



● Park Bike

www.vapos.cz

Missing part of transport
infrastructure
for 21st century



About Us



Custom manufacturing

2 million parts produced per year

20 years of experience

150+ employees

VAPOS company is a member of RKO GROUP Holding, which is based on traditional and family-owned values.

We focus on

among other things, to protect the environment and help disadvantaged citizens in the job market.

VAPOS is based in Jičín and has been manufacturing machines and precision machine parts since 1996.

Benefits of the Park Bike



01 For all types of bicycles
and electric bikes

02 Safely parks
up to 168 bikes

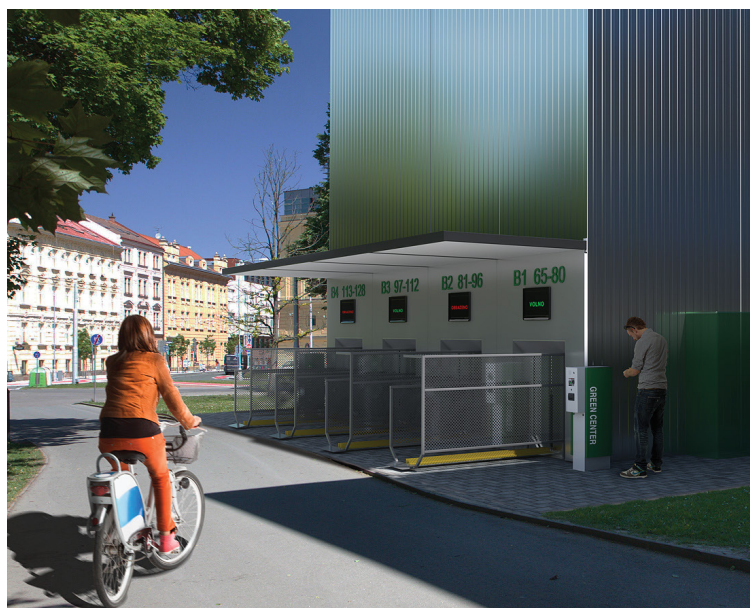
03 Bike check-in
in 20 seconds

04 Serves up to
12 customers at once

Park Bike

General technical parameters of the PARKBIKE 56 parking system		
Tower		
Number of service stations	4	pcs
Number of containers	56	pcs
Length	4	m
Width	9	m
Height	11	m
Built-up area	36	m ²
Control system - SIMATIC CPU15125SP F-1 PN		
Operating voltage	400	V AC
Control voltage	24	V
Frequency	50	Hz
Installed power	24	kVA
Rated current	35	A
Supply cable	5x10	mm ²
Protection	40	A
Container		
Length (internal dimension)	1910	mm
Width (internal dimension)	750	mm
Height (internal dimension)	1350	mm
Maximum load weight	50	kg

One or more towers could be designed for parking not so common types of bicycles, such as FATBIKE, bicycles with built-in childrne's seat or children's bicycles. Some towers may be set aside for parking season ticket holders.



"Without waiting"

Another advantage is the method of parking and unparking individual bicycles. Each module has its own automatic rolling door. It is therefore possible to load bicycles into all modules simultaneously. The main difference compared to the competition is therefore the minimisation of parking and unparking time of bicycles in a large group of users.



The tower consists of modules of bolted steel construction, in which the elevators move. These, together with the automatic entrance doors, are controlled via a servo drive by a system from Siemens company.

Practical accessories



PHOTOVOLTAIC POWER STATION – PARK BIKE towers can be equipped with solar panels, which save energy and significantly reduce operating costs.

BIKE COMPRESSOR – equipping the tower with a bike compressor is now a matter of course.

SERVICE STATION – a fault on the bike? No problem, built-in service stations make it easy to repair a broken bike.

BATTERY CHARGERS – nowadays, an option of charging batteries for electric bikes is a very welcome accessory.

REMOTE DIAGNOSTICS – in many cases, minor faults can be repaired by remote access.

TICKET MACHINE – one way to buy a parking ticket is by using a nearby ticket machine.

USER INTERFACE – purchase a ticket, check the status of occupancy and more. All this is possible by using the mobile app or PC.



A smarter, safer and cleaner transport system. The aim is to motivate the public to switch from individual car transport to cycling and thus contribute to reduce emissions, especially in cities.

Implementation in Jičín



Czech product

The key advantage of PARK BIKE for bicycle parking is unlimited choice of tower designs. This is the only way to ensure undisturbed urban development while improving the quality of transport infrastructure.





by

VAPOS

