

# NOVO CASH



# XCHANGE

INNOVATIVE MONEY CHANGER  
AND REDEMPTION MACHINES

## NOVO CASH XCHANGE – THE FUTURE OF CASH MANAGEMENT TECHNOLOGY FOR WORLWIDE USE IN CASINOS, ARCADES, PUBS AND SPORTSBETTING SHOPS

NOVO Cash XCHANGE machines are designed by LÖWEN Entertainment, the German subsidiary of NOVOMATIC, bringing new and proven cash management concepts to international gaming venues, casinos and sport betting shops. Extensive expertise in gaming and payments combined to create all-in-one solutions for operators to manage and automate cash transactions on the gaming and betting floor.

XCHANGE stands for more than a money changer or redemption kiosk - it combines all functionality available for casinos, gaming facilities and sports betting stores in one, multi-functional device. You could call it a crossover model, like in the automotive industry. The NOVO Cash products offer an impressive array of payment solutions, including the processing of cash, TITO tickets, RFID, smart and magnetic cards, barcode, fingerprint, debit and credit cards. This makes the XCHANGE concept a true all-rounder for all areas of cash management.

The easy-to-use NOVO Cash X-Software is available on all machines, provides detailed statistics and reports both at the machine and remotely, as well as a raft of configurable options to operate the machines in a customised way. In addition, NOVO Cash is compliant with the majority of casino management systems and integrated with many industry-standard protocols.



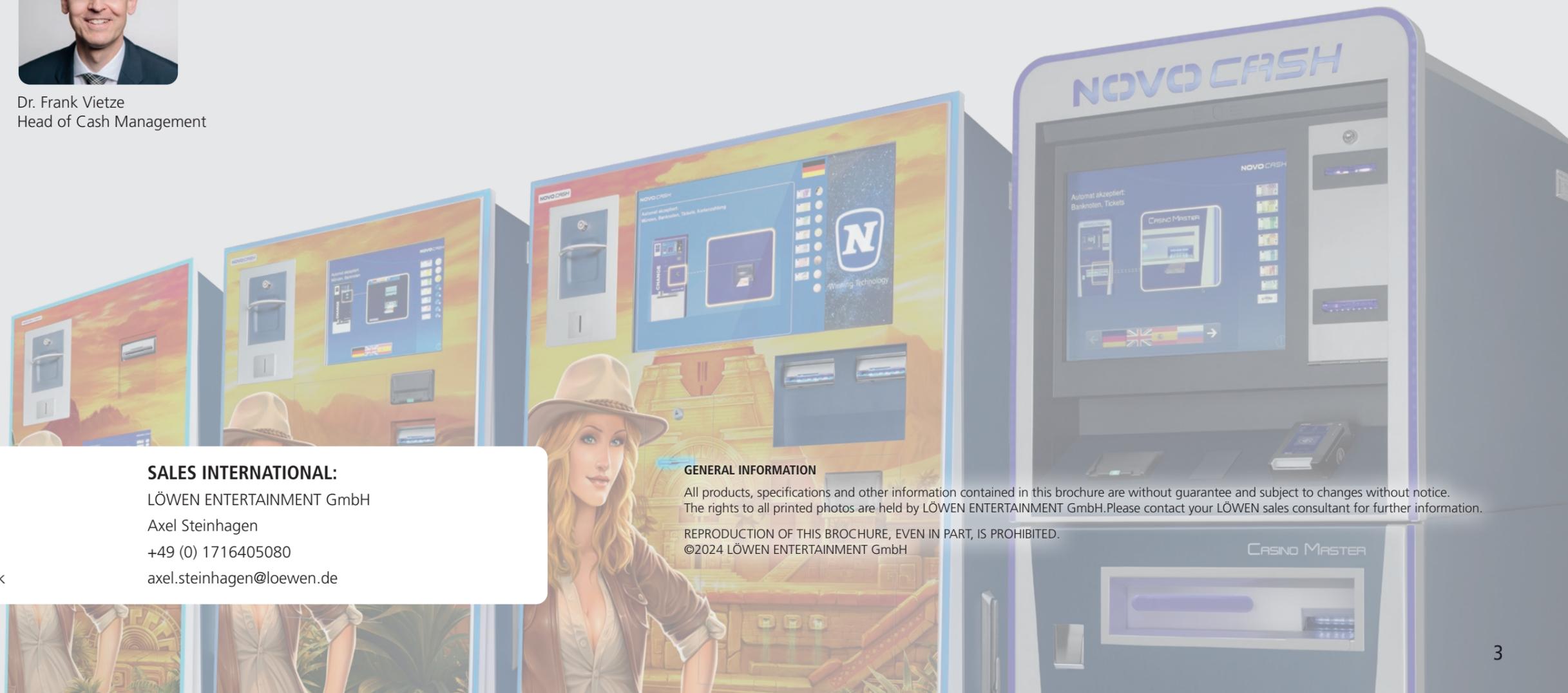
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### GENERAL INFORMATION

