Variocube
Software & Locker modules 2023

Innovative software applications combined with industrial-grade locker modules.

Variocube Software

20 years of experience with B2B software development

Our software covers most of the standard requirements out-of-the-box and can be adapted to your processes as required. Together we identify the tasks and develop solutions to master them.

Depending on the application, one or more of the following software products can be installed in this way **Hybrid multi-app use** is possible on our systems (e.g. shopping centre: Daylocker, Laundry Service and Click&Collect on the same system).

With the **„Maintenance Basic" service package** (hosting, monitoring) you can enjoy the current software „for life". With future more in-depth integrations of e.g. other CEP service providers such as Post, DHL, GLS, DPD, etc., your Variocube system is always up to date! The updates are controlled centrally by us and updated on site without any intervention.
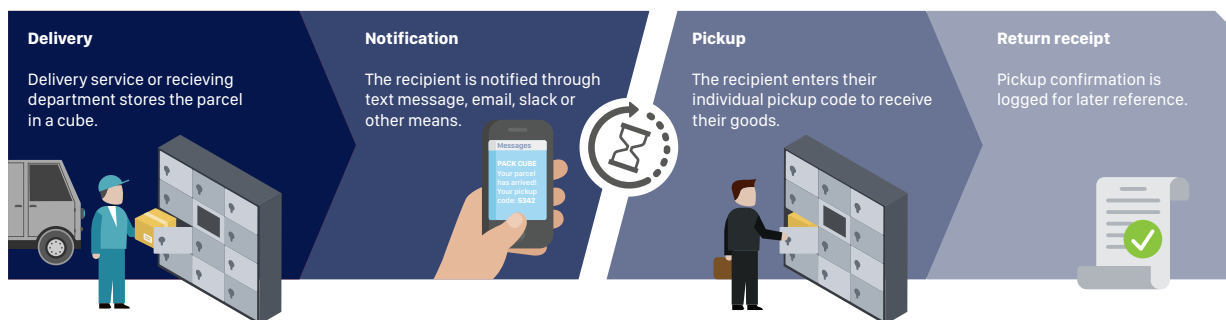
- **Extremely modular and adaptable.**

- **Cloud-based, using the latest web technologies.**

- **Open API, easy to integrate into your IT.**

- **High security due to well thought-out system architecture.**

- **Multitasking and multi-app capability.**

In addition to the applications described below, we also **develop individual solutions** - e.g. for **textile cleaning, intralogistics processes, mail room services, access control etc.**

POBox.app – Variocube parcel box: never „yellow slips" again

The POBox.app software was specially developed for use in **office buildings** and in **residential buildings**.

Delivery
Delivery service or recieving department stores the parcel in a cube.

Notification
The recipient is notified through text message, email, slack or other means.

Messages
PACK CUBE
Your parcel has arrived! Your pickup code: 9342

Pickup
The recipient enters their individual pickup code to receive their goods.

Return receipt
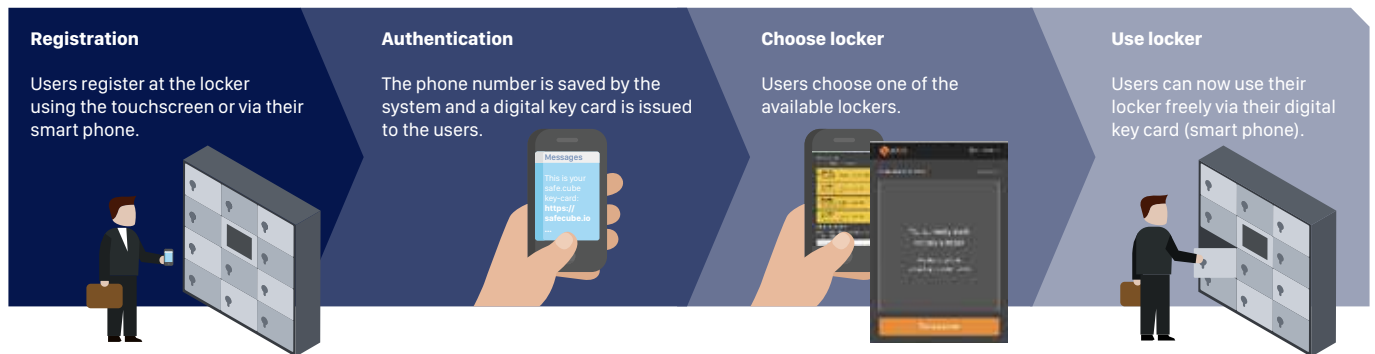Pickup confirmation is logged for later reference.

