



VILLA ELEVATOR SERIES

别墅电梯系列



苏州立雅电梯有限公司
SUZHOU LIYA ELEVATOR CO. LTD

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苏州立雅电梯有限公司
SUZHOU LIYA ELEVATOR CO. LTD

源自新加坡

Originate from Singapore



公司简介

Company profile

苏州立雅别墅电梯，专业从事高端别墅电梯产品的研发与定制，是集研发、制造、安装、维保、改造于一体的技术型企业。

企业引进全新技术，全套采用国际领先的数控折弯机、数控剪板机、数控转塔冲床、数控切割机自动化先进生产设备，从产品设计、工程规划，到服务与现代化更新，用智造赋予电梯更多可能。

立雅，始终坚持对工艺的传承与创新，保持对用户的理解与尊重，通过丰富的实践经验与智能化信息技术资源整合，以高起点的设计理念，和国际先进的生产加工工艺，实现了电梯品质的全面升级，使产品更具安全、舒适、精美、节能和环保等特点，为每一位客户提供私人订制一站式服务，全方位满足人性化居家需求。

Suzhou Liya Villa Elevator specializes in researching into, developing and tailor-making various high-grade villa elevators. It is a high and new tech enterprise that integrates the elevator research, development, manufacture, installation, repair, maintenance, transformation into one.

The enterprise introduces brand-new technology. It applies a full set of the leading international digital bending machine, digital plate shearing machine, digital turret punch press, digital cutting machine etc. From product design; project planning to service and modern upgrading, elevators are richly endowed with more and more possibilities through the intellectual manufacture.

Liya Company always follows and innovates upon new craft and technology. We understand and esteem vast users. It integrates the rich practical experience with intellectual information technology resources. It fulfills overall upgrading to the elevator quality through high starting point design concept, the advanced international production and machining craft & technology. Our products feature as safe, comfortable, attractive, energy-saving and environment-protection and so on. It provides every client with exclusively tailor-made one-stop services. It satisfies the human-centered household requirements in an omni-bearing way.



卓越技术 智能空间

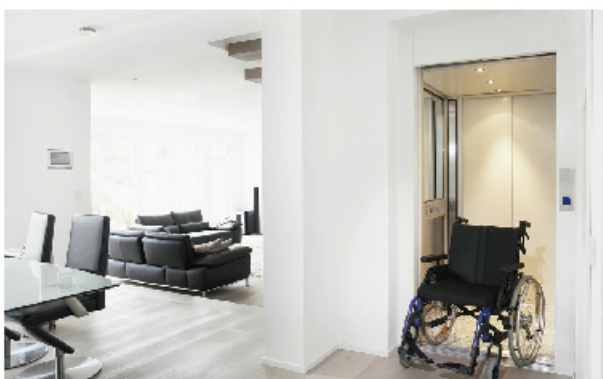
Outstanding Technology
Intellectual Space

安全新概念，电梯永不关人

New safety concept
Never trap any passengers

立雅别墅电梯具有领先的应急和故障自救功能，当电梯停电或出现故障保持时，电梯将自动启动自救功能，通过控制柜内的蓄电池开启电梯就近楼层区，自动打开轿门实现自救。即使老人小孩独自在家，也不必担心会被困在梯中。人性科技，安全无忧。

LIYA Villa elevator has leading emergency and trouble self-rescue functions. When power fails or it keeps trouble conditions, elevator automatically starts self-rescue function. It starts elevator through accumulator in control cabinet to nearby floor zone. It automatically opens car door to fulfill self-rescue. Even if kids or the old are at home alone, they will not be trapped in elevator. Human-centered technology fulfills safe and relaxing properties.



人脸识别系统

Human-face
recognition system

为了满足高端智能化的用梯新需求，立雅别墅梯产品通过事先采集业主家庭成员的脸部图像信息并存储。当成员有用梯需求时，只需将人脸对准安装在各楼层厅门旁的“人脸识别系统”，扫描比对通过后，此系统会自动召唤别墅电梯到达您所在楼层并自动开门迎客，您进入轿内登记指令后即可用梯。