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## PRODUCT OVERVIEW

**NOVO CASH X4**  
COMPACT REDEMPTION  
MACHINE



Dimensions (W x H x D in cm):  
59 x 179 x 59

**Small footprint**  
**Modular**  
**Many options**

**NOVO CASH X6+**  
PERFECT REDEMPTION  
MACHINE



Dimensions (W x H x D in cm):  
72 x 179 x 59

**Modular**  
**Versatile in use**  
**Compact design**

**NOVO CASH X8**  
INNOVATIVE MONEY CHANGER  
AND REDEMPTION MACHINE



Dimensions (W x H x D in cm):  
90 x 179 x 72

**Innovative solution**  
**Very modular**  
**Large touch screen**

**NOVO CASH CASINO MASTER**  
HIGH CAPACITY SOLUTION



Dimensions (W x H x D in cm):  
65 x 184 x 94

**Extremely high banknote capacity**  
**High security**  
**Casino Award 2022**



## MODULARITY AT A GLANCE

### Choice of banknote validators or banknote recyclers

The acceptance of all euro banknotes from € 5 to € 500 is possible, with other currencies available on request at any time. All banknote validators can be equipped with a small (approx. 400 to 500 notes) or large cash box (approx. 800 to 1,000 notes). The JCM UBA Pro banknote validator is the very latest model from Japan Cash Machine and provides extremely fast processing of banknotes.

Of course, all banknote validators accept TITO tickets and deposit them in the cashbox.

Almost all products are prepared for the integration of different banknote recyclers (JCM UBA Pro-RQ, JCM iPRO-RC, JCM MRX, CashCode Bill-2-Bill).

### Banknote dispensing via integrated banknote dispenser

NOVO Cash kiosks use various high quality banknote dispensers, all of which can be equipped with up to 4 or 5 cassettes, depending on the product.

Product	Approx. capacity per cassette	Number of cassettes	max. capacity number of banknotes approx.	Used in
Fujitsu F53	500	2 to 5 cassettes	2,500	X4
LCDM	1,000	1, 2 or 4 cassettes	4,000	X6+ and X8
CDM 6240	2,200	5 cassettes	11,000	Casino Master

### Dispense of coins up to the smallest denomination

In each NOVO Cash kiosk 3, 4 or even up to 6 coin hoppers can be integrated. This enables the payout of TITO tickets or player account balances down to the last cent / the smallest coin value. The payout strategy can be configured in the menu of the device. Of course, residual values can also be „paid out“ again as a TITO ticket.

So you choose your configuration of coin values according to your individual needs and can make adjustments via software at any time.

	X4	X6+	X8	Casino Master
Number of hoppers	3 plus minihopper	6	6	3

Optionally, we offer the acceptance of individual coins via a coin slot (X4) or a bulk feed option (X4, X6+, X8) via a coin chute. The accepted coins can be fed back to the coin hoppers and a coin cashbox: This enables coin recycling and a reduction in coin volume.

### Debit card terminal PDQ

For the purchase of TITO tickets, NOVO Cash offers the integration of a debit card terminal into the NOVO Cash XCHANGE series (cooperation with our payment system provider required). This allows players to purchase a TITO ticket using a bank card via contactless or chip and pin and have winning tickets paid back to their bank account. The legal guidelines must be observed.

### The supervisory and personnel function

The service personnel or technicians are identified via RFID transponder. The extensive menu allows the review of the last transactions, the deposit to and withdrawal from accounts, the blocking and release of banknotes, the payout of handpays and much more.

### Customisable or standard artwork front panel options

The NOVO Cash kiosks are offered as standard with a blue front panel or blue foil and a surrounding blue light edge. This front panel can also be provided with the colored decor NOVOLINE for X4, X6+ and X8 or any front design of your choice. We will be happy to assist you in realise your wishes.



