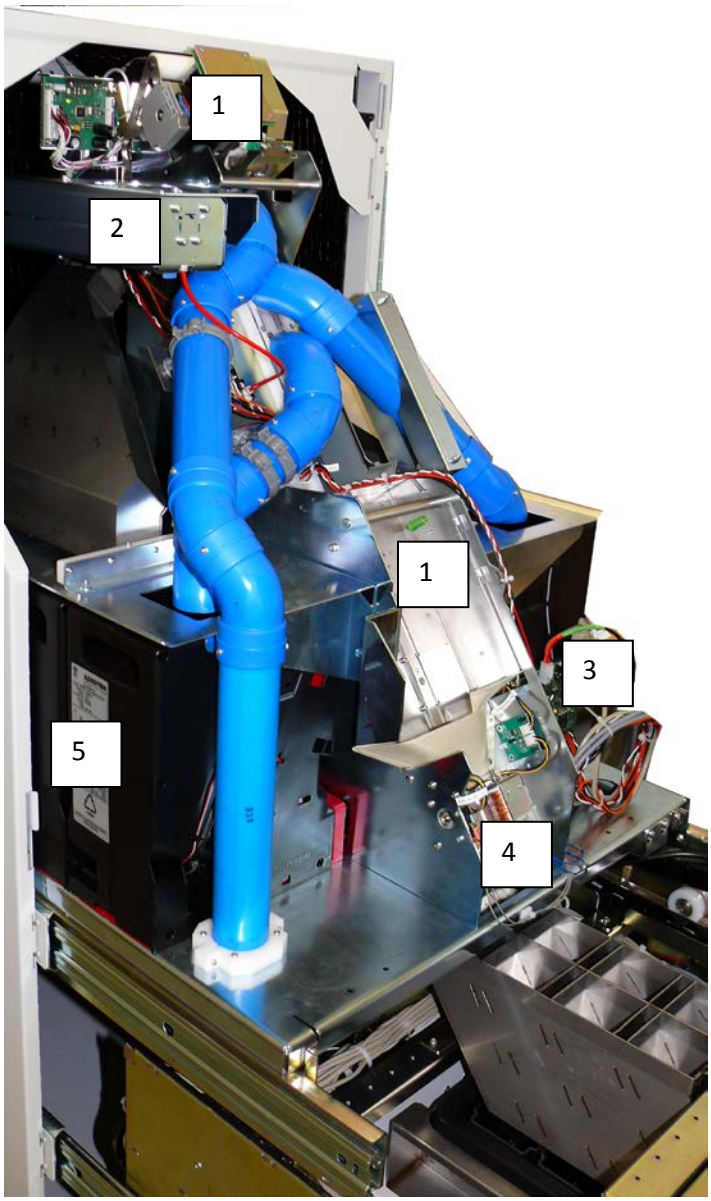

Pole Light
Display BA93
Coin Input
Card Reader
Receipt Printer TH230+
Lock
Display BA92
Lock
Rejected Coins
Cash Drawer
CIT Box
CIT Reject Box
Overflow Box

Coin in Unit



1	Shutter Drive	2	Lightning Print
3	Card Reader	4	Spring Gate
5	Printer	6	Feed in Drive Unit
7	Reject Tray	8	Cassette Filling

Conveyor Unit



1	Conveyor Unit	2	Air Generator
3	Main Controller	4	Agitator
5	Hopper		

Opening the CINEO C1030

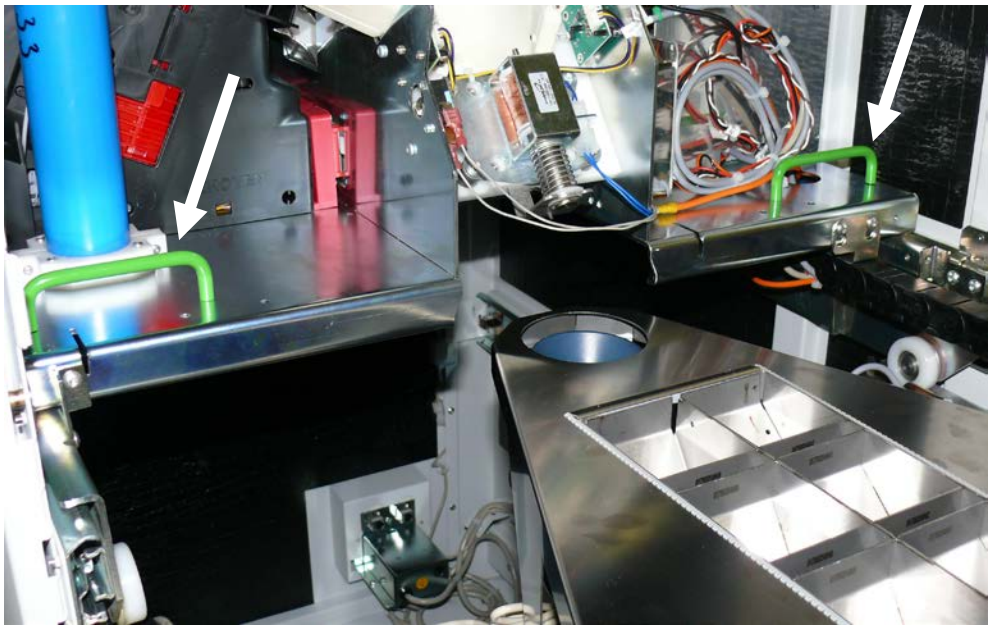
Switch off the device. Unlock the CINEO C1030...

…and completely pull out the carrier.

Pulling out the Conveyor Unit

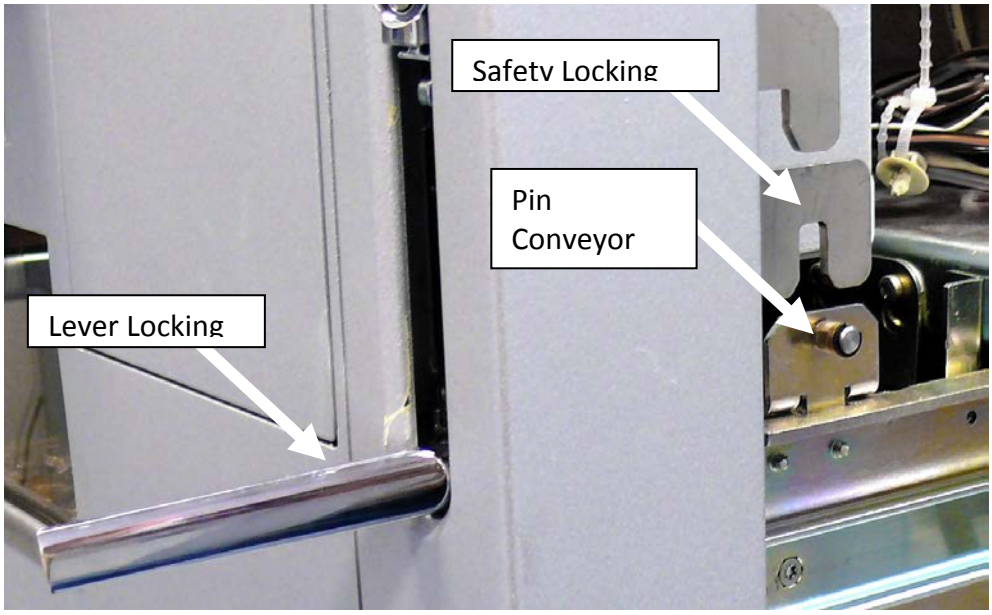
To pull out the unit you must hold it on the green levers only.

Pull out the carrier and afterwards the conveyor unit while holding the green levers.



Safety Feature Conveyor Unit

For all works on the conveyor and behind it (as with the BEETLE /S-II) secure it in its position. Being pulled out, the safety lock is in position shown below.



Close the locking upwards and the conveyor is fixed in place for safe working.

Coin Recyler Module CM3S-R

Introduction

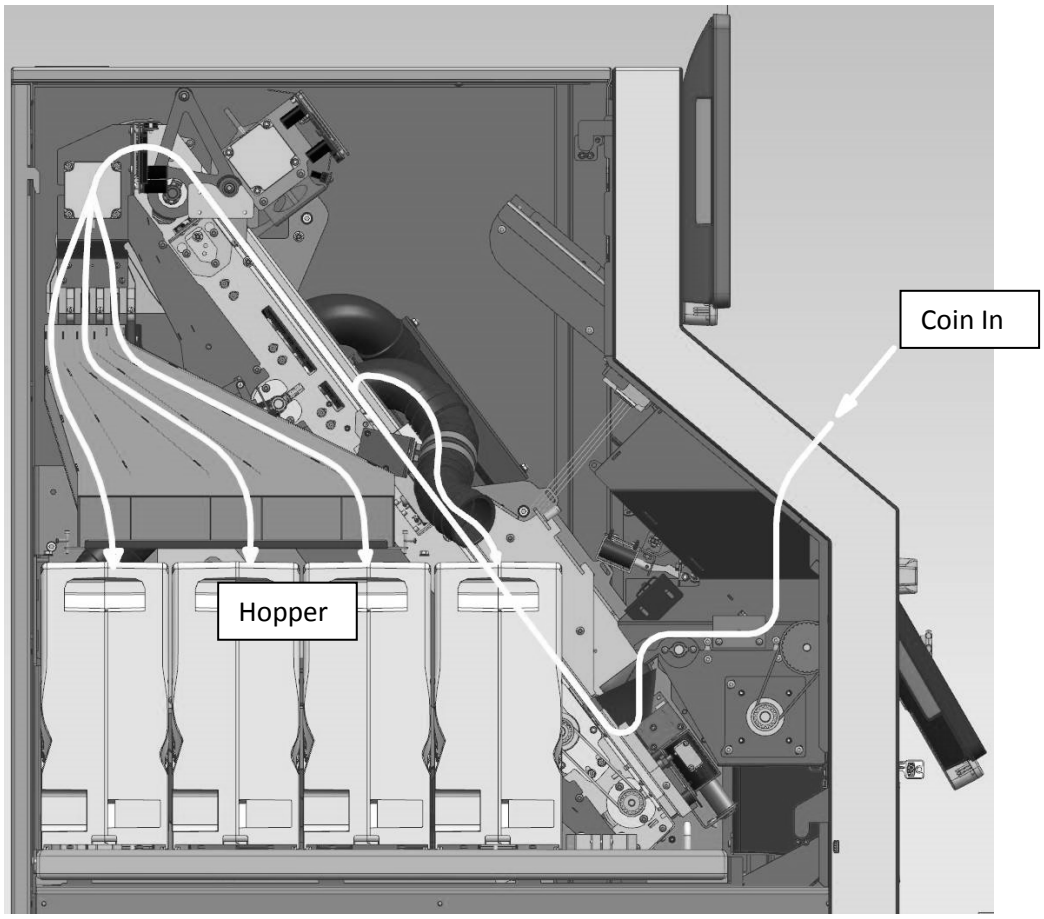
The coin module is a coin deposit / coin dispenser module which has been designed for indoor installation. The device is operated via the product-specific software for the system unit (PC) connected to the device.

Deposits are made by placing one or more coins in the coin entry tank. From here, they are transported to the separator disk. Coins are fed via the coin validator to the transport chain conveyor, where they are transported to the appropriate coin hoppers and stored. Coins of one denomination only can be stored in one coin hopper. The configuration of the eight available coin hoppers is preset in the factory and cannot be changed.