The system is designed in such a way that the users of the system can register themselves. This limits the effort for the landlord or the property management to 1st level support during operation.

With the optionally activatable goods handover function, users can also hand over goods/parcels to external persons (e.g. sales via eBay, classifieds, willhaben, tutti, etc.). The contact details to be entered when handing over goods serve to notify the recipient. The recipient receives information by email and/or SMS that the goods have been stored and are ready for collection. The message contains the pick-up code (one-time code).
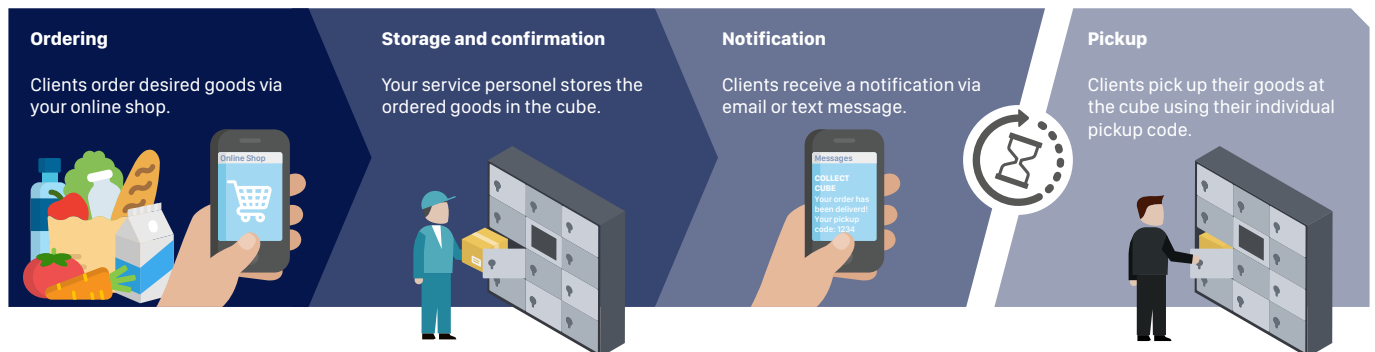
SafeCube – smart rental lockers & daylockers

The application enables the use of a Variocube as a locker system. Both paid and free lockers can be offered.

Registration
Users register at the locker using the touchscreen or via their smart phone.

Authentication
The phone number is saved by the system and a digital key card is issued to the users.

Choose locker
Users choose one of the available lockers.

Use locker
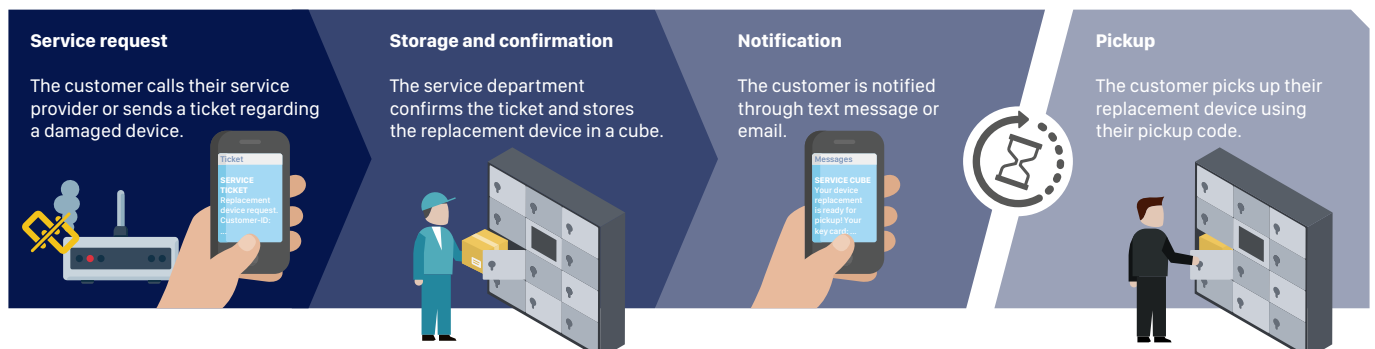Users can now use their locker freely via their digital key card (smart phone).

