

Professional Homelift Power Supplier

Engaged in design and R&D, manufacturing and assembly operations, and modern service businesses.

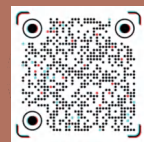
Vitarte

M2 Shuttle Elevator

—
specially designed for two-story spaces.



REDnote



TikTok

4007-888-521
SERVICE HOTLINE

Lontron Smart Home (Jiaxing) Co., Ltd.

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E-mail: info@vitarte.com

Vitarte
维亚帝

PROFESSIONAL-GRADE
HOME ELEVATOR SUPPLIER



COMPANY PROFILE

Lon Chuang Intelligent Technology is an innovative company specializing in the design, research and development, as well as manufacturing of home lifts worldwide. Headquartered in the Chinese city of Jiaxing, the company has two R&D and manufacturing bases in Suzhou and Jiaxing. We are committed to providing quality products that meet the smart home lifestyle needs of global consumers.

Lon Chuang is dedicated to innovation, creative trends, as well as safe design and manufacturing. We are one of the leading companies that build artistic and comfortable home lifts, as opposed to conventional lifts that are dull. Visual elements are combined with rigidity and flexibility in material selection to create cozy lifts that boost users' quality of life.

DEVELOPMENT COURSE

2014 Company start-up

The company was registered and established, introducing the Swedish brand Aritco.

2017 Expand gradually

Opened more than ten showrooms in first-tier cities such as Beijing, Shanghai, and Guangzhou.

2018 Transformation and upgrading

Renamed itself Lonchuang, built a service brand, and introduced stairlift products.

2016 Set sail

Established its own after-sales service team, and opened its first showroom in Qingdao.

2021 Progress in parallel

The company successfully launched its own brand Vitarte, which went on to win two prestigious awards including the Red Cotton Award. It also introduced the Swedish brand SWIFT, and later debuted its proprietary brand Longtron. Today, its business spans over 160 cities.

2024 Add the finishing touch

High-tech enterpriseThe Jiaxing Manufacturing Base was awarded the titles of “Specialized, Refined, Unique and Innovative Enterprise” “Zhejiang Provincial Innovative Enterprise.”

2023 Constant Renewal

Over 100 experience centers nationwide
Phase I of the new Jiaxing factory was completed.

2022 Integrated production and R&D

The Jiaxing manufacturing base officially commenced production. Vitarte won the IAI Award and the German Design Award, and launched its new CHIC series.

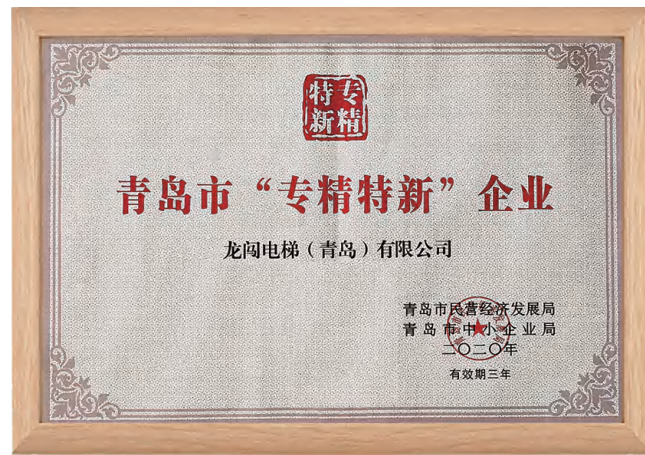
2020 Technological breakthrough

Suzhou R&D Center established
“Little Giant” enterprise status awarded
50+ showrooms & service centers nationwide

2019 Expand nationwide

32 Showrooms & Service Centers Nationwide

BRAND ACCOLADES



50+
TECHNICAL PATENTS
&
INTELLECTUAL PROPERTY RIGHTS



SPACE-EFFICIENT GENIUS



80CM



81.6CM



By moving the double-door refrigerator in your home, you can make space to install an M2 elevator, **with a minimum size of 816 mm × 916 mm.**

Independent car operation, when the car is stopped at one floor, it does not occupy the space of another floor. **(Data: double-door refrigerator width 80 cm, depth 90cm)**



NO DISPUTES

Load is borne by the wall, while the floor slab carries no load. This meets the installation requirements of special spaces such as top-floor duplexes and upper units, avoiding disputes with downstairs neighbors or property management.