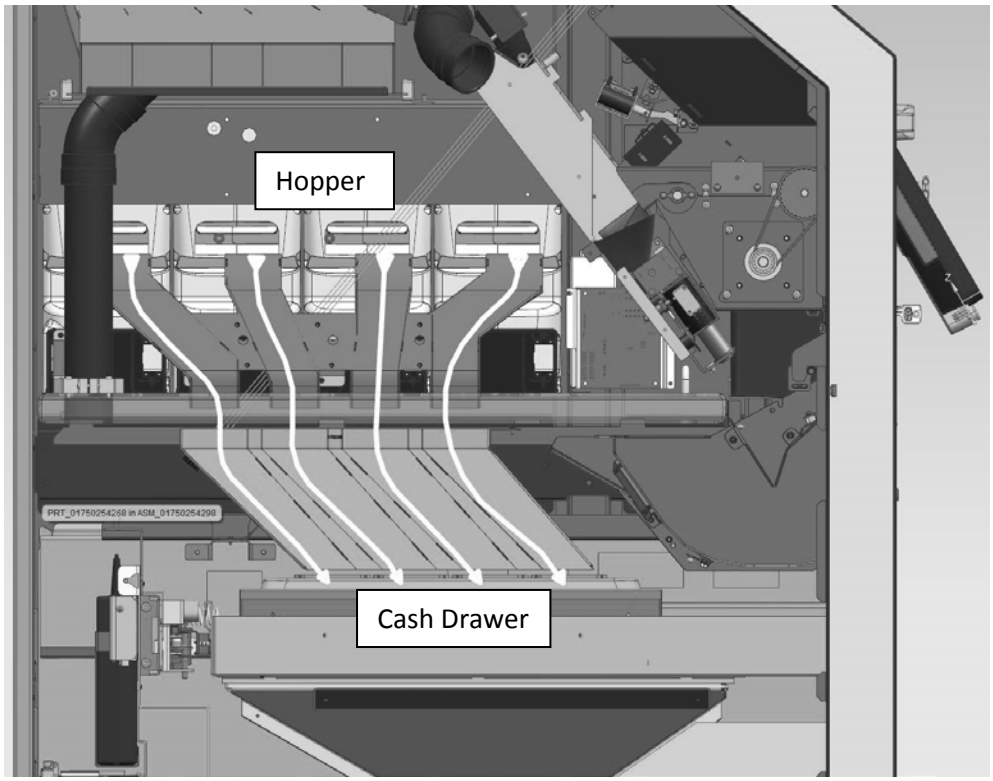
Coins are dispensed to the cash drawer from the coin hoppers.

Coin Paths

Payment



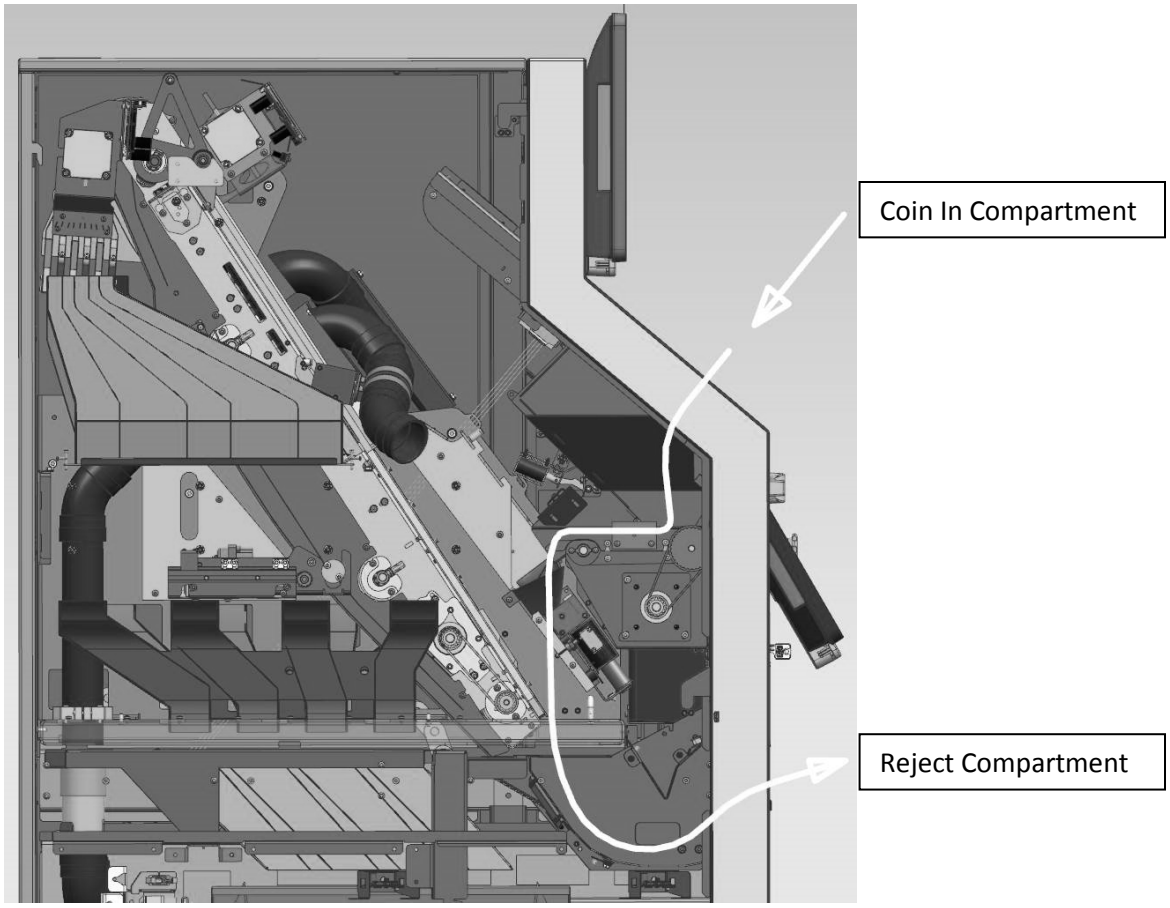
Pay-out in Cash Drawer



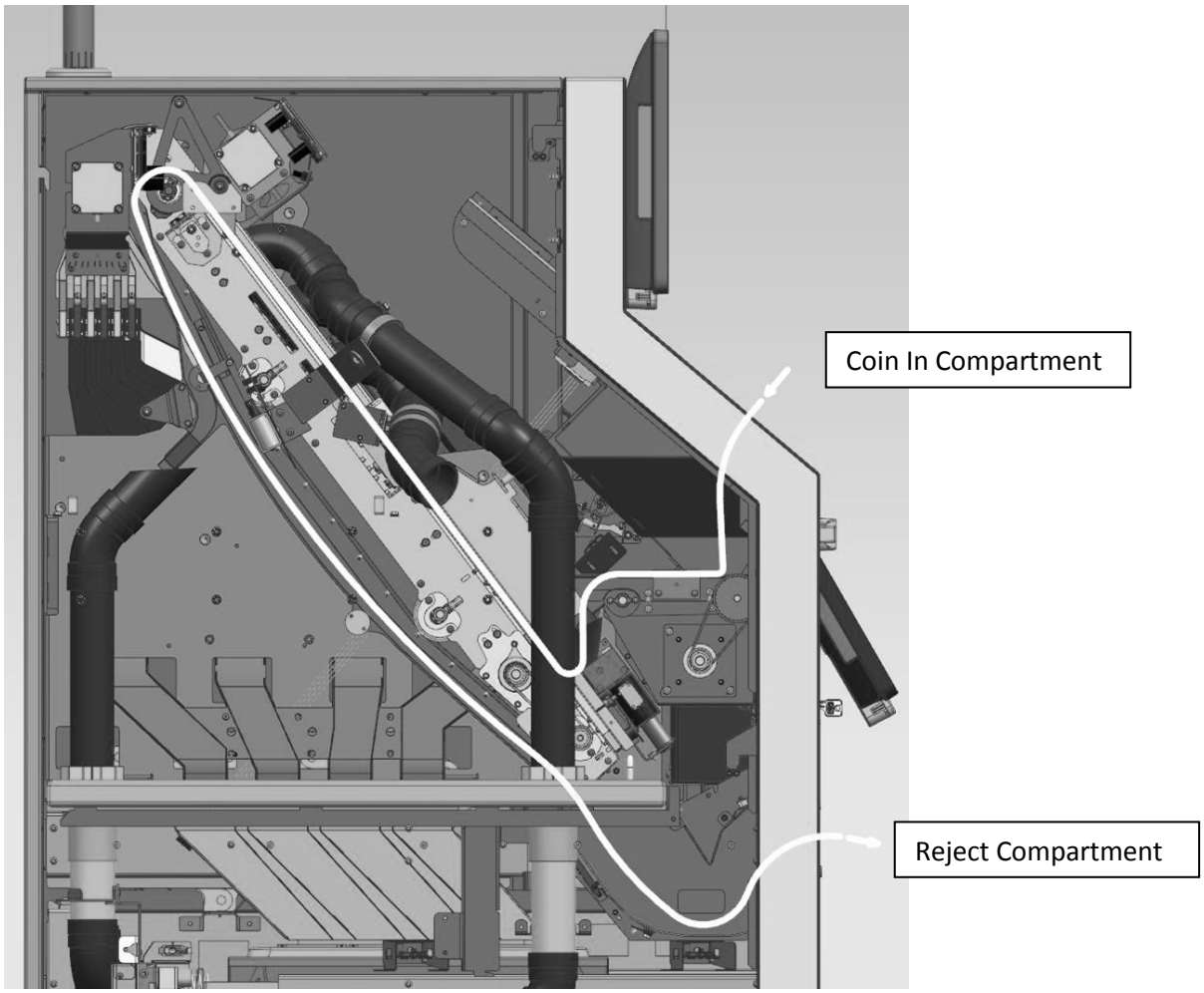
Payment Process aborted

The deposit process can be aborted for the following reasons:

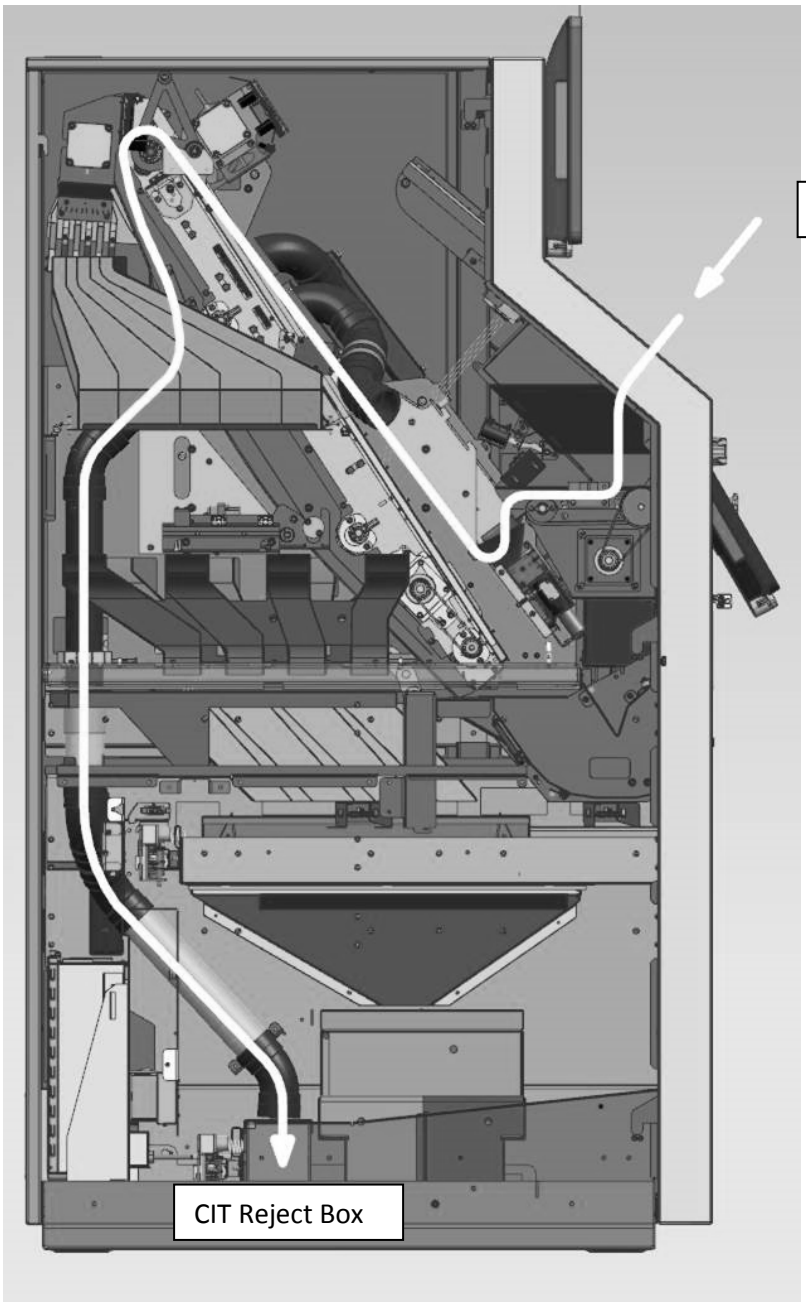
- due to a block that cannot be rectified automatically or
- due to termination by the user