Click&Collect – the ideal 24/7 available multi-channel solution

The ideal solution to combine the best of stationary trade with the world of online trade. Goods of all kinds can be picked up or exchanged 24/7 in a time-dependent manner. The multi-channel approach saves customers time and distances for customers.

Ordering
Clients order desired goods via your online shop.

Storage and confirmation
Your service personel stores the ordered goods in the cube.

Notification
Clients receive a notification via email or text message.

Pickup
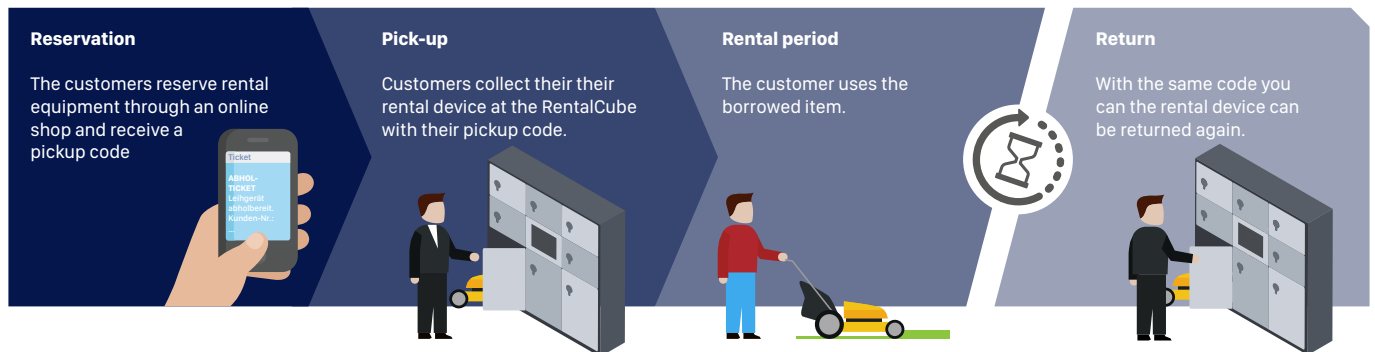Clients pick up their goods at the cube using their individual pickup code.

ServiceCube – Rental, service, tool distribution - fully integrated into your systems

Hand over goods, equipment and tools or keep them in stock in a locker. Thanks to the comprehensive software, both inbound and outbound processes can be realised. This enables an exchange of goods with the customer in order to be able to receive defective devices or, if necessary, to exchange them immediately. The interfaces enable integration into existing processes and software solutions.

Service request
The customer calls their service provider or sends a ticket regarding a damaged device.

Storage and confirmation
The service department confirms the ticket and stores the replacement device in a cube.

Notification
The customer is notified through text message or email.

Pickup
The customer picks up their replacement device using their pickup code.

RentalCube – smart lockers for rental applications

Smart lockers can be used with the RentalCube application to issue, return and store rental equipment.

Reservation

The customers reserve rental equipment through an online shop and receive a pickup code

Pick-up

Customers collect their their rental device at the RentalCube with their pickup code.

Rental period

The customer uses the borrowed item.

Return

With the same code you can the rental device can be returned again.

LogisticsCube – the solution for internal mail and goods distribution

With this application and smart lockers, you can make mail distribution and dispatch in your company more secure, efficient and decoupled in terms of time. Through the API, our LogisticsCube application can be fully integrated into your processes, or you can use the solution stand-alone.

Delivery & Registration

The shipment is received, registered and a barcode is assigned.