NUT AND SCREW DRIVE



When the motor stops driving, the friction between the threads of the nut and lead screw creates a mechanical self-locking effect. Even in the event of a power outage or motor failure, the lift car is 'locked' in its current position and will not slide down under gravity, fundamentally eliminating the possibility of free fall.

Precision engagement between the vertical lead screw and the driven nut

EXTREMELY LOW FAILURE RATE



SIMPLE
STRUCTURE

The screw elevator has a simple structure

It has no complex steel ropes, counterweights, or hydraulic systems. The reduction in the number of components significantly lowers the probability of failure.



Market data from Europe's home elevator sector shows that the annual failure rate of screw elevators is only **0.30%**, far lower than the **1.2%** of traction elevators.

Source: 2025 European Lift Association (ELA) 'European Elevator Market Yearbook'. This data has also been verified by third-party organizations such as TÜV Rheinland and SGS.

TOP SAFETY COVER PLATE



When the elevator is stopped at the lower floor, the safety cover descends into the shaft and fits into the embedded receptacle, covering the opening in the upper floor. The top of the cover includes obstacle detection sensors, which immediately stop the elevator if an object is detected above.

The safety cover is made of thick, solid material with strong load-bearing capacity. It magnetically attaches to the shaft's embedded receptacle, and cannot be moved without specialized tools.

BOTTOM SAFETY TRAY

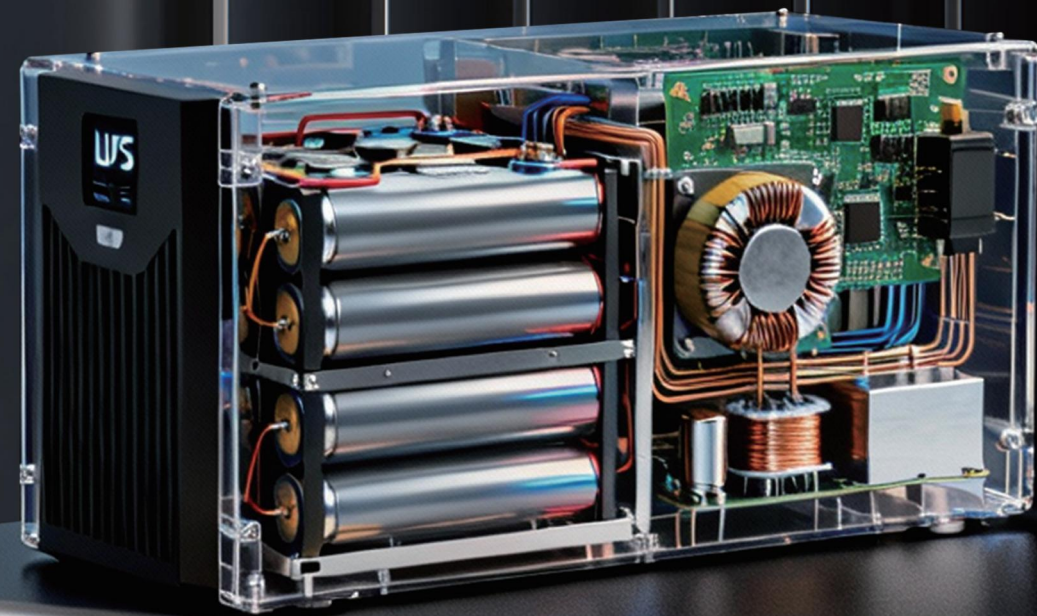
Equipped with mechanical micro-switch sensors and infrared proximity probes, it provides dual safety protection for the space beneath the elevator during descent.