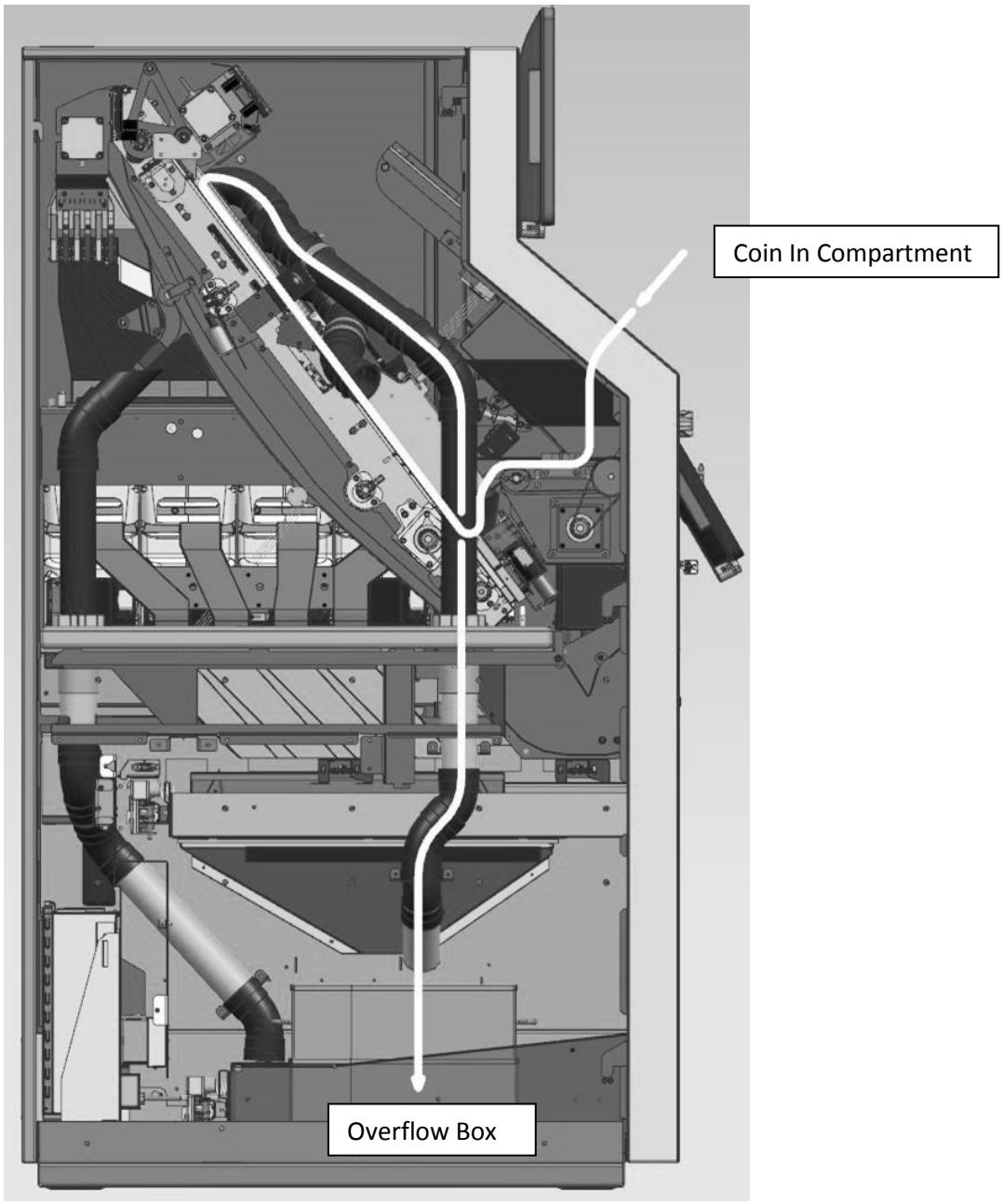
Returned rejected Coins and Coin-like Objects (Foreign Coins)



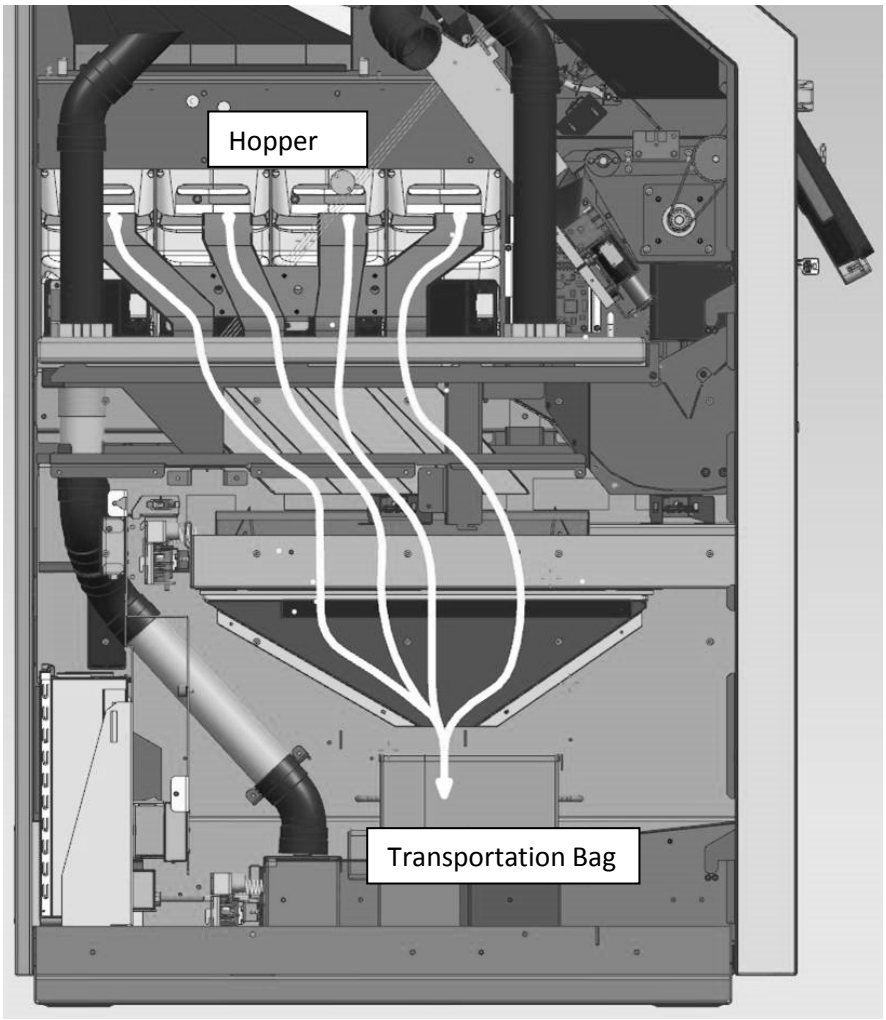
Coin like Objects in CIT Mode



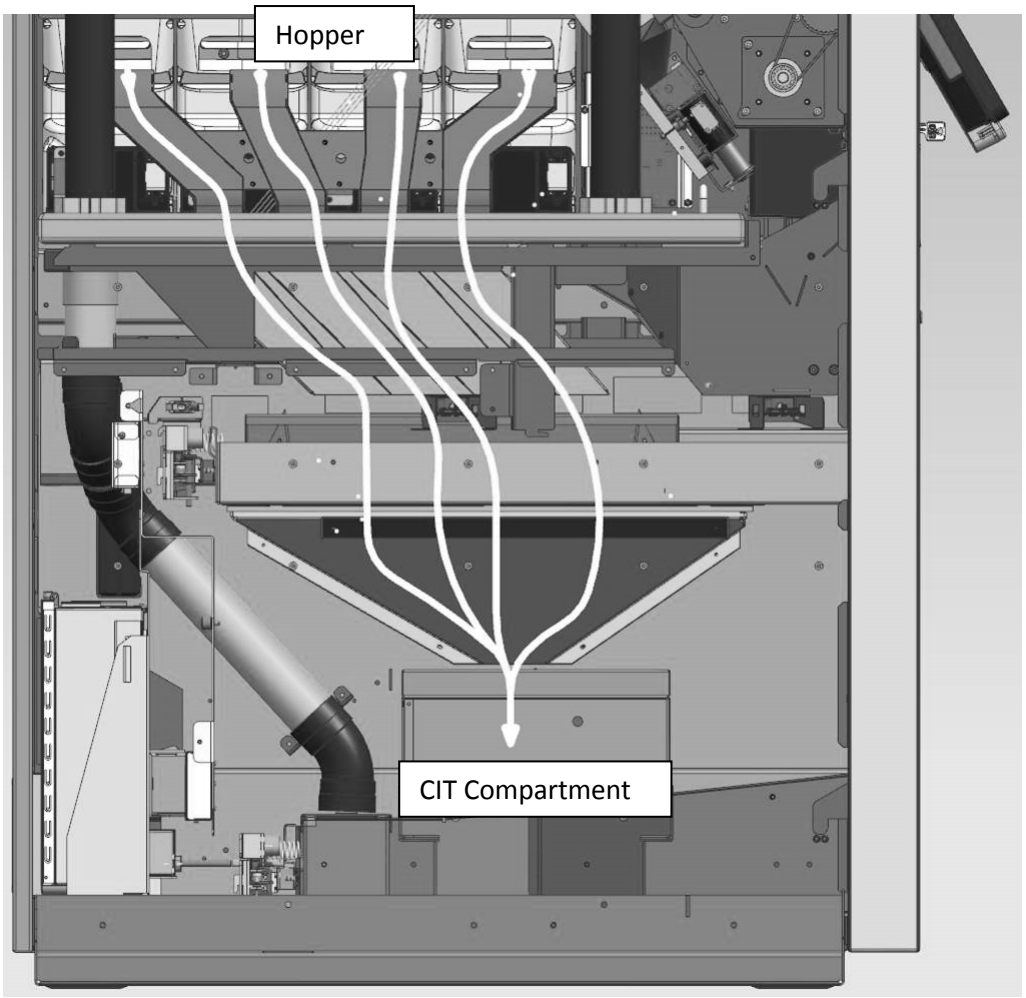
….to Overflow Box, when Hopper is full



Transportation Bag



CIT Box



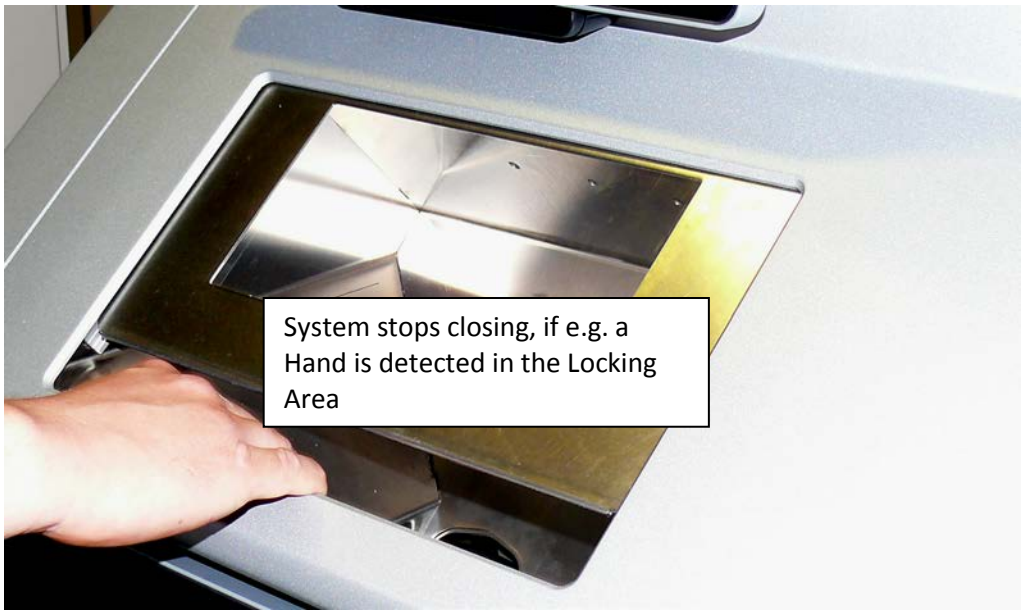
Coin In Compartment

When the coin-in compartment is opened the coins are distributed into the coin hopper.

The coins must only be filled into the coin in compartment up to the maximum fill level of coins.