Storage

The postal department stores the shipment in the Cube.

Notification

Notification by SMS or Email.

Pickup

With pickup code or employee ID card.

VARIOCUBE

VC ProLine Locker Systems

The versatile solution for smart lockers.

With its variety of module widths and depths, different shelf heights, indoor/outdoor versions, different roof types and numerous options such as refrigerated shelves, payment terminals, etc. the VC ProLine always offers a suitable solution for the most diverse customer requirements.

VC ProLine Indoor

NEW 450mm depth

VC ProLine Outdoor

VC ProLine Master

The master module is the heart of our smart locker system. All electronic components are housed in the control compartment. It is operated via a 10.1" touch display.

Optionally, scanners, readers, key pads and payment terminals can be installed below the control compartment.

VC Integrator-Kit

With the Integrator Kit, we give OEM partners in furniture and cabinet construction the opportunity to include smart locker systems in their range with little effort. Different levels of integration are available.
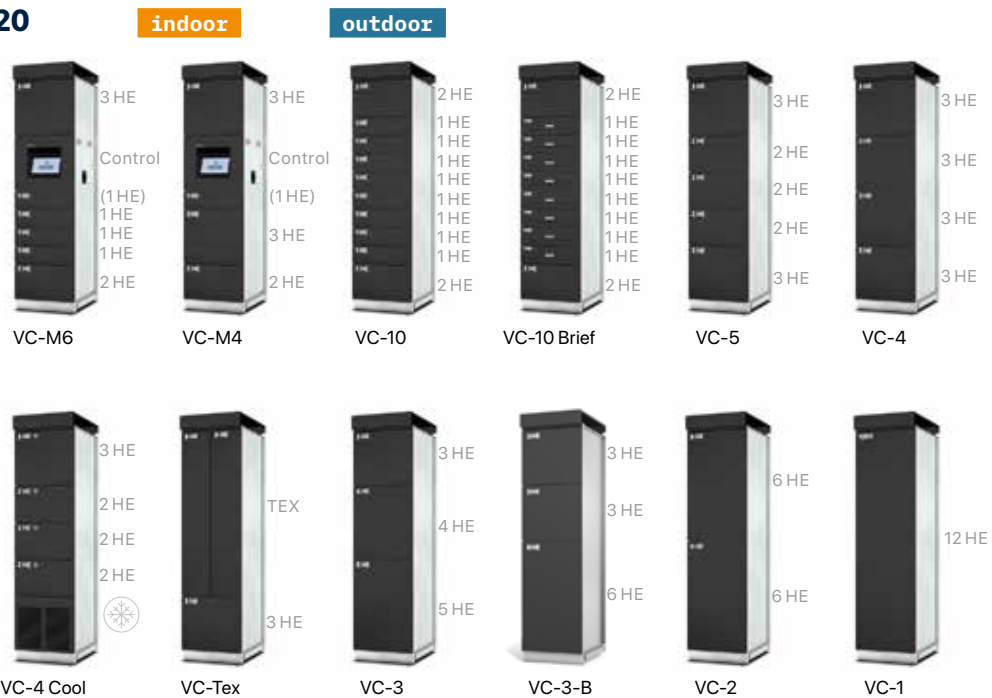
Module Overview Variocube ProLine

The Variocube ProLine product family is divided into three product lines: **ProLine 450, ProLine 650 and ProLine 950** (the number stands for the compartment interior depth in millimetres). These three product lines can, of course, be combined and addressed centrally via the VC Core system. The ProLine 650 series is available both as an indoor and outdoor version and has a **standard internal dimension (compartment width) of 460 mm**:

▼ ProLine 450/650-520

indoor　outdoor

COMPARTMENT SIZES (W X H X D) MM	
1 HE	460 x 130 x 450/650
2 HE	460 x 280 x 450/650
3 HE	460 x 430 x 450/650
4 HE	460 x 580 x 450/650
5 HE	460 x 730 x 450/650
6 HE	460 x 880 x 450/650
12HE	460 x 1780 x 450/650
TEX	460 x 1330 x 650