The elevator's braking distance is shorter than the height of the micro-switch, so any obstacle at the bottom will only feel the slight rebound force when the micro-switch is triggered — giving you and your family complete peace of mind as you move between floors.



NO PASSENGER ENTRAPMENT DURING POWER FAILURE

- In the event of a power outage at home during use, the UPS backup power activates to supply energy to the elevator, allowing it to travel directly to the nearest floor and safely discharge passengers.



HALF-HEIGHT DOOR SAFETY LIGHT CURTAIN

- When you choose the half-height door option, the elevator is equipped with a safety light curtain above the door as standard. If an obstacle is detected in the light curtain area, the elevator will stop immediately.





NO DAMAGE TO WALLS

Thanks to the physical safety structure principle of the nut and screw mechanism, no additional counterweights or components are needed. The elevator features a simple structure, low self-weight (≤ 500 kg), and causes virtually no damage to the wall.

BLUETOOTH CONTROL

It can be remotely called or controlled to move up and down, making it convenient for elderly people in wheelchairs to travel. It is especially suitable for carrying heavy objects, furniture, or large items between floors.



Vitort M2

SCREW-DRIVEN SHUTTLE ELEVATOR · DESIGNED SPECIFICALLY FOR TWO-STORY HOUSES.



PRODUCT INFORMATION

Number of floors/stations: 2 floors, 2 stations (total height not exceeding 7,000mm)

Drive method: Nut and screw drive.

Rated speed: 0.1–0.15 m/s.

Rated capacity: 1–3 persons.

Door opening method: Manual.

Car door types: Half-height door, full-height door.

Call method: Bluetooth remote control.

Car material: Aluminum alloy + aviation-grade acrylic glass.

Interior screen type: 10.1-inch LCD screen.

Product colors: White, Golden, Gray.

Decorative panel: Steel plate with spray coating
(Note: same color as the elevator).

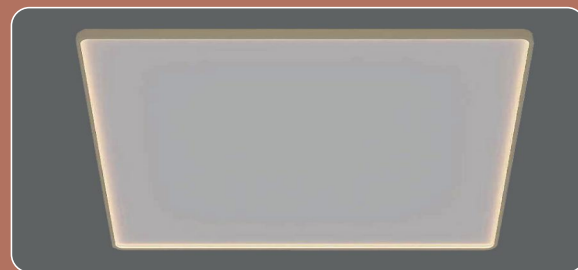
Safety protection:- Full-height door – mechanical micro-switch + infrared sensor;
- Half-height door – mechanical micro-switch + infrared sensor + light curtain.

Car height: External clear height 2208mm,
internal clear height 2100mm.



CEILING CASE DISPLAY

STANDARD CONFIGURATION:

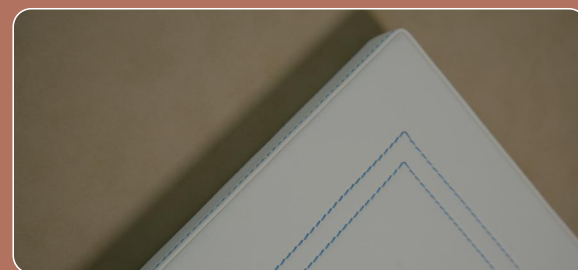


FRAGRANT DELIGHT

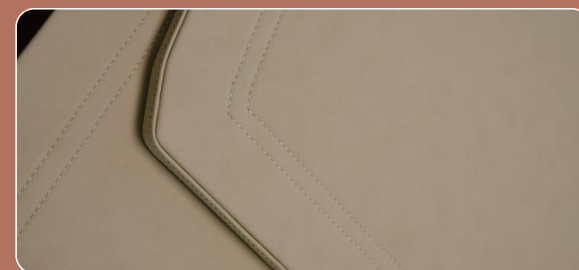


DELIGHT MOTION

OPTIONAL:
PREMIUM HANDCRAFTED SOFT UPHOLSTERY.



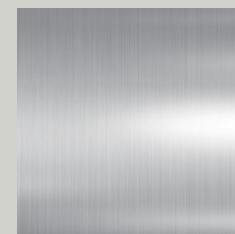
OPTIONAL: WHITE.