Safety Feature Coin In Compartment

The software detects objects in the locking area and stops the closing procedere three times before opening again.



Reject Compartment

The reject compartment is used to return:

- rejected objects
- rejected coins (coins which are not recognized as being authentic)
- all coins of the current transaction not counted during deposit process, if a deposit procedure is aborted

i For counted coins you will get a credit voucher.

i The return tray should be cleaned regularly to ensure the functional reliability of the coin deposit module.

Emptying the Reject Compartment

i The reject compartment is enclosed by a transparent cover.

The cover is opened and locked via software and/or the Service and Operating Program (SOP).

If coins and/or objects are returned, the return compartment is illuminated internally.

Cleaning the Reject Compartment

Activate the product-specific software.

Unlock the transparent flap of the return compartment by using the product-specific software.

Press the transparent flap for the return compartment inward (see arrow).

Clean the return compartment and remove foreign objects from the return compartment.

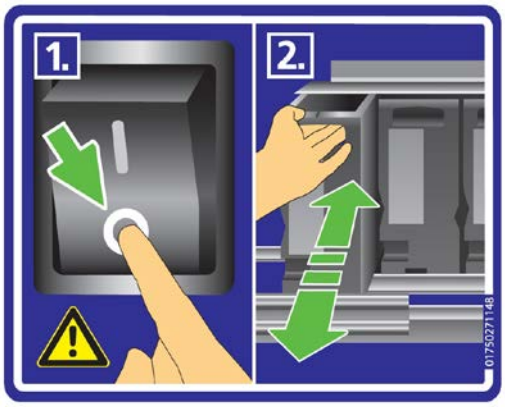
Close the transparent flap of the return compartment.

Lock the transparent flap of the return compartment by using the product-specific software.

Exit the product-specific software.

Hopper

Switch off the device before removing a hopper. Otherwise damages may occur.



Insert the hopper always into the same position as installed before.

The hopper must be inserted as shown in the picture below. The label must be visible from outside.

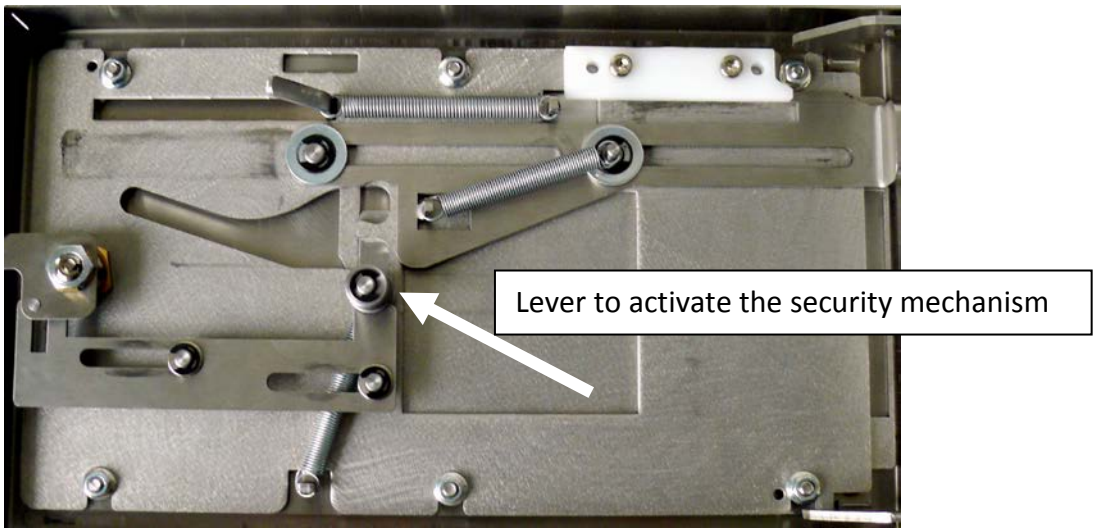
CIT Box

The CIT box will be installed for a safe transport method for coins.

i To prepare a CIT box you need an empty, unlocked box and the key.

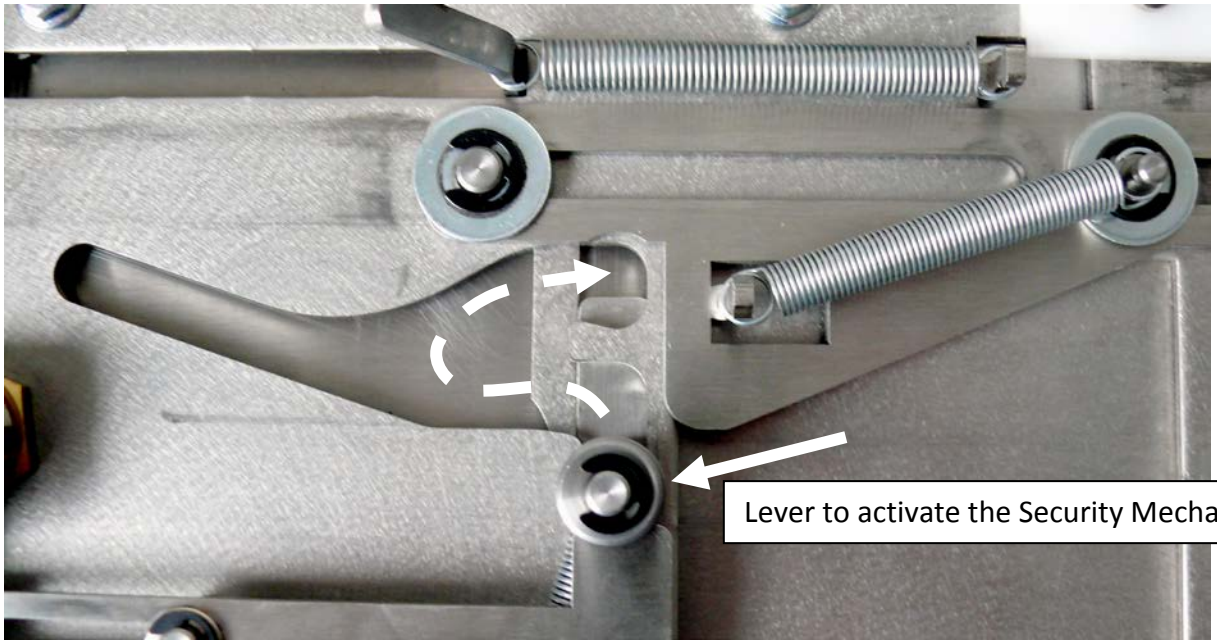
Preparing to fill the CIT Box

Complete interior View of CIT Cover

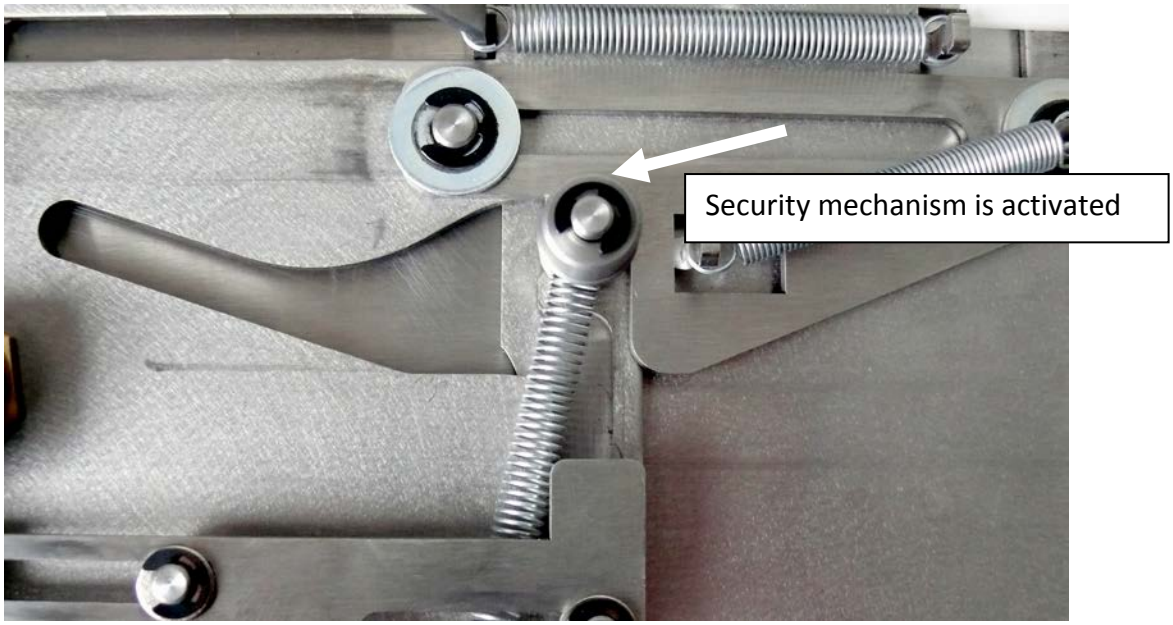


Activating the Security Mechanism

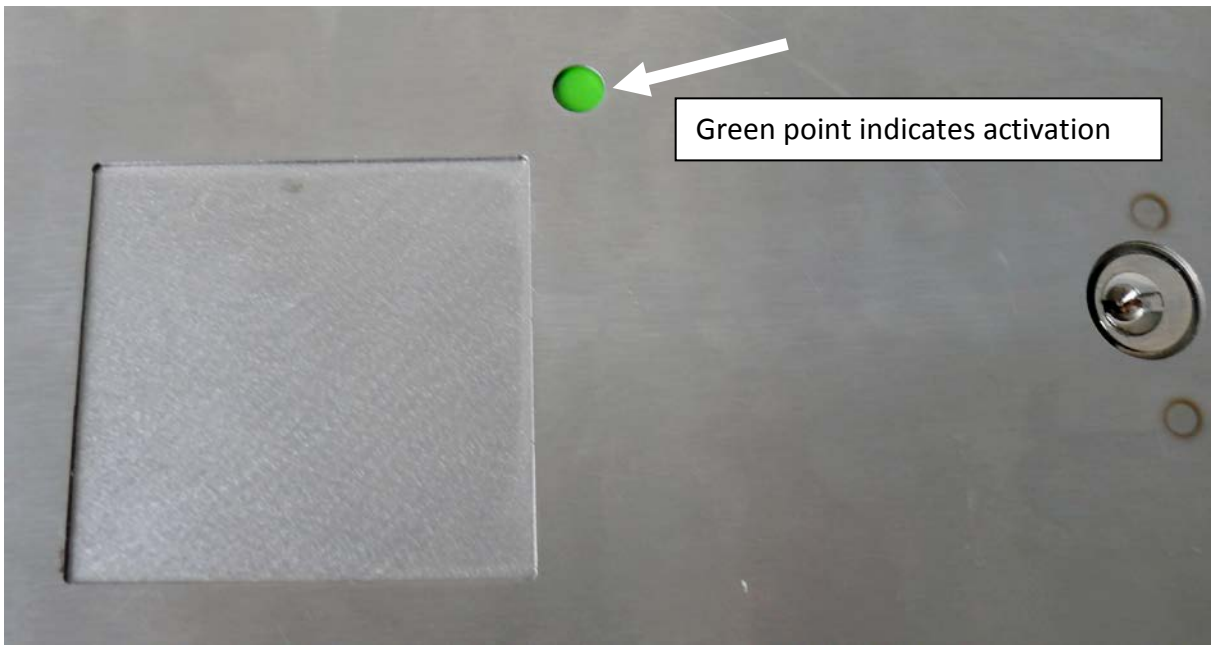
Grasp the lever (see arrow) and move it in the direction shown with the dotted line.