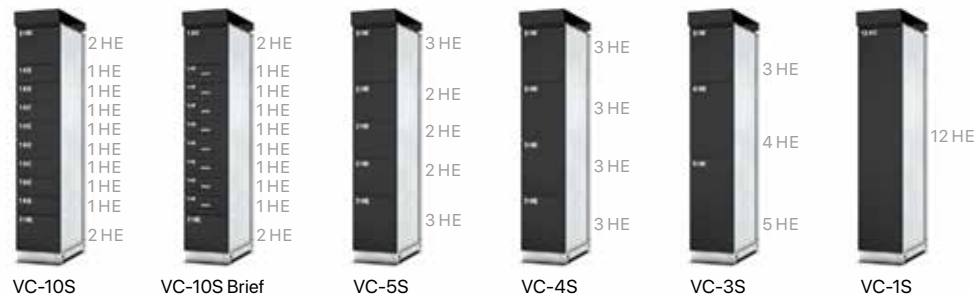| COMPARTMENT SIZE VC-COOL (W X H X D) MM* ❄	
2 HE	350 x 255 x 455
3 HE	350 x 375 x 455

* Rear recirculation fans in the compartment reduce the available volume.

VC-M6　VC-M4　VC-10　VC-10 Brief　VC-5　VC-4

VC-4 Cool　VC-Tex　VC-3　VC-3-B　VC-2　VC-1

▼ ProLine 650-380

indoor　Additionally available **narrow module row** with **internal dimension (width) 320 mm**:

COMPARTMENT SIZES (W X H X D) MM	
1 HE	320 x 130 x 650
2 HE	320 x 280 x 650
3 HE	320 x 430 x 650
4 HE	320 x 580 x 650
5 HE	320 x 730 x 650
12HE	320 x 1780 x 650

VC-10S　VC-10S Brief　VC-5S　VC-4S　VC-3S　VC-1S

▼ ProLine 950-520

indoor

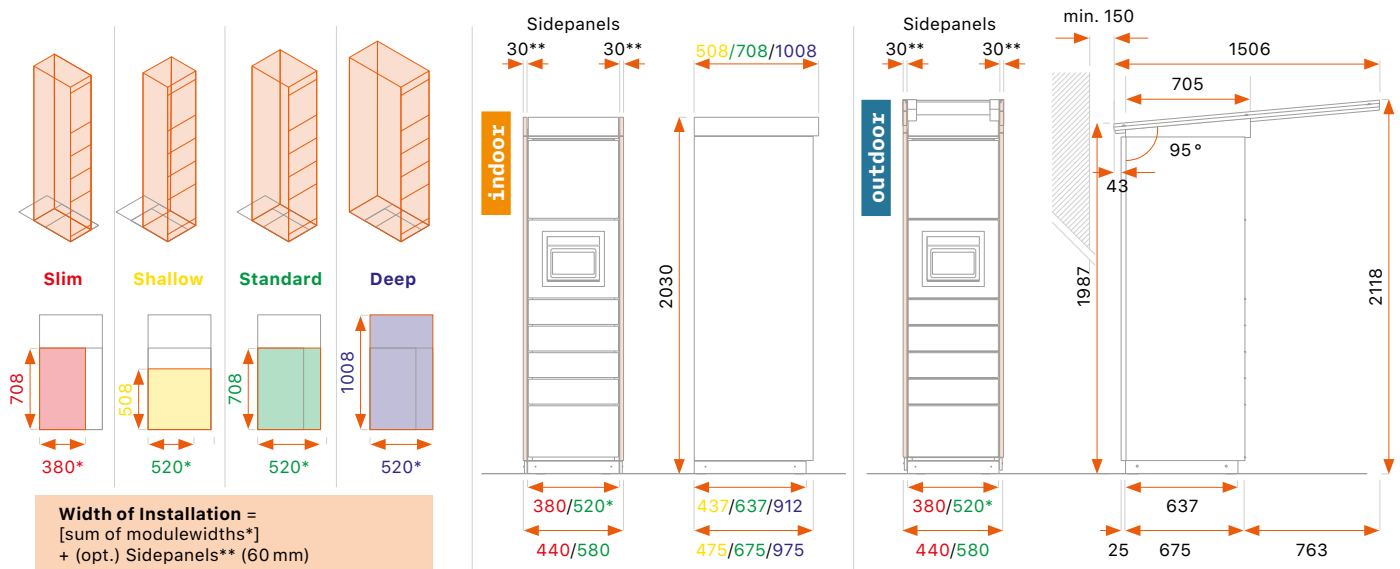| COMPARTMENT SIZES (W X H X D) MM	
3 HE	460 x 430 x 950
4 HE	460 x 580 x 950
5 HE	460 x 730 x 950

