

# SUBTERRA

## Double-Deck Parking Lift



*Optional design shown*

babcopark



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## Double-Deck Parking Lift



## MEET THE SUBTERRA

The rapid increase in the number of cars is causing a shortage of parking spaces, increased traffic congestion, and a decline in the quality of the living environment. The **Subterra** Parking Lift offers an excellent solution to these problems.

This versatile system functions as both a parking lift, stacking one vehicle on top of another, and an elevator, transporting vehicles between ground level and basement parking floors. When folded down, the top platform becomes completely invisible and can be covered with appropriate pavement to seamlessly blend with the surroundings.

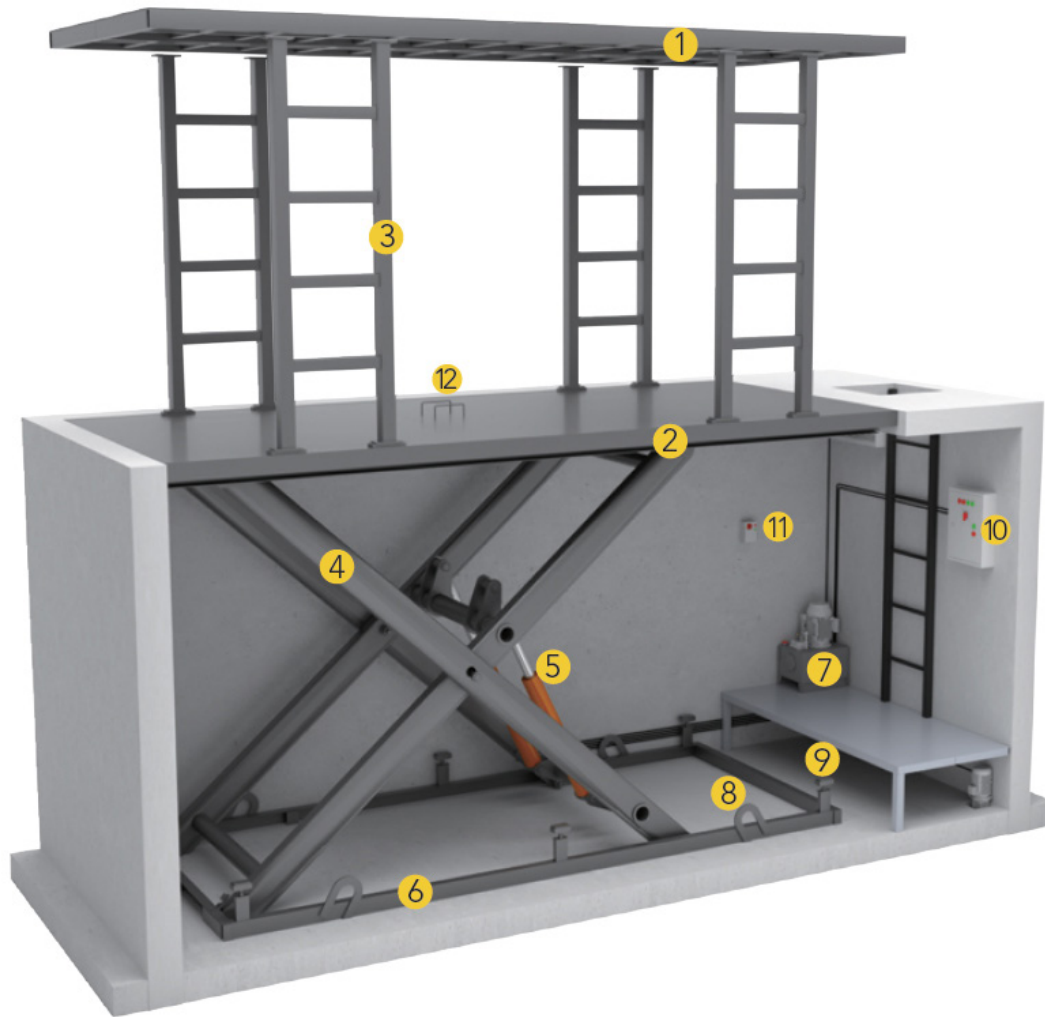
### FEATURES:

- Dual functions, independent parking or car transportation
- Option to lift 2 cars up together
- Overall lifting capacity: up to 6000kg
- Platform size: up to 6000mm long, and 5000mm wide
- Foundation pit is required on all conditions
- Premium safety and simple operation
- Half pre-assembled structure, easy to install
- Fine finishing of powder coating
- Remote control included
- Max triple platforms are possible
- Possible to décor the top platform and make it disappear



# GENERAL PARTS

Please note that certain functions may not be available for certain models.  
For further details, kindly reach out to BabcoPark's sales representative.