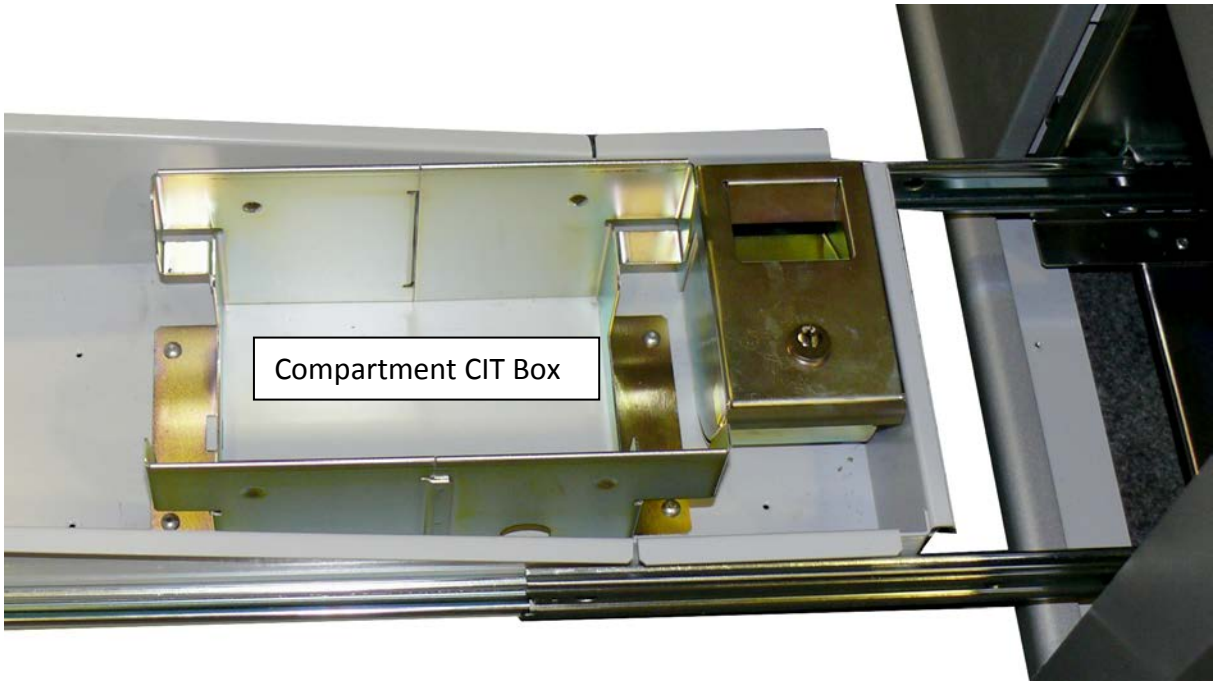
Mechanism is activated, when the lever is in position.



Lock the CIT box with the key. The box is ready for use in the CINEO C1030. The green point on the cover indicates that the box is correctly activated.

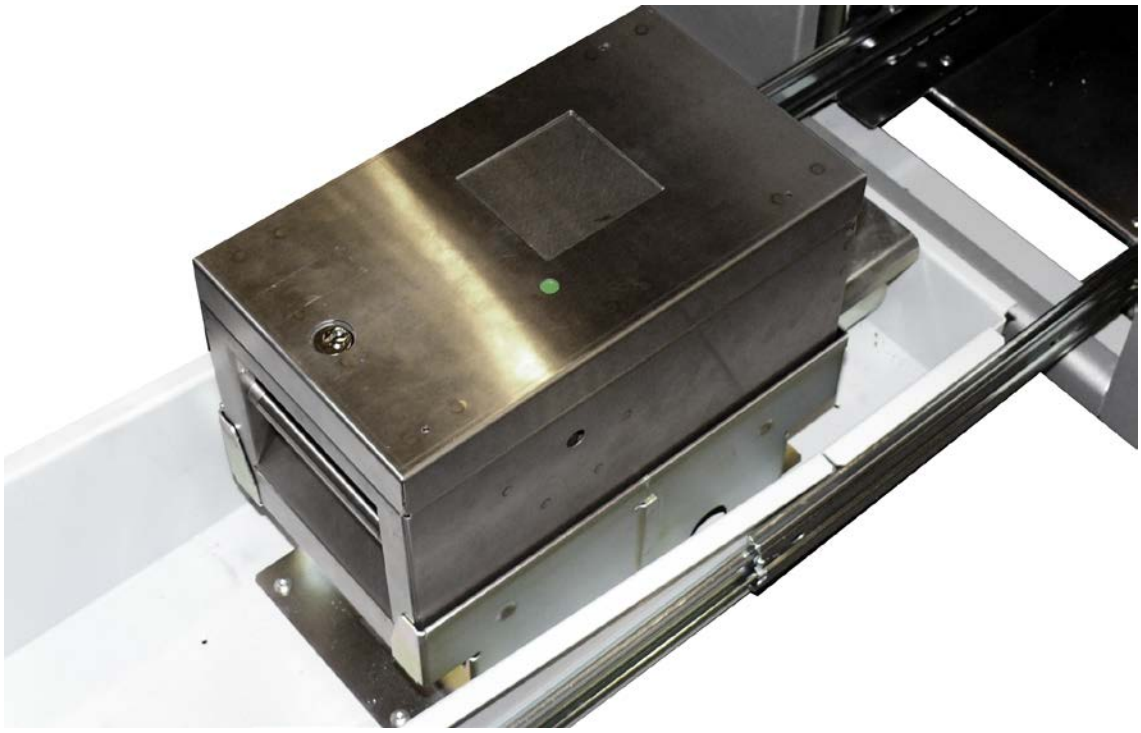


Compartment for the CIT box in the CINEO C1030.



Installing the CIT Box

Open the CIT compartment using the software application. Install the CIT box in the position as shown in the picture below and close the compartment.



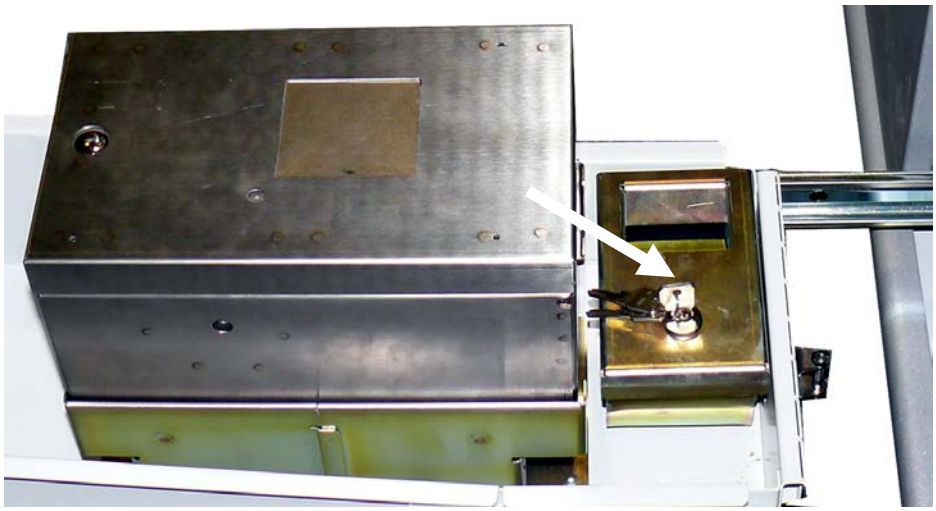
The CIT box is ready to be filled.

i The filling process will be started via the software application.

CIT Reject Box

During the filling process it is possible that coins will not be accepted. These coins are falling into the reject box.

Open the CIT compartment via the software application. To remove coins from the rejct box you need the key. Find the reject box beside the CIT compartment.

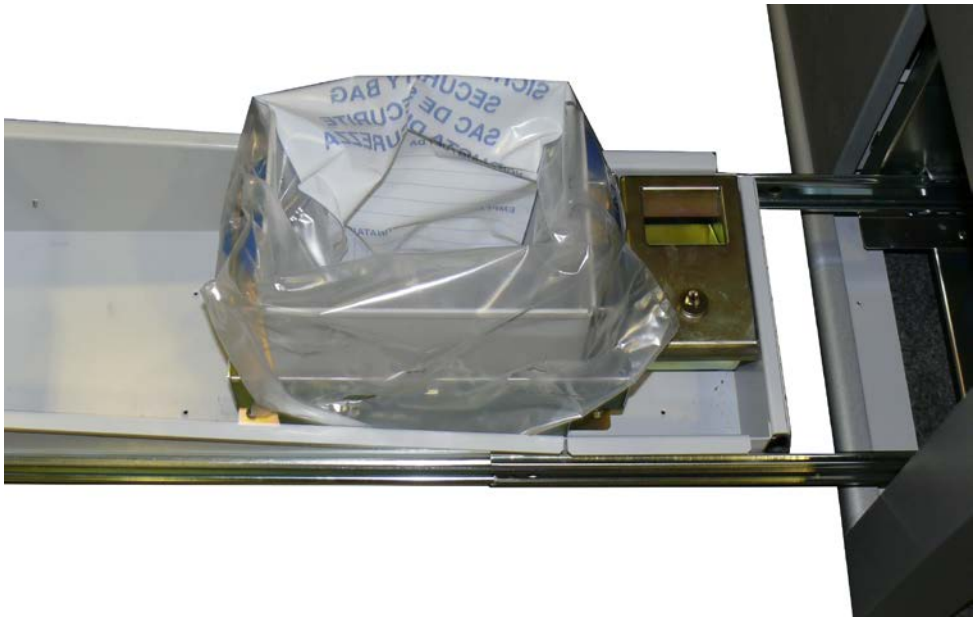


Transportation Bag

Another possibility for a safe coin transport is the transportation bag. Open the CIT compartment via software application.

Put the transportation bag into an empty box and install it in the CIT compartment.

i Check that the transportation bag is exactly installed, so that no coin can fall beside during the filling process.

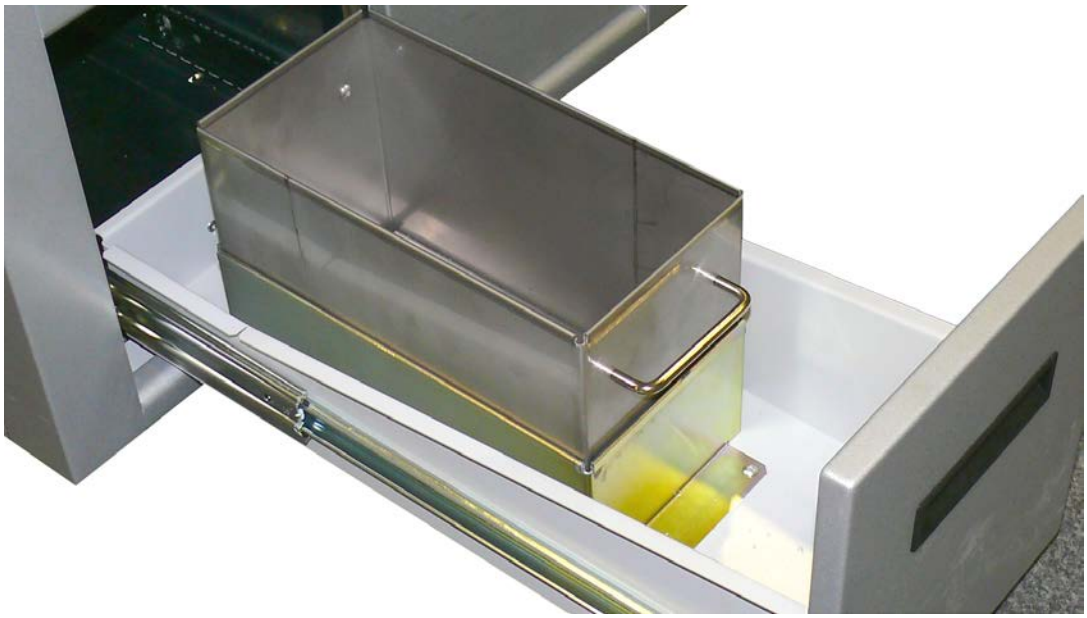


Close the CIT compartment and start the filling process via the software application.

Coins Overflow

Coins which can not be filled into the hopper, will be transferred into the overflow box.

To remove them, open the compartment via the software application.



Remove the coins and close the compartment.

Printer TH230+

Open the flap with the magnetic key.

After the door opened downwards you reach the printer TH230+.

Safety Instructions

Do not touch the cutter and tear bar of the printer.

The print head is a thermal element and it is at high temperature during printing or just after operation, therefore please do not touch it and its peripherals for safety reasons.

The thermal head is an ESD-sensitive device. To prevent damage, do not touch either its printing part or connecting parts.

Caution:

- Do not allow the printer to start printing when there is no recording paper installed, otherwise the print head and platen roller will be damaged.
- To ensure quality print and normal lifetime, use recommended or good quality paper.
- Shut down the printer when connecting or disconnecting interfaces connectors to avoid damage to the control board.
- Set the print darkness to a lower grade as long as the print quality is acceptable. This will help to keep the print head durable.
- Operate the printer only with power supplies and cables approved by Diebold Nixdorf.
- Keep this manual safe and at hand for ready reference.