VC-MD　VC-3D

The deeper **ProLine 950** modules are mainly used for Luggage Locker or Click&Collect with larger product dimensions and are available as an indoor version with the standard width of 460 mm (internal dimension).

▼ **VC ProLine Detailed information:**

Variocube ProLine	indoor	outdoor
Cabinet	Galvanised sheet steel	Galvanised sheet steel
Doors, side panels left and right	Galvanised sheet steel, KTL primed and high-quality powder-coated	Galvanised sheet steel, KTL primed and high-quality powder-coated
Lid	Galvanised sheet steel, KTL primed and high-quality powder-coated	Stainless steel, laminated safety glass made of partially tempered glass and viscoplastic, translucent film
Base	Cathodic dip-painted shaped tube base, stainless steel base trims	Cathodic dip-painted shaped tube base, stainless steel base trims
Display: 10" PCAP Touch Display	indoor-version	outdoor-version, 1000 cd/m²
Standard paint or powder	anthracite metallic, Tiger Mica 618	anthracite metallic, Tiger Mica 618
Floor or wall mounting	required	required
Powder-coated exposed rear panel	optionally available	optionally available
LED lighting	optionally available	optionally available
Reinforced shelves	VC_3 and VC_2	VC_3 and VC_2
Barcode Reader, Payment Terminal, NFC Reader	optionally available	optionally available
Temperature range	–	-25 to +35 °C

▼ **Module dimensions including Pedestal, Sidepanels and Roofing:**

▼ **Floor load allowance Variocube ProLine 650 modules:**

When empty, Variocube ProLine 650 modules weigh between 70 and 90 kg (equipped with Outdoor Premium roofing up to 120 kg) depending on optional equipment and the number of compartments. The ProLine systems have a tubular base that is equipped with adjustable feet. These feet have a depth of 55.5 cm (86 for deep modules) and a width between 37 cm and 70.5 cm (23 cm and 49.5 cm for S modules). This results in a maximum surface load of around 225 kg/sqm (Outdoor Premium roof 240 kg/sqm). The weight of the load must also be taken into account! This depends on the respective application and must be added by the customer.

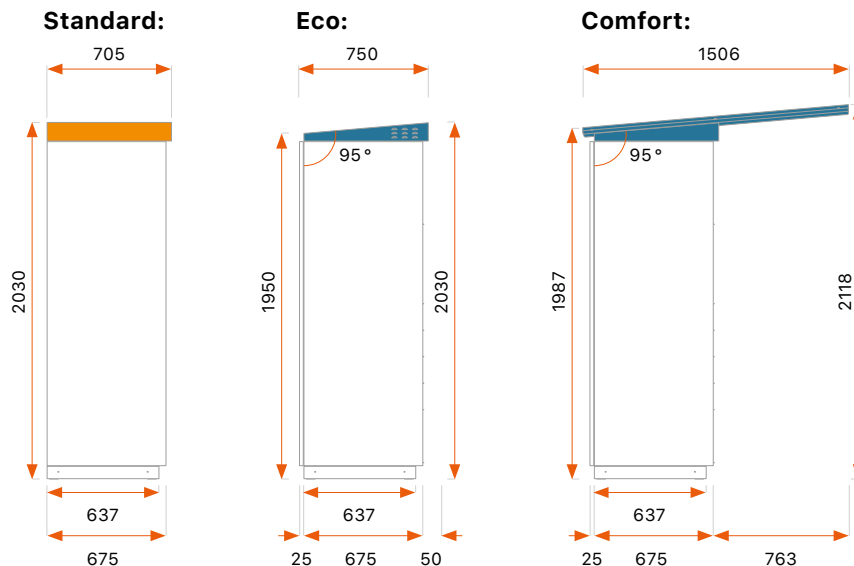## ▼ VC ProLine Roof variants

ProLine Eco

The Eco version is our basis for outdoor use.