OPTIONAL: CARAMEL.

ELEVATOR CAR BACKDROP WALL

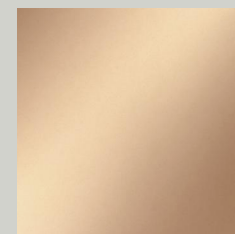
STANDARD CONFIGURATION:
STAINLESS STEEL.



NATURAL STAINLESS STEEL



GRAY

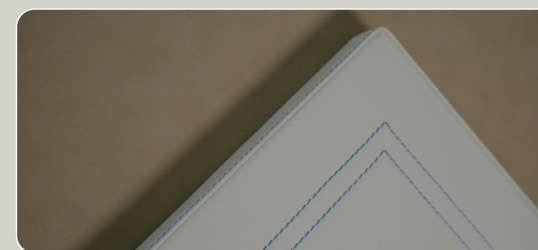


GOLDEN

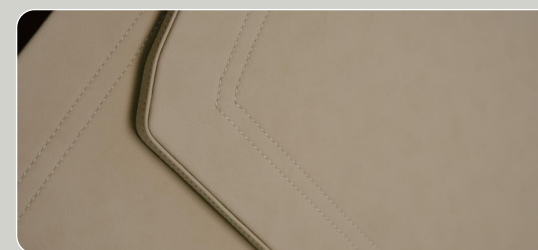


BLACK

OPTIONAL: PREMIUM
HANDCRAFTED SOFT UPHOLSTERY.



OPTIONAL: WHITE.

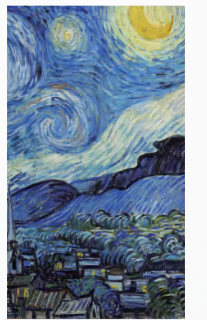


OPTIONAL: CARAMEL.

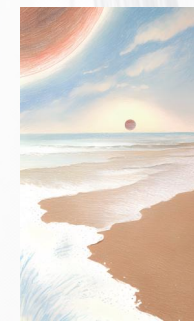
OPTIONAL: 3D PRINTING.



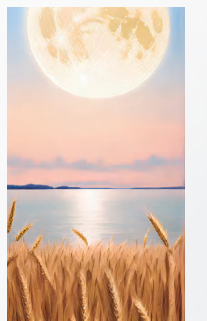
SPRING MOUNTAIN



STARRY SKY



SAND BEACH



WHEAT WAVES



AUTUMN FIELD

PRODUCT PARAMETERS

CIVIL ENGINEERING DRAWING

ITEM	NUMBER	RATED LOAD	RESERVED DIMENSION	EXTERNAL CAR DIMENSIONS	CAR INTERNAL CLEAR DIMENSIONS	DOOR OPENING WIDTH
QUADRI-LATERAL	S	180kg/1-2 PER	816×916mm	699×659mm	640×517mm	502mm
	M	220kg/1-3 PER	926×966mm	809×709mm	750×567mm	612mm
	L	300kg/1-3 PER	1167×1066mm	1050×809mm	991×667mm	853mm
HEXAGON	Hexagon	220kg/1-3 PER	1167×1066mm	1036×809mm	995×667mm	585mm

		CAR-TO-MACHINE-ROOM-FACE CLEARANCE	INTERNAL CLEAR HEIGHT OF THE CA
FIRST FLOOR HEIGHT (CLEAR HEIGHT JH)	$TH \geq 2250\text{mm}$	/	2100mm
SECOND FLOOR HEIGHT (CLEAR HEIGHT SH)	$SH \geq 2620\text{mm}$	10	2100mm
SECOND FLOOR HEIGHT (CLEAR HEIGHT SH)	$2250\text{mm} \leq SH \leq 2620\text{mm}$	37.5	2100mm
SECOND FLOOR HEIGHT (CLEAR HEIGHT SH)	$SH < 2250\text{mm}$	37.5	$2100\text{mm} + (SH - 2250)$