Operator Panel

FEED

If you push this button once and release it, the printer feeds paper for one line (1/6 inch).

If you push this button and hold it down, the printer feeds the paper as long as the button is not released.

The button can be locked by the application software and then will be without function.

POWER

All LED off:	power is not stable
Green POWER LED on:	power is stable
Green POWER LED blinking:	printing speed may be low (*) if necessary contact your technical support
Green POWER LED flashes:	printer in idle mode

(*) The printer will run with the lowest power value (48W) if a non current power supply unit from Diebold Nixdorf or an external power supply unit without automatic current identification is used.

With a suitable power supply unit type the maximal power value can be defined with the configuration menu from 48 Watt up to 90 Watt.

PAPER

Yellow PAPER LED off: Paper is properly inserted.

Yellow PAPER LED on: Paper roll is near end.

Yellow PAPER and red ERROR on: Paper end is reached.

ERROR

Red ERROR LED off: Normal condition

Red ERROR LED on: Not ready for operating. Printer cover is not closed or in combination with Yellow PAPER LED on, paper end is reached

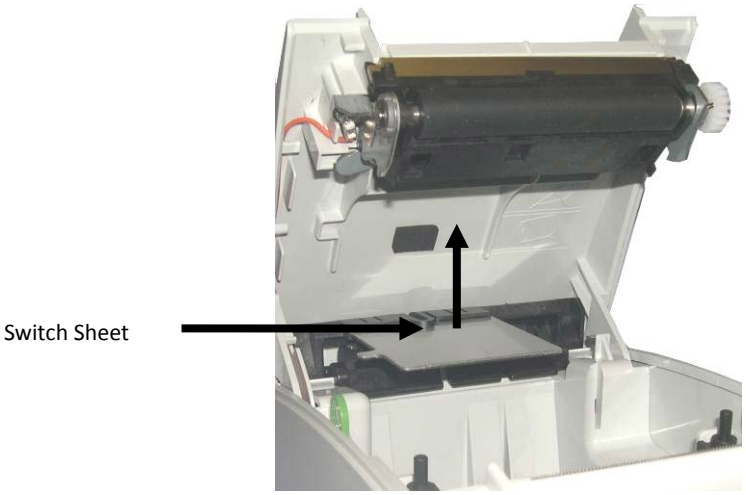
Red ERROR LED blinking: An error occured. Switch off the printer and on again. Contact your technical support if this does not work.

LED overview

	POWER green	**PAPER yellow**	**ERROR red**	**Meaning**
	off	off	off	No power
Operation	on			Power on
	blinking			If necessary call for technical support
	flashing			IDLE mode (power savings)
		off		Paper properly inserted
Paper		on		Paper near end
		on	on	Paper end
Error			blinking	If necessary, call for technical support
			on	Cover not closed

OPEN

Press this button to unlock and open the cover. Thereby, the switch sheet flaps into an upright cover position



If an error occured do not open the cover with force.

Open the printer cover only if the cutter is in its home position. Otherwise the cutter or the cover may be damaged.

Paper Roll Exchange

For a paper roll exchange follow the steps below:

- Open the flap with the magnetic key.

- Open the printer cover (see previous chapter).
- Remove the (nearly) empty paper roll and any residual paper.
- If necessary, clean the print head and the rubber roller.
- Unwind the outer layer (winding) of the paper roll.

Insert the paper roll.

Lay the unwinded paper over the front edge of the printer.

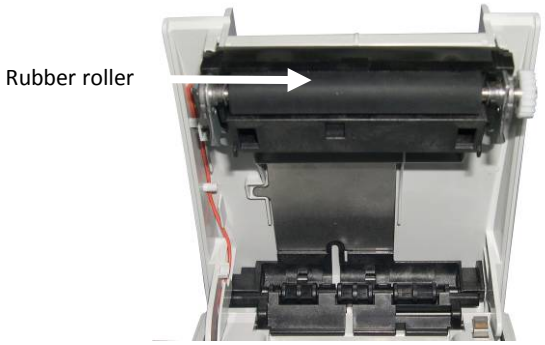
Hold down the paper and close the printer cover. Press on the middle of the cover until it audibly and distinctly locks into place.

Tear off residual paper at the tear-off edge.

Maintenance of the TH230+

Print Head / Rubber Roller Cleaning

Clean the print head and the rubber roller at least every three months. In case of an intensive use of the printer clean both items more often to guarantee a stable print quality.

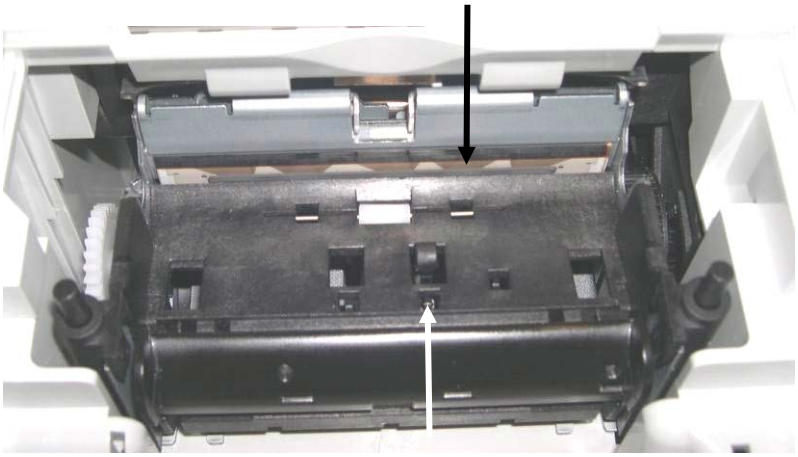


Open the printer cover and remove the paper-roll; the rubber roller and the print head mechanism are then visible.

Let the print head cool down before cleaning it.

Clean print head and rubber roller with a soft lint-free cloth moistened with pure Isopropyl alcohol (e.g. ISOPADS which can be ordered from Diebold Nixdorf).

Visually inspect the print head. If you can still see dirt, the cleaning procedure must be repeated. You can identify the relevant and important thermal element zone by the thin line crossed by wires.



Paper end sensor

Pay attention not to damage the paper end sensor when cleaning the print head.

Do not touch the rubber roll with your fingers.

While cleaning turn the rubber roller by hand with the lateral gear wheel make sure that the entire roller will be cleaned.

Cleaning the print head not properly may cause an early failure.
Wait until the isopropyl alcohol has evaporated.

Insert the (new) paper-roll and close the cover. Print out a test ticket (see application handbook) and verify the printing quality (density, alignment and consistency).

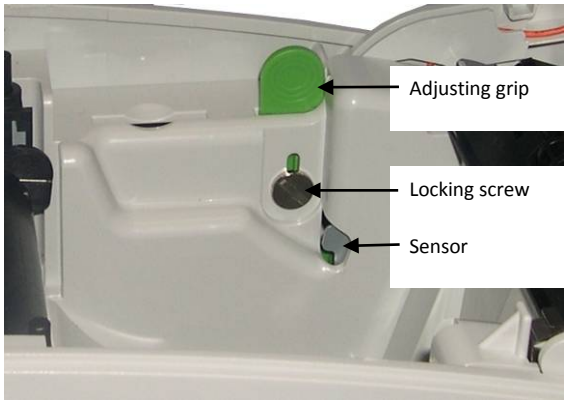
Paper Near End Sensor Adjustment

The paper end premonition is a control function. It allows to adjust a predefined amount of remaining paper on the roll.

The paper end premonition depends on the core diameter and the paper thickness of the paper roll in use.

You can adjust the remaining amount of paper yourself follow the steps below:

- Open the printer cover.
- Remove the paper roll.
- Loosen the locking screw at the inner wall of the printer for instance with the aid of a coin (do not remove the screw).



Move the adjusting grip to determine the remaining paper amount. A lower distance mark (adjustment grip downwards) will cause a lower amount of remaining paper and vice versa:

The scale reaches from 0.5mm to 12.5mm.

After determination of the distance mark:

- Tighten the locking screw
- Insert the paper roll
- Close the printer cover and lock it

Technical Data

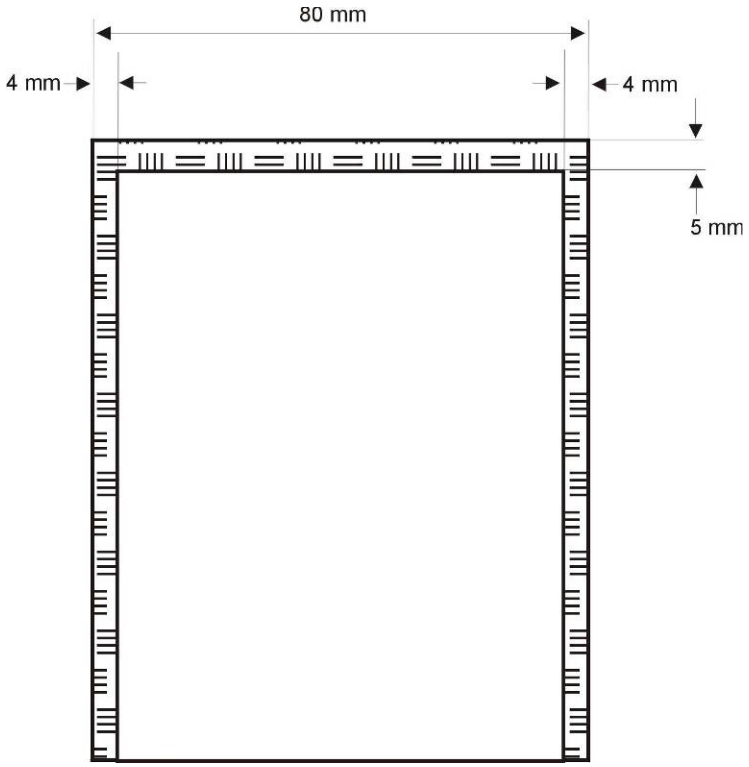
Technology	High-speed thermal print
Resolution	8 dots/mm (203 dpi)
Printing speed	One colour: 220 mm/s, Two colours: 110 mm/s TH230+ draft mode up to 300 mm/s (reduced density)
Cash Drawer Interface	6pin RJ12, 1A@24V max.
Interface Options	USB 2.0 full speed, PoweredUSB, RS232c, Ethernet
Cutter	Material: tempered steel Speed full cut: < 300ms
Paper Transport	Forward; to use paper to full capacity after cutting: up to 12mm backwards (approx. 3.5 lines at 7.52 lpi)
Control Functions	Print head temperature control with adjustment of Print speed Paper near end control and paper end control Paper cutter error message Printer cover open/closed Self test with printout
Option	Paper width 57,5mm, print width =51mm = 408 dot
Housing Colour	light grey or black
Power Supply	24 V DC Automatical and manual capacity control: 48 – 110 Watt
Dimensions	148 x 145 x 195mm (H x W x D)
Weight	approx. 2kg (w/o paper roll)
Features	Simple Paper roll exchange: Optional two colour print with special paper (100mm/sec) Paper near end message: adjustable by user

Statistical Data	Total number of dots Total line feeds Total number of cuts Max. head temperature Paper jam counter Cutter error counter Thermistor error counter High voltage/low voltage error counter Number of firmware updates Power on time in hours Power on counter
Graphic Feature	TH230+ is fully graphic-compliant

Paper Specification

Paper width	79.5mm - 80mm optionally 57.0 - 57,5mm
Paper weight	55g/m² ± 5 g/m²
Paper thickness	0.055mm – 0.08mm
Thermo-Coat	Outside of paper roll
Paper roll outer diameter	90mm max.
Paper roll width	80.3 mm max.
Paper length	~100m
Core size	Core diameter: 10mm +2mm Wall thickness of the core: 2mm ± 0.3mm; Paper end not glued to core. Length of paper fold over at core: max 35mm

Print Area



For optional paper width 57,5 mm,
print width =51mm = 408 dot

Displays

BA93

The TFT LCD flat panel display is an XGA-compatible 15-inch flat panel display which is absolutely flicker-free and free from radiation. lt is designed for a resolution of max. 1024 x 768 pixel. Application programs should use this resolution.

BA92

The TFT LCD flat panel display is an SVGA-compatible 12.1-inch flat panel display which is absolutely flicker-free and free from radiation. lt is designed for a resolution of max. 800 x 600 pixel. Application programs should use this resolution.