## FEATURES

1	Upper Platform
2	Main Platform
3	Support Columns
4	Scissor Arm
5	Hydraulic Cylinder
6	Base Frame
7	Power Pack
8	Lifting Lug
9	Safety Limiter
10	Electrical Box
11	Control Panel
12	Maintenance Hole (Optional)

# SUBTERRA



# Advantages

## **PREMIUM TAILORED SERVICE**

The dimensions of the Subterra can be fully customized. For new buildings, Babco recommends a minimum platform dimension of 5500x2500mm

## **VERY COST EFFECTIVE**

Ideal solution to replace conventional concrete ramps, cover much less area and require a lot less construction cost.

## **SIMPLE INSTALLATION**

Simplified structural design, with major scissor structure being pre-assembled in factory, greatly shortens the installation period & cost to client.

## **MULTIPLE APPLICATIONS**

The upper platform serves as a floor after system lowering down. It can be used to moving vehicles between ground and basement underneath, or act as parking lift and store a vehicle in ground.

## **EASY OPERATION**

A control panel is available on each level making control easy and intuitive.

## **SUPERIOR SAFETY DESIGN**

All Subterra's are equipped with solenoid valve that monitors oil pressure changes and can shutdown the cylinder oil port for emergencies.

## **ANTI-SLIP CHECKERED PLATFORM**

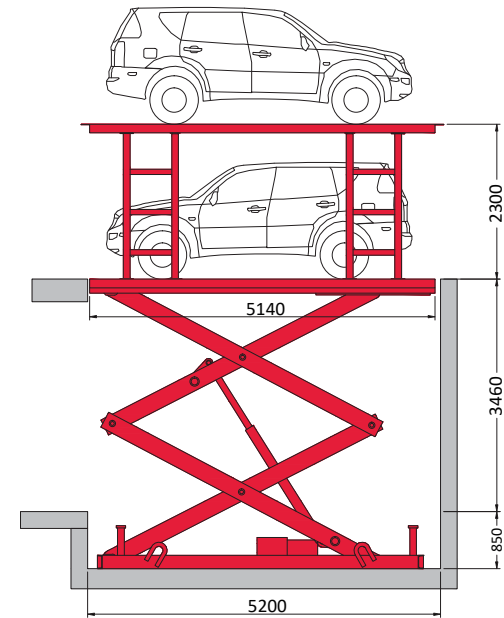
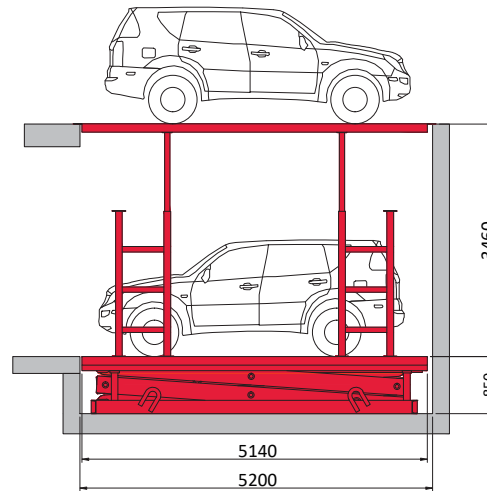
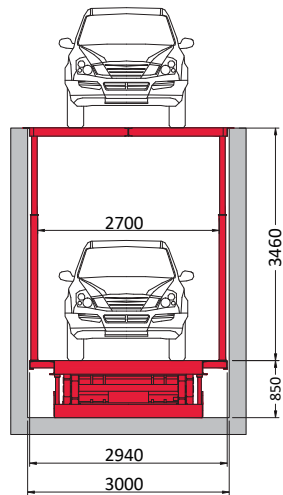
Platform is made of 4-5 checkered steel plates for an anti-slip surface. Additional materials and surface treatment are optional.