### The Linux operating system

Today, many modern vending machine concepts use a Linux operating system as a basis: it is secure and robust. The industrial PC integrated in the kiosks has been designed with service and reliability in mind. In addition, in the event of a power failure, the industrial PC is shut down and switched off in a controlled manner by the integrated UPS (uninterruptible power supply).

### The software concept

The NOVO Cash X-Software concept represents a milestone in convenience and technology. Thanks to a user-friendly service interface, operators can, for example, monitor current operation, adjust settings and authorizations, and even update the software or firmware of kiosk components. All with a few clicks on the PC, tablet or smartphone – at any time and from anywhere. The NOVO Cash terminals can automatically alert the operator with updates on stock levels, errors and other important events via e-mail.



## NOVO CASH XCHANGE FEATURES

### For great versatility

You can select the best product suited to your requirements. Adaptations to special requirements are possible.



**TITO**  
Redemption and purchase of tickets



**BARCODE**  
Redemption and charging of accounts via barcode



**DEBIT CARD 2 TITO**  
Buying TITO tickets and charge back on bank account via debit / credit card



**CARDS**  
Redemption and charging of accounts via, magnetic, chip or RFID card



**BIOMETRIC**  
Redemption and charging of accounts via fingerprint



**5x500 BANKNOTES**  
Note dispenser  
5x 500 notes  
= 2,500 notes



**4x1,000 BANKNOTES**  
Note dispenser  
4x 1,000 notes  
= 4,000 notes



**5x2,200 BANKNOTES**  
Note dispenser  
5x 2,200 notes  
= 11,000 notes



Note validator



Note validator  
or  
Note recycler



2x Note validator  
or  
2x Note recycler



Coin hopper  
3



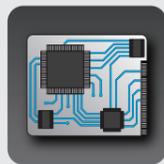
Coin hopper  
4



Coin hopper  
6



Touch Screen



Industrial PC  
Linux, UPS,  
X-Software package



Blue illuminated  
design edge around  
front door



Custom  
front design



NOVO Cash  
security class 3+



NOVO Cash  
security class V



High security  
against break-in

## FEATURE OVERVIEW

### NOVO Cash XCHANGE-Series:

				
	NOVO Cash X4	NOVO Cash X6+	NOVO Cash X8	NOVO Cash Casino Master
Banknote dispenser	F53	LCDM	LCDM	CDM 6240
Number cassettes	2 to 5	1, 2 or 4	1, 2 or 4	5
Capacity per cassette	500	1,000	1,000	2,200
Max. capacity	2,500	4,000	4,000	11,000
Number of banknote validators	1	1	2	1
Banknote validators	JCM UBA Pro JCM iPRO	JCM UBA Pro JCM iPRO	JCM UBA Pro JCM iPRO	JCM UBA Pro JCM iPRO JCM iVIZION
Banknote capacity	800/1,000 notes	800/1,000 notes	800/1,000 notes	800/1,000 notes
Hopper / Denoms	3+1 / 4	6 / 6	6 / 6	3 / 3
Coin acceptance	○ coin acceptor bulk feeder	○ bulk feeder	○ bulk feeder	
Touchscreen	10" or 21"	15" or 24"	24"	19"
Advertisement on screen			✓	
RFID Reader for service menu	✓	✓	✓	✓
TITO ticket redemption	✓	✓	✓	✓
TITO Printer	○	○	○	○
Card Reader for magnetic, smart, RFID cards	○	○	○	○
Integration of PINPAD / PDQ *	○	○	○	○
Receipt printer	○ TITO or receipt	○	○	○
Fingerprint sensor **	○			○
Barcode /QR reader	○	○	○	
Handpay	○	○	○	○
Multi-currency	○	○	○	○
Electronic door lock				✓
NOVO Cash security class	III+	III+	III+	V

✓ = integrated    ○ = option

\* contract with payment system provider necessary  
\*\* via NOVO VISION

## NOVO CASH X4

### Key Features

- TITO: Issuance / redemption of tickets
- Cashless: cash to card / card to cash
- Biometrics: cash to fingerprint / fingerprint to cash
- Sports betting: payout wins via barcode
- Money changer
- Bank card, contactless
- Custom front design

### Main Unit

- Security cabinet in steel blue / white aluminium
- 10" or 21" touchscreen display
- Banknote dispenser Fujitsu F53 with 2 to 5 cassettes  
Capacity approx. 500 notes per cassette (max. of 2,500 banknotes total)  
Payout note by note (spray dispensing)
- RFID card reader for service functions
- Banknote validator  
JCM UBA Pro / Cash box 400/900 notes  
JCM iPRO / Cash box 400/900 notes