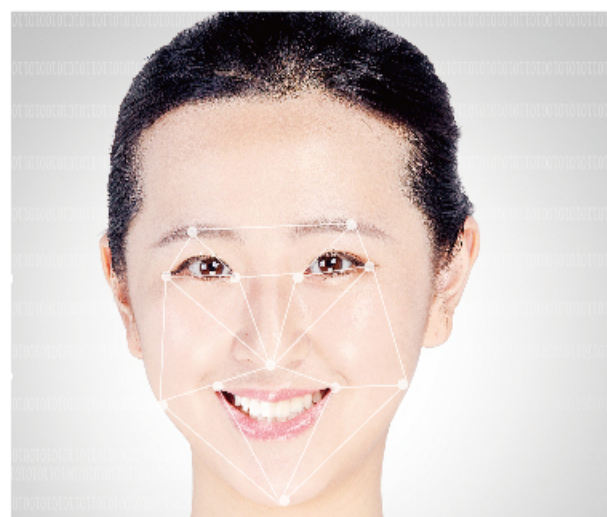
In order to satisfy new travel requirements from high-end intellectual elevators, LIYA villa elevator pre-collects and stores the facial image of the owners' family. When they have need, target their faces to "human-face recognition system" beside hoist-way doors at various floors, after it passes the scan comparison. System automatically calls villa elevator to your floor and opens the door automatically. After you enter, register the car command for use.

智能控制

Intellectual control

采用结合当代工控技术和通讯技术的无辐射一体式控制柜，全钢板封闭式设计，屏蔽辐射，维护方便；VVVF变频控制门机系统，任意调节门机运行曲线，运行安全，质量稳定。

It applies radiation-free integrated control cabinet which combines contemporary industrial control technology with communication technology. Enclosed steel plate design shields radiation with the convenient maintenance. VVVF variable frequency control door machine system freely adjust door machine running curve with safe operation and stable quality.



曳引式 别墅电梯

Traction Type Villa Elevator

曳引式别墅电梯的特点

Characteristics of a traction
type villa elevator

- ◎ 无需传统机房：节省建筑成本
- ◎ VVVF驱动技术：家用电梯专用微板控制，平稳舒适
- ◎ 专用曳引机机架：固定于导轨，建筑物可不承受力
- ◎ 采用普通家用220V单相电源，无需另外申请工业电源
- ◎ 自动专用门机：变频节能，安全可靠
- ◎ UPS(后备电源)在停电时可以应急放人

- ◎ It does not need machine room. It saves the building cost.
- ◎ VVVF drive technology: Home elevator dedicated micro-computer control is smooth and comfortable.
- ◎ Special traction machine base frame is fixed on guiderail. The building does not bear any load.
- ◎ It applies ordinary home-use 220V single-phase power supply without additional application for industrial mains.
- ◎ Automatic door operator: Variable frequency energy-saving, safe and reliable
- ◎ UPS (backup) can release the passengers during power failure.

多种开门方式选择不同品位生活

Various ways of opening modes, choose
different grade of life

采用多种开门方式供用户选择，同时可根据用户的需求和使用情况特殊设计。

The products can be specially designed according to the
users' requirements and use conditions.



中分式
Center-opening



旁开式
Side-opening



手拉门
Manually operated door



钢带型 别墅电梯

Steel Belt Villa Elevator

采用更加节能、环保、耐用的复合钢带，配以高效节能型主机、变频门机、安全可靠的光幕门保护装置等多项国际领先技术，将垂直运输电梯发展带入了新的阶段。

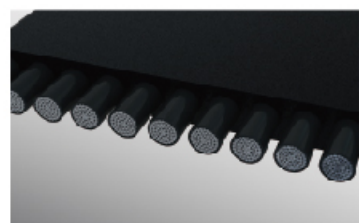
Applies the more energy-saving, environment protection and durable composite wire cable. It matches with multiple leading international technologies such as effective energy-saving host, variable frequency door machine, safe and reliable light curtain door protection device etc. It brings vertical transport elevator development into a new stage.

专用型钢带和保护装置

Special-purpose steel band and protection device

绳股重新排布，扁平设计使接触面积增大，提高曳引摩擦力；
聚氨酯包层既能保护钢丝绳股，又能增加柔韧性，减小曳引轮磨损；
钢带不需要额外润滑，无油污污染；
比钢丝绳振动幅度低，更平稳舒适；
比传统钢丝绳轻，节省电能；
使用寿命更长。

Wire strands are re-arranged, flat design enlarges the contact area, it increases the traction frictional force.
Polyurethane cladding protects wire rope strand, reinforces its flexibility. It reduces wear-ability of traction sheave.
Steel band needs no extra lubrication. It has no oil stain pollution.
Compared with wire rope, it has the lower vibration amplitude. It travels more smoothly and comfortably.
It is lighter than traditional wire rope. It saves the electric energy.
Longer service life.



复合钢带
Composite Steel Belt



传统钢丝绳
Traditional Wire Rope



强驱式 别墅电梯

Strong Drive Type Villa Elevator

采用先进的强制驱动主机和数字化控制变频调速技术，运行平稳、无需对重、无齿轮箱、体积小、安装便捷、更节省成本和建筑空间。