## **LOW USAGE COST**

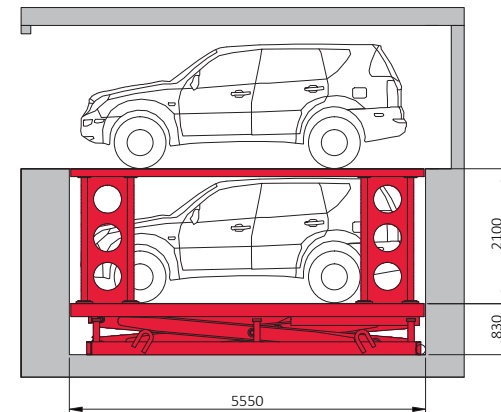
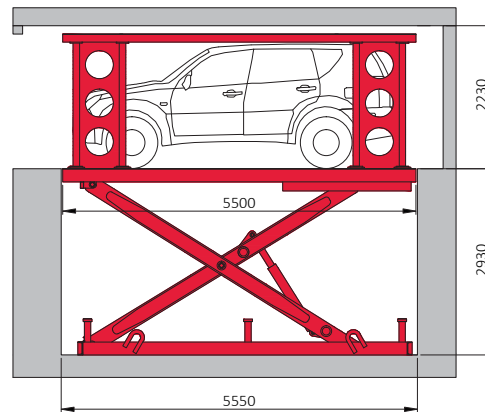
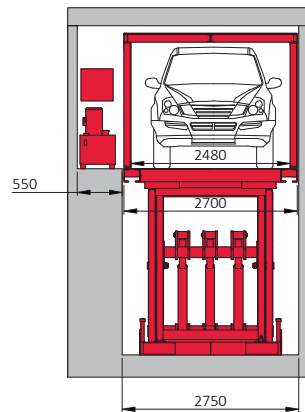
Zero electricity consumption when lowering the Subterra resulting in a low maintenance rate as well.



# Dimensions



Subterra with telescopic support columns



# SUBTERRA

*Drawing shown above is just a sample, for specific project requirements please contact our sales representative to confirm exact specifications and drawings.*



# Specifications

<b>Platform Quantity</b>	2
<b>Lifting Capacity</b>	6,600 lbs. per platform
<b>Lifting Height</b>	78" - 236"
<b>Platform Length</b>	78" - 236"
<b>Platform Width</b>	78" - 118"
<b>Platform Material</b>	Steel Checker Plate (standard) / Aluminum Checker Plate (optional)
<b>Drive Mode</b>	Hydraulic Cyilinders
<b>Operation</b>	Push Buttons (standard) / Remote Controller (standard)
<b>Power Pack</b>	5.5Kw or above
<b>Power Supply</b>	5 HP / 208-230V / 50-60Hz / 1 PH
<b>Lifting Speed</b>	4m / min.
<b>Finishing</b>	Powder Coated / Galvanized

\* Can be customized according to your requirement

# SUBTERRA



# Safety Devices

- Emergency Stop Button
- Limit Switch
- Proximity Switch
- Pressure Relief Valve
- 24V Electric Control System
- Overload Protection
- Sound Alarm While In Operation
- Anti-Explosion Double-Check Valve
- Oil Pressure Gauge
- Pressure Transmitter (optional)



# SUBTERRA



# Standard VS Optional

## Standard Features:

- Security key switch station
- Emergency Stop Station
- Push and hold operator button
- Hydraulic velocity fuse for preventing free-fall
- Powder Coat Finish



## Optional Features:

- Digital security keypad
- Lift-in-motion audible alarm
- Motion detection system
- Wireless camera system
- Custom platform sizes
- 10,000lb. capacity
- Door status switch
- Door interlock kit
- Special paint colours
- Lift-in-motion flashing light



### Can the Subterra be customized?

Yes, the **Subterra** is highly customizable. Babcopark will work with you to design the perfect lift in all aspects of loading capacity, system length, width and travel height.

### What size pit does the Subterra require?

The dimensions of the pit will depend on the platform size and lifting height. Our sales staff will be able to help you with professional drawings to help guide the process.

### What is the finishing surface of the Subterra?

Standard paint spray comes standard with optional aluminum steel sheets to help water-proof and make the **Subterra** more aesthetically pleasing.

### What are the power requirements? Is single phase acceptable?

Generally speaking, we suggest a single phase power supply.

### Will the Subterra still function in case of an electrical failure?

No, without electricity, the **Subterra** will not function. We suggest a back-up generator in case of electricity failures.

### What is the warranty like on the Subterra?

The **Subterra** warranty covers five (5) years for the main structure (2) years on power unit and one (1) year for moving parts.



babcopark

(855) 508-4520 | [info@babcopark.ca](mailto:info@babcopark.ca) | [babcopark.ca](http://babcopark.ca)