### Cash Handling (options)

- Maximum of 4 coin hoppers  
2 coin hoppers have an extension (for up to 5,000+ coins together)  
2 additional hoppers are possible (a standard and a small one)
- Note recycler instead of note validator  
JCM iPRO-RC, JCM UBA Pro-RQ
- Coin acceptance via coin validator or coin bulk feeder (for up to 250 coins at once)

### Additives (options)

- Toplight (eg. handpay, jackpot)

### Modern PC and Software Technology

- 10" or 21" touchscreen display
- RFID card reader for service functions  
e.g. staff accounts: deposit and withdrawal  
Player card compatibility
- ITHAKA Epic 950 TITO ticket printer or receipt printer  
TITO tickets, receipts, statistics print outs  
Change of paper via front access
- Barcode /QR-Code scanner possible
- Prepared for integration of a bank card payment device / PIN Pad
- Modern industrial PC  
Reliable fanless Linux PC with SSD  
Uninterruptible Power Supply (UPS)
- NOVO Cash X-Software concept  
Service interface for a wide range of settings  
Documentation of all operations  
Extensive statistics  
Simple and ergonomic cashier interface  
Status and function messages by e-mail  
Internet connection and thus remote enquiry, remote maintenance, remote update possible  
Extensive analysis options for technicians
- Integration in most Casino Management Systems possible

### NOVO Cash Security Class III+

- Cabinet and front door made out of 3 mm sheet steel
- Front door with enhanced 8-point locking mechanism
- Locking lever with double-bit lock and additional lock cover
- Double-locking system (4-eye principle)
- High resistance against break-in

### Design

- Blue illuminated design edge around front door
- Front panel in blue
- optional: coloured front design NOVOLINE or individual front design according to customer requirements

### Technical Data

Cabinet:	59 cm x 179 cm x 59 cm (W x H x D)
Base plate:	57 cm x 62 cm (W x D)
Weight:	250 kg (depending on configuration)
Power Supply:	110-230V

## NOVO CASH X4

### THE COMPACT REDEMPTION MACHINE

- Perfect functionality in a compact format
- 10" high resolution or 21" touchscreen
- Banknote dispenser F53 with 2 to 5 cassettes
- Choice of banknote validator  
JCM UBA Pro or JCM iPRO
- NOVO Cash security class III+
- Offers almost all the functions of the larger devices



## NOVO CASH X6+

### Key Features

- TITO: Issuance / redemption of tickets
- Cashless: cash to card / card to cash
- Sports betting: payout wins via barcode
- Money changer
- Bank card, contactless
- Custom front design

### Main Unit

- Security cabinet in steel blue / white aluminium
- 15" or 24" touchscreen display
- Banknote dispenser LCDM with 1, 2 or 4 cassettes  
Capacity approx. 1,000 notes per cassette  
(max. of 4,000 banknotes total)  
Payout note by note (spray dispensing)
- RFID card reader for service functions
- Banknote validator  
JCM UBA Pro / Cash box 400/900 notes  
JCM iPRO / Cash box 400/900 notes

### Cash Handling (options)

- Maximum of 6 coin hoppers  
3 coin hoppers have an extension  
(for up to 7,500+ coins together)  
3 additional hoppers are possible
- Note recycler instead of note validator  
JCM iPRO-RC, JCM UBA Pro-RQ, CashCode Bill-2-Bill
- Coin acceptance via coin bulk feeder  
(for up to 250 coins at once)

### Additives (options)

- Toplight (eg. handpay, jackpot)

### Modern PC and Software Technology

- 15" or 24" touchscreen display for fast and ergonomic operation
- Secure checking, processing and dispensing of coins and banknotes
- RFID card reader for service functions  
e.g. staff accounts: deposit and withdrawal  
Player card compatibility
- ITHAKA Epic 950 TITO ticket printer and receipt printer  
TITO tickets, receipts, statistics print outs
- Barcode /QR-Code scanner
- Prepared for integration of a bank card payment device / PIN Pad
- Modern industrial PC  
Reliable fanless Linux PC with SSD  
Uninterruptible Power Supply (UPS)
- NOVO Cash X-Software concept  
Service interface for a wide range of settings  
Documentation of all operations  
Extensive statistics  
Simple and ergonomic cashier interface  
Status and function messages by e-mail  
Internet connection and thus remote enquiry, remote maintenance, remote update possible  
Extensive analysis options for technicians
- Integration in most Casino Management Systems possible