ProLine Comfort

The Comfort canopy made of laminated safety glass and stainless steel beams protects the user and the facility from direct weathering.

ProLine Standard

Our standard roof variant is used for indoor systems or for systems in enclosures that have been built.

Standard:
705
2030
637
675

Eco:
750
95°
1950
2030
637
25   675   50

Comfort:
1506
95°
1987
2118
637
25   675   763

The number of roof elements required depends on the number of modules installed in the system.
For the Comfort version, there are special support strips for left, centre and right.

Minimum number of modules
and roof elements:
- Eco variant + Standard variant:
  1 module
- Roof variant Comfort:
  2 modules

▼ Additional options for VC ProLine

With the optional equipment of the VC ProLine Master Module, the range of functions can be further expanded. It is possible to control external door operators, install payment terminals and various readers and scanners. Thanks to these options, you get maximum flexibility for your application.

Payment Terminal

Goods and services can be paid for directly by debit or credit card via the payment terminal.

Keypad

Additional haptic input field. The code entry is made easier for impaired persons.

NFC-Reader

The NFC reader enables the opening of compartments with an NFC medium such as key fobs, and cards. We support 2 standards: Legic and MiFare.
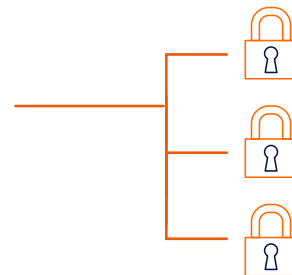
Bar- and QR-Code Scanner

This scanner can be installed to scan barcodes and QR codes and thus open compartments, register consignments, etc.

I/OExtender

The Variocube I/O Extender connects external systems with the VC Smart Lockers in order to address them system-wide with the Variocube software.

Keypad

Mounted externally, for example it can open doors, gates and barriers outdoors in front of a pick-up station.

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Module Overview Variocube ProLine

Gas cylinder vending machine [outdoor]

Fully automated gas cylinder sales, 24/7 Click&Collect, rental, returns and much more.

Purchase and pick-up of gas cylinders even outside opening hours - a clear added value for your customers!
Can be delivered as a ready-to-crane unit. Assembly and commissioning on site are therefore possible very quickly.
Even later changes of location can be carried out easily and cost-effectively!

VC - gas cylinder vending machine

Variocube ProLine Module

10 x VC-3S-G
1 x VC-T-G

**Compartment sizes
(W x H x D) mm**

10 x 3 HE: 320 x 430 x 350
10 x 4 HE: 320 x 580 x 350
10 x 5 HE: 320 x 730 x 350

Frame construction

Quality product - Made in Austria,
exceptionally stable in metal.

VC ProLine Long goods [indoor]

Click&Collect, rental, service, returns, etc.
for goods with excess length.

VC ProLine 650 LGA-1: 1 Compartment [W x D mm] 460 x 650, open top
VC ProLine 650 LGA-2: 2 Compartments [W x D mm] 220 x 650, open top

VC-LGA-1   VC-LGA-2

Turnkey System Solutions for Web-Enabled Lockers.

Cutting edge web technologies and innovative locking systems paired with modular locker configurations.

- Extremely modular and adaptable.
- Cloud-based, use of proven, front line technologies.
- Secure due to purpose designed system architecture.
- Durable metal finish, suitable for large scale use
- Can be planned individually as furniture by architects or designers.
- Cross channel use due to various locker sizes in combination with simultaneous multi-app capabilities.
- Independent, due to use of a mobile network connection, only a 230 volt socket is required.
- Easily integrated into your IT setup.