Projected capacitive Touch Screen

General Information

The use of projected-capacitive touch screens has all the benefits a normal capacitive touch screen has:

- fast processing of touch information
- high sensitivity (use with hands, conductive pencils and also with thin gloves)
- high resolution
- improved legibility and display brightness due to optimal light transmission

In addition the technology of projected-capacitive touch screens is characterized by significant higher robustness and stability, because the active touch surface – different from common capacitive touch screens which were used until now - is located on the back side of the touch screen.

Thus the active touch surface is not touched directly anymore and therefore will not wear off by normal use. As most of the surface contaminations do not cause an interference of the touch screen, this technology can be used in public or under severe environmental conditions.

Instructions for Using the Touch Screen

The touch screen responds to the lightest touches. The touch with only one finger is like the use of the left mouse button. The use of the touch screen with two fingers generates a zoom if the fingers are brought together or pulled apart. With a circular motion of the fingers the element on the display can be rotated. This function must be supported by either the operating system or by the application.

Cleaning Instructions

Always turn off the system before cleaning.

The glass surface of your Touch Screen should be cleaned with a mild, abrasive free, commercially available glass cleaning product. All pH neutral materials (pH 6 to 8) are good for cleaning.

Cleaners with pH values 9 to 10 are not recommended. Cleaning with water and isopropyl alcohol is possible as well. Do not use sol vents containing acetic acid. Use a soft, fine-meshed cloth to clean the surface. Dampen the cloth slightly and then clean the screen.

A wrong maintenance may cause damages to the screen, which are not covered by guarantee or warranty.

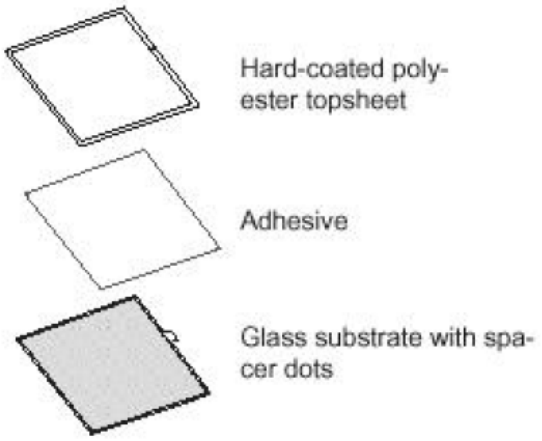
Resistive Touch Screen

General Information

The resistive TFT Touch Screen is constructed by a hard-coated polyester top sheet that is overlaid on a conductively coated glass layer. Voltage is applied to the top sheet. As the user touches the screen, the top sheet compresses into contact with the glass layer, and current flows to the four corners in proportion to the distance from the edge.

The controller then calculates the position of the finger or stylus, based on the current flow. Because the controller derives both the “X” and “Y” touch coordinates from the stable glass layer, the accuracy and operation of the touch screen is unaffected by damage to the top sheet caused by extended use or neglect.

Construction of the Resistive Touch Screen



Instructions for Using the Touch Screen

Touching the touch screen has the same effect as clicking the left mouse button. You only need to apply a little pressure with the fingertip. In this resistive process not only fingertip contact is recognized. The screen does react in any way if touched, for example, with a stylus.

The recommended material for a stylus is polyacetal. The stylus should have a minimum spherical radius of 0.8 mm and contain no sharp edges or burrs that may cause damage to the top sheet.

Cleaning Instructions

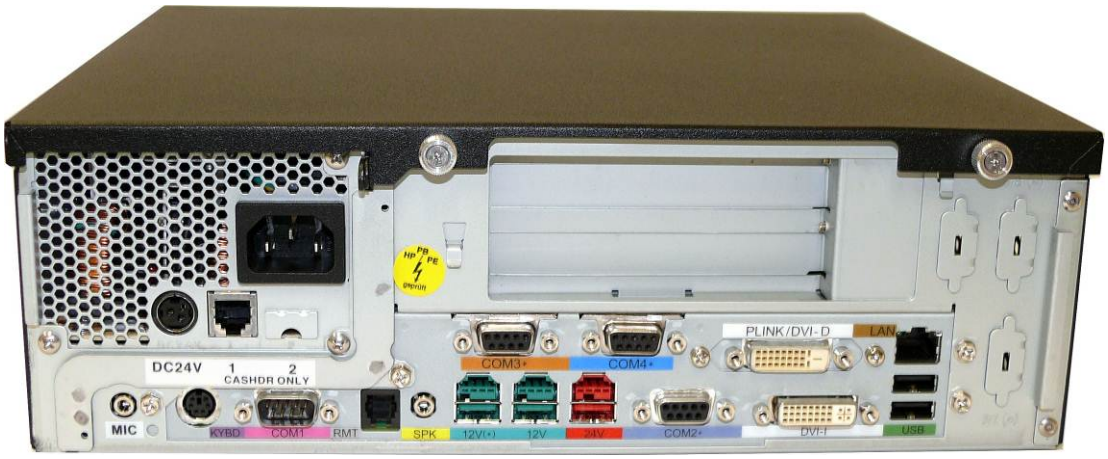
Always turn off the system before cleaning.

The surface of your Touch Screen should be cleaned with a water-based solvent or a non-abrasive cleaner. Do not use sol vents containing acetic acid or methylene chloride. Use a soft, fine-meshed cloth to clean the surface. Dampen the cloth slightly and then clean the screen.

A wrong maintenance may cause damages to the screen, which are not covered by guarantee or warranty.

BEETLE /S-II plus

The BEETLE /S-II plus is optional to controll the peripheral devices like printer, coin module etc.

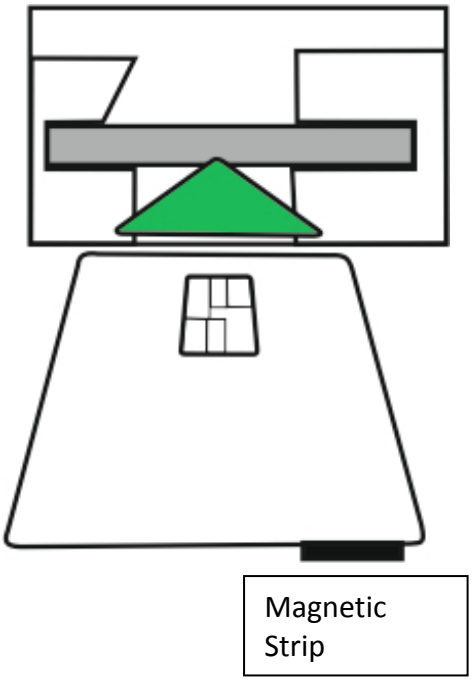


Interface	Connector-Type
COM1	9 pin D-sub male
COM2*	9 pin D-sub female
Keyboard, Mouse	6 pin Mini Din (PS/2)
USB 1, 2	USB-LAN Stack connector 2x USB-A
CRT (via adapter from DVI-I)	15 pin HDD-sub female
PLink (via Bridge)	40 pin Mini Delta Ribbon
DVI	24pin DVI female
LAN	USB-LAN Stack connector RJ45 female
Line Out	3,5 mm female
Microphone	3,5 mm female
USB 6, 7	4+ 4pin Power USB 12V connector
USB 8	4+ 4pin Power USB 24V connector
RMT	4pin RJ10 female

Card Reader

The card will identify the person, which wants to fill coins into the CINEO C1030. The card must be inserted and removed immediately. The card will be read during the removing process.

Insert the card as shown in the picture below.



Appendix

Cleaning and Maintenance

Generell Informations

The device must be **switched off** for service and maintenance works.

You should service and clean the parts of the device at the specified intervals listed below.

In addition, please note the following:

- Take care not to drop any cleaning liquids into the device.
- Only use the cleaning material listed in this manual. Do not use thinners.

Find the resources and Order Numbers of the approved cleaning materials in the section «Approved Cleaning Materials».

Maintenance

- Visually inspect of the coin hoppers and coin paths.
- Clean the coin paths.

Housing

Cleaning interval:		as needed
Cleaning material:		Wet cleaning cloths
	for stainless steel surfaces	Ballistol oil for cleaning stainless steel
	for varnished surfaces	Cleaning set for IT systems
	for plastic surfaces	Cleaning set for IT systems

Coin Paths

Clean the coin paths with compressed air.

Cleaning interval:	When necessary, at least once a month
Cleaning material:	Diebold Nixdorf air duster

Coin Validator

Cleaning interval:	When necessary
Cleaning material:	Cloth moistured with isoprophylalcohol, cleaning brush, dry cleaning cloth

Application of the Cleaning Coin

The device must be switched off for service and maintenance works.

The cleaning coin is soaked in a special cleaning agent that evaporates quickly. Therefore, you should use the cleaning coin immediately after the removal from its sachet!

Do not store the cleaning coin in an open sachet!

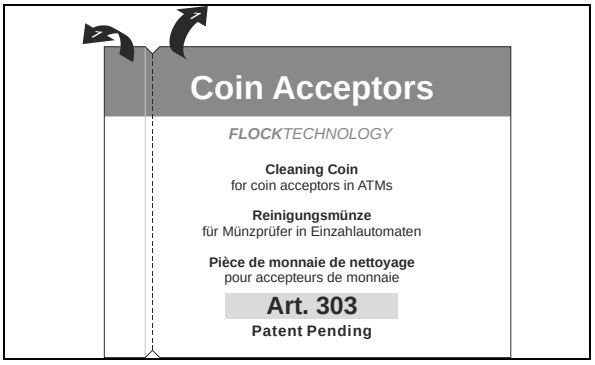
Do not touch the cleaning coin on its flocked side!

Only use the cleaning coin for one cleaning procedure!

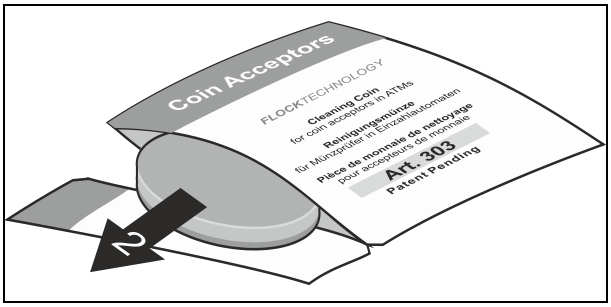
Dispose of the cleaning coin after usage!

Clean the coin acceptor once a month or after a cycle of every 50,000 coins.

Open the device door (see chapter "Opening the CINEO C1030").



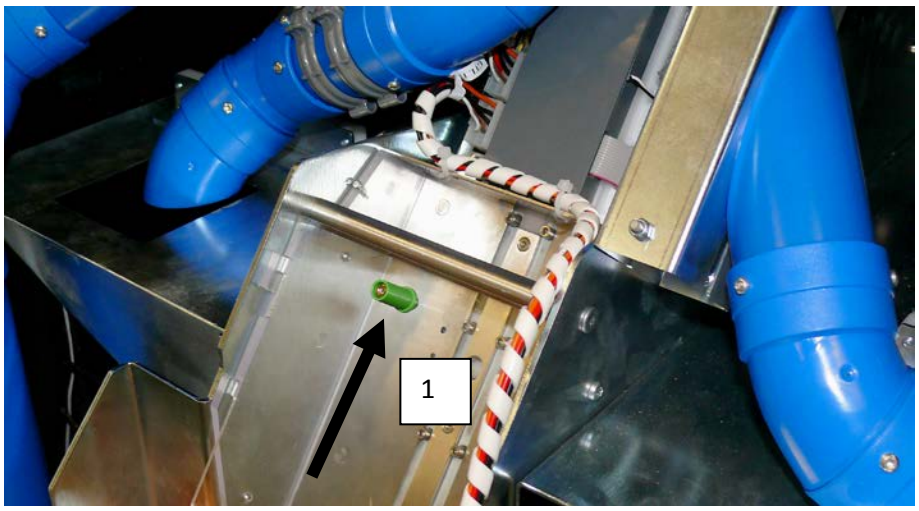
Open the sachet at the serrated edges (1) and (2).



Take the cleaning coin out of the sachet (2)

Never use the cleaning coin twice.

Grasp the cover of the conveyor belt at the green handle (1). Push it upwards (see arrows) and remove it.



Put the cleaning coin on the belt (1).