### NOVO Cash Security Class III+

- Cabinet and front door made out of 3 mm sheet steel
- Front door with enhanced 8-point locking mechanism
- Locking lever with double-bit lock and additional lock cover
- Double-locking system (4-eye principle)
- High resistance against break-in

### Design

- Blue illuminated design edge around front door
- Front panel in blue
- optional: coloured front design NOVOLINE or individual front design according to customer requirements

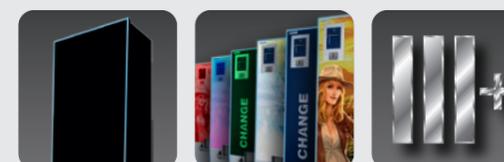
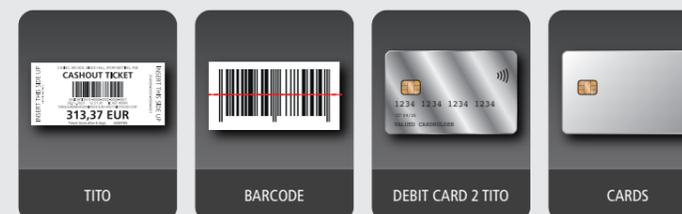
### Technical Data

Cabinet:	72 cm x 179 cm x 59 cm (W x H x D)
Base plate:	70 cm x 67 cm (W x D)
Weight:	300 kg (depending on configuration)
Power Supply:	110-230V

## NOVO CASH X6+

### THE PERFECT REDEMPTION MACHINE

- 15" or 24" touchscreen for optimal operability
- Banknote dispenser LCDM with 1, 2 or 4 cassettes for 1,000, 2,000 or 4,000 banknotes
- Choice of banknote validator  
JCM UBA Pro or JCM iPRO  
each with large banknote cashbox
- Cent accurate coin payout via up to 6 hoppers
- NOVO Cash security class III+
- Optionally with coloured front design also according to customer requirements



## NOVO CASH X8

### Key Features

- TITO: Issuance / redemption of tickets
- Cashless: cash to card / card to cash
- Sports betting: payout wins via barcode
- Money changer
- Bank card, contactless
- Custom front design

### Main Unit

- Security cabinet in steel blue / white aluminium
- 24" touchscreen display
- Banknote dispenser LCDM with 1, 2 or 4 cassettes  
Capacity approx. 1,000 notes per cassette  
(max. of 4,000 banknotes total)  
Payout note by note (spray dispensing)
- RFID card reader for service functions
- Banknote validator / 2 possible  
JCM UBA Pro / Cash box 400/900 notes  
JCM iPRO / Cash box 400/900 notes

### Cash Handling (options)

- Maximum of 6 coin hoppers  
3 coin hoppers have an extension  
(for up to 8,500+ coins together)  
3 additional hoppers and a cash box are possible
- Note recycler instead of note validator  
JCM iPRO-RC, JCM UBA Pro-RQ or JCM MRX
- Coin acceptance via coin bulk feeder  
(for up to 250 coins at once)

### Additives (options)

- Toplight (eg. handpay, jackpot)

### Modern PC and Software Technology

- 24" touchscreen display with video advertising area
- Secure checking, processing and dispensing of coins and banknotes
- RFID card reader for service functions  
e.g. staff accounts: deposit and withdrawal  
Player card compatibility
- ITHAKA Epic 950 TITO ticket printer and receipt printer  
TITO tickets, receipts, statistics print outs
- Barcode /QR-Code scanner
- Prepared for integration of a bank card payment device /  
PIN Pad
- Modern industrial PC  
Reliable fanless Linux PC with SSD  
Uninterruptible Power Supply (UPS)
- NOVO Cash X-Software concept  
Service interface for a wide range of settings  
Documentation of all operations  
Extensive statistics  
Simple and ergonomic cashier interface  
Status and function messages by e-mail  
Internet connection and thus remote enquiry, remote  
maintenance, remote update possible  
Extensive analysis options for technicians
- Integration in most Casino Management Systems possible

### NOVO Cash Security Class III+

- Cabinet and front door made out of 3 mm sheet steel
- Front door with enhanced 10-point locking mechanism
- Locking lever with double-bit lock and additional lock cover
- Double-locking system (4-eye principle)
- High resistance against break-in

