

NOVO CASH

2025



XCHANGE

INNOVATIVE MONEY CHANGERS
AND REDEMPTION MACHINES

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

As a brand of the German technology supplier LÖWEN ENTERTAINMENT, NOVO Cash combines the cash management know-how of the entire NOVOMATIC Group and provides proven cash handling solutions for the gaming industry, including casinos, arcades, motorway services, FECs, pubs and betting shops. End-to-end payment solutions including the state-of-the-art XCHANGE kiosks featuring cashless, TITO and biometric technology, as well as barcode and QR code tickets. Players have multiple options with bank cards, notes, coins, tickets, cards, vouchers and fingerprint.

Based in Bingen, Germany, LÖWEN ENTERTAINMENT is dedicated to the development and manufacture of money changers and redemption terminals for the automation and management of cash and payments. Quality made in Germany with own engineering teams with great know-how and experience in the gaming industry and market.

Secure the future of your cash handling with NOVO Cash.

XCHANGE kiosk offers perfect functionality

The NOVO Cash XCHANGE series stands for more than just money changers or redemption kiosks – it combines all functionality in one.

The NOVO Cash XCHANGERS 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.

The NOVO Cash X software is available on all machines, it provides detailed statistics and reports both at the machine and remotely, as well as a plethora of configurable options to operate the machines in a customised way that helps streamline your gaming floor.

In addition, NOVO Cash is compliant with a multitude of casino management systems and integrated with many industry-standard protocols.

Quality and safety

The NOVO Cash X-Series represents cutting-edge, robust technology. Only premium, rigorously tested components are used to securely verify, process, manage, and even recycle cash.

Each unit is housed in 3 mm steel with an advanced locking system using high-grade locks, providing optimal protection. Additionally, some products feature certified safes for enhanced security of banknotes.

With a modular design, every product in the X-Series maximises efficiency in cash management, ensuring both reliability and security.



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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.

Recycler	Recycling capacity	Integration in XChanger
JCM iPRO-RC	2 x 100 notes	X4, X6+, X8
JCM UBA Pro-RC200	2 x 100 notes	X4, X6+, X8
JCM UBA Pro-RQ	4 x 30 notes	X4, X6+, X8
CashCode Bill-to-Bill 300	3 x 100 notes	X6+
JCM MRX	8 x 60 notes	X8

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+
CDM 6240	2,200	X8: 1,2 or 3 cassettes Casino Master: 5	X8: 6,600 Casino Master: 11,000	X8 and 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, the kiosks 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 TEMPLE OF GOLD, EYE OF THE QUEEN or BLUE CIRCLE for X4, X6+ and X8 or any front design of your choice. We will be happy to assist you in realizing 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



Note dispenser
5x 500 notes
= 2,500 notes

Note dispenser
4x 1,000 notes
= 4,000 notes

Note dispenser
3x 2,200 notes
= 6,600 notes

Note dispenser
5x 2,200 notes
= 11,000 notes



Note validator

Note validator or note recycler

2x Note validator or 2x note recycler



Coin hoppers 3

Coin hoppers 4

Coin hoppers 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	CDM 6240	CDM 6240
Number cassettes	2 to 5	1, 2 or 4	1, 2 or 3	5
Capacity per cassette	500	1,000	2,200	2,200
Max. capacity	2,500	4,000	6,600	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
Hoppers / 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	✓ (21")	✓ (24")	✓	
RFID reader for service menu	✓	✓	✓	✓
TITO ticket redemption	✓	✓	✓	✓
TITO printer	○	○	○	○
Card Reader for magnetic, smart, RFID cards	○	○	○	○
Integration of PINPAD / PDQ * (debit / credit card acceptance)	○	○	○	○
Receipt printer	○ TITO or receipt	○	○ 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-RC200, JCM UBA Pro-RQ
- Coin acceptance via coin validator or coin bulk feeder (for up to 250 coins at once)

Additives (options)

- Toplight (e.g. handpay, jackpot)

Design

- Blue illuminated design edge around front door
- Blue front panel
- optional coloured front design BLUE CIRCLE or individual front design according to customer requirements

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 3mm 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

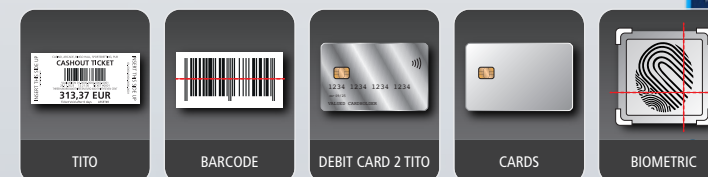
Technical Data

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

THE COMPACT REDEMPTION MACHINE

NOVO CASH X4

- 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
- 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
- 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-RC200, JCM UBA Pro-RQ, CashCode Bill-to-Bill 300
- Coin acceptance via coin bulk feeder (for up to 250 coins at once)

Additives (options)

- Toplight (e.g. handpay, jackpot)

Design

- Blue illuminated design edge around front door
- Blue front panel
- optional coloured front design BLUE CIRCLE or individual front design according to customer requirements

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 3mm 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

Technical Data

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

THE PERFECT REDEMPTION MACHINE

NOVO CASH X6+

- 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 BLUE CIRCLE, or individual design 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
- Fast-action banknote dispenser CDM 6240 with 1, 2 or 3 cassettes for up to approx. 6,600 notes 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 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-RC200, JCM UBA Pro-RQ, JCM MRX
- Coin acceptance via coin bulk feeder (for up to 250 coins at once)

Additives (options)

- Toplight (e.g. handpay, jackpot)

Design

- Blue illuminated design edge around front door
- Blue front panel
- optional coloured front design BLUE CIRCLE or individual front design according to customer requirements

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 or 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 3mm 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

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:	110-230 V

THE INNOVATIVE MONEY CHANGER AND REDEMPTION TERMINAL

NOVO CASH X8

- 24" touchscreen with video advertising area
- Fast-action banknote dispenser CDM 6240 with 1, 2 or 3 cassettes for up to approx. 6,600 notes
- 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 BLUE CIRCLE, or individual design 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 with 5 cassettes for up to approx. 11,000 notes
Payout note by note (spray dispensing)
- RFID card system for service functions
- Banknote validator
JCM UBA Pro / Cash box 900 notes
JCM iPRO / Cash box 900 notes

Cash Handling (options)

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

Additives (options)

- Webcam
- Toplight (e.g. handpay, jackpot)

Design

- Blue illuminated design edge around front door
- Coloured front design BLUE CIRCLE

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

(High level security thanks to additional safe in base cabinet)

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

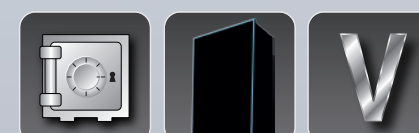
Technical Data

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

HIGH CAPACITY SOLUTION

NOVO CASH CASINO MASTER

- 19" touchscreen
- Fast-action banknote dispenser CDM 6240 with 5 cassettes for up to approx. 11,000 notes
- 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
- Coloured front design BLUE CIRCLE



YOUR NOTES

[illegible]This image shows a full page of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.



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