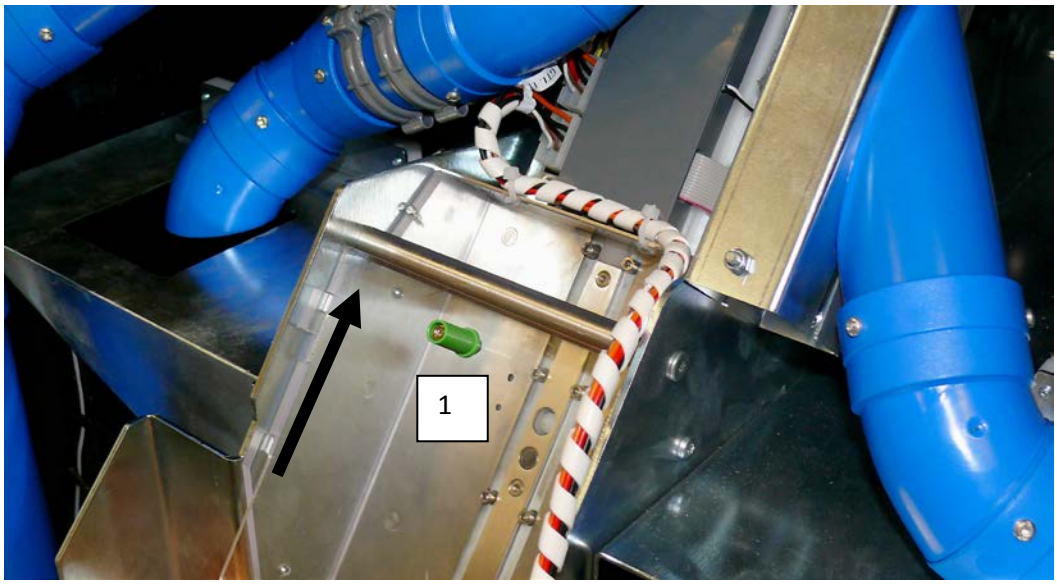
Close the device and start up the cleaning process via the application (TSOP).

After cleaning remove the cleaning coin from the reject compartment and dispose it.

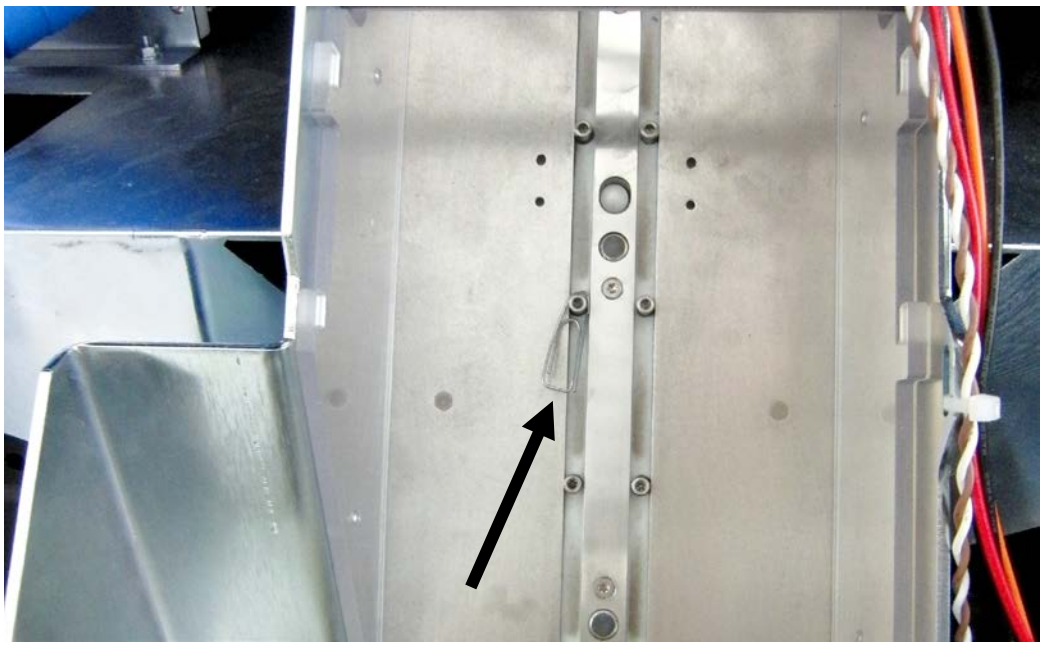
Removing a foreign Object

Open the device door (see chapter "Opening the CINEO C1030").

Grasp the cover of the conveyor belt at the green handle (1). Push it upwards (see arrows) and remove it.



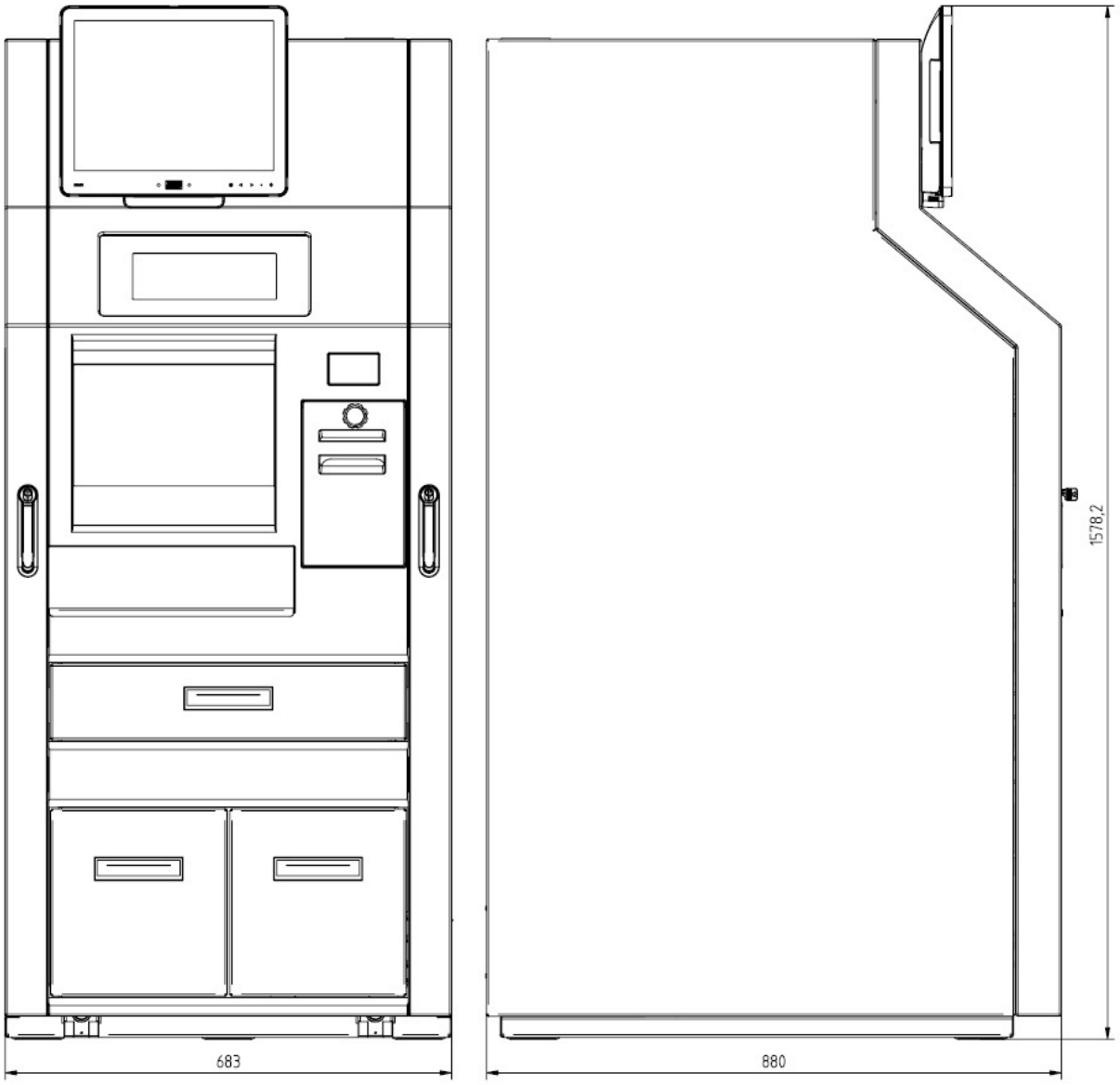
Usually, foreign objects stuck in the belt (as the clamp here).



Seize the foreign object with an adequate tool and remove it.

Put the cover back on the belt, close the device and start up the system.

Dimensions



Technical Data

Supply Voltage Range	110 – 120 V; 220 – 240 V
Nominal Frequency	50/60 Hz
Dimensions (H x W x D)	1,274 mm x 750 mm x 530 mm
Weight: without coins	 approx. 390 kg
Current Consumption Standby (EPC, Cash Module) Replenish Coin Hoppers Electric Current	 350 mA, 67 W 600 mA; 120 W 260 mA

Environmental Requirements

Operating conditions	
Ambient temperature:	5 °C – 35 °C
Humidity:	5% r.h. (1 g/m³) – 85% r.h. (25 g/m³)
Temperature change:	0.5 K/min (max. 7.5K/30 min)
Storage conditions	
Ambient temperature:	5 °C – 40 °C
Humidity:	5% r.h. (1 g/m³) – 85% r.h. (25 g/m³) 0.5 K/min
Temperature change:	0.5 K/min (max. 7.5K/30 min)
Transport conditions	
Ambient temperature:	-25 °C – 60 °C
Humidity:	15% r.h. (1 g/m³) – 98% r.h. (32 g/m³)
Temperature change:	-25 °C / 25 °C

Approved Cleaning Materials: Order Numbers

The items listed below can be ordered from Diebold Nixdorf branch office or your Diebold Nixdorf sales partner.

Product Name	**Order Number**	**Explanation**
Cleaning set for EDP devices: 125ml plastic cleaner w/o alcohol 125ml TFT/LCD/screen cleaner 35 dust cloths 3 keyboard swabs for places difficult to reach 1 keyboard sponge	01750097335	For cleaning and maintaining keyboards and varnished and plastic-coated housing
Damp cleaning cloths Dispenser box with 100 cloths	01750097332	For cleaning and maintaining delicate EDP devices, keyboards and housing
Damp cleaning cloths Antistatic and fluff free Dispenser box 60 cloths	01750097334	For cleaning display panes
Compressed air spray PRESSAIR 400ml bottle w/o valve, 70cm hose	01750097331	Cleaned compressed air, CFC-free, for removing loose dust and dirt particles
Cloth with ISOPROPYL 1000 pieces	01750104065	Pure isopropyl alcohol for cleaning coin validator, displays etc.
Cleaning card	01750016388	For cleaning magnetic heads and chip contacts in ID card readers
Cleaning brush set 1x brush incl. 20xcleaning cloth with ISOPROPYL	01770037265	For cleaning the coin validator

Please follow the manufacturer's specifications on the packaging and on the information sheet included in the packaging. The product may be damaged or soiled if materials are used that are not approved or if used improperly.

Certifications

The device complies with the require-ments of the EC directives 2004/108/EC with regard to “Electromagnetic compatibility” and, if applicable, 2006/95/EC “Low Voltage Directive” and RoHS directive 2011/65/EU.

Therefore, you will find the CE mark on the device or on it’s packaging.

Tested Safety

In addition, the CINEO C1030 has received the UL symbol and cUL symbol.

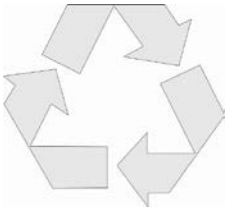
FCC-Class A Declaration

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful inter-ference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Modifications not authorized by the manufacturer may void users authority to operate this device. This class A digital apparatus complies with Canadian ICES-003.

Cet appareil numerique de la classe A est conforme à la norme NMB-003 du Canada.

Recycling the CINEO C1030



CINEO C1030 was designed according to the Diebold Nixdorf standard "Environmentally Conscious Product Design and Development”.

CINEO C1030 is manufactured without the use of CFCs and CCHs and is manufactured to a great extent out of materials and components which are recyclable.

For recycling purposes do not attach any additional adhesive labels to the device.

Diebold Nixdorf disposes of old devices in an environmentally responsible manner at a recycling center that is ISO 9001 and ISO 14001 certified, as is the entire company.

Follow your local regulations on the disposal of toxic waste.

Your Diebold Nixdorf vendor will answer any questions you have concerning returns, recycling, and disposal of our products.

Wincor Nixdorf International GmbH
D-33094 Paderborn

Order No.: ***01750263007A***