### Design

- Blue illuminated design edge around front door
- Front panel in blue
- optional: coloured front design NOVOLINE or individual  
front design according to customer requirements

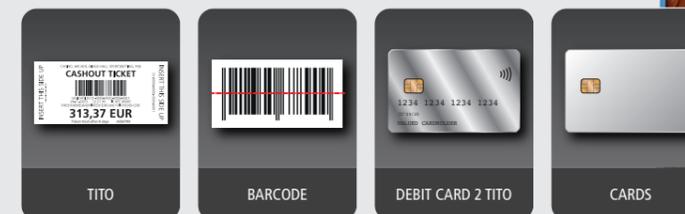
### Technical Data

Cabinet:	90 cm x 179 cm x 72 cm (W x H x D) incl. spacer plates
Base plate:	88 cm x 78 cm (W x D)
Weight:	410 kg (depending on configuration)
Power Supply:	110-230V

## NOVO CASH X8

### THE INNOVATIVE MONEY CHANGER AND REDEMPTION TERMINAL

- 24" touchscreen with video advertising area
- Banknote dispenser LCDM with 1, 2 or 4 cassettes  
for 1,000, 2,000 or 4,000 banknotes
- Up to 2 banknote validators possible  
JCM UBA Pro or JCM iPRO  
each with large banknote cashbox
- Cent accurate coin payout via up to 6 hoppers
- NOVO Cash security class III+
- Optionally with coloured front design  
also according to customer requirements



## NOVO CASH CASINO MASTER

### Key Features

- TITO: issuance / redemption of tickets
- Cashless: cash to card / card to cash
- Biometrics: cash to fingerprint / fingerprint to cash
- Money changer
- Bank card, contactless
- Maximum security storage of banknotes

### Main Unit

- High-security cabinet with massive steel vault  
All banknotes secured in vault fitted with electronic lock
- 19" touchscreen display
- Fast-action banknote dispenser CDM 6240  
5 cassettes / 5 denoms (with up to 2,200 notes)  
Spray dispensing
- RFID card system for service functions
- Banknote validator  
JCM UBA Pro / Cash box 900 notes  
JCM iPRO / Cash box 900 notes  
JCM iVIZION / Cash box 900 notes

### Cash Handling (options)

- Coin hopper unit available up to 3 hoppers  
Extensions to maximise coin stock

### Additives (options)

- Webcam
- Toplight (eg. handpay, jackpot)

### Modern PC and Software Technology

- 19" touchscreen display for fast and ergonomic operation
- RFID card reader for service functions  
e.g. staff accounts: deposit and withdrawal  
Player card compatibility
- ITHAKA Epic 950 ticket printer  
TITO tickets, receipts, statistics print outs  
Change of paper via front access
- Receipt printer
- Integration of card reader (pull through) plus  
NOVO Vision fingerprint modul possible
- Integration of bank card payment device possible / PIN Pad
- Modern industrial PC  
Reliable fanless Linux PC with SSD  
Uninterruptible Power Supply (UPS)
- NOVO Cash X-Software concept  
Service interface for a wide range of settings  
Documentation of all change operations  
Extensive statistics  
Simple and ergonomic cashier interface  
Status and function messages by e-mail  
Internet connection and thus remote enquiry, remote  
maintenance, remote update possible  
Extensive analysis options for technicians

### NOVO Cash Security Class V

(certified security / under compartment)

- Massive steel vault for banknotes  
Electronic locking system (4-eye principle)
- Front-service
- All cash components lockable

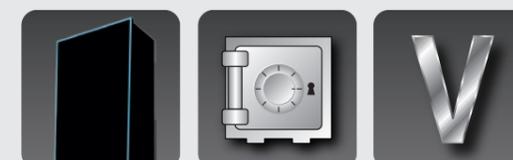
### Technical Data

Cabinet: 65 cm x 184 cm x 94 cm (W x H x D)  
Weight: 500 kg (depending on configuration)  
Power Supply: 110-230V

## NOVO CASH CASINO MASTER

### HIGH CAPACITY SOLUTION

- 19" touchscreen
- Fast-action banknote dispenser CDM 6240 with  
5 cassettes for up to approx. 11,000 notes  
Spray dispensing
- Choice of banknote validator  
JCM UBA PRO, JCM iPRO or JCM iVIZION  
with large cash box
- Coin payout via 3 hoppers possible
- Massive steel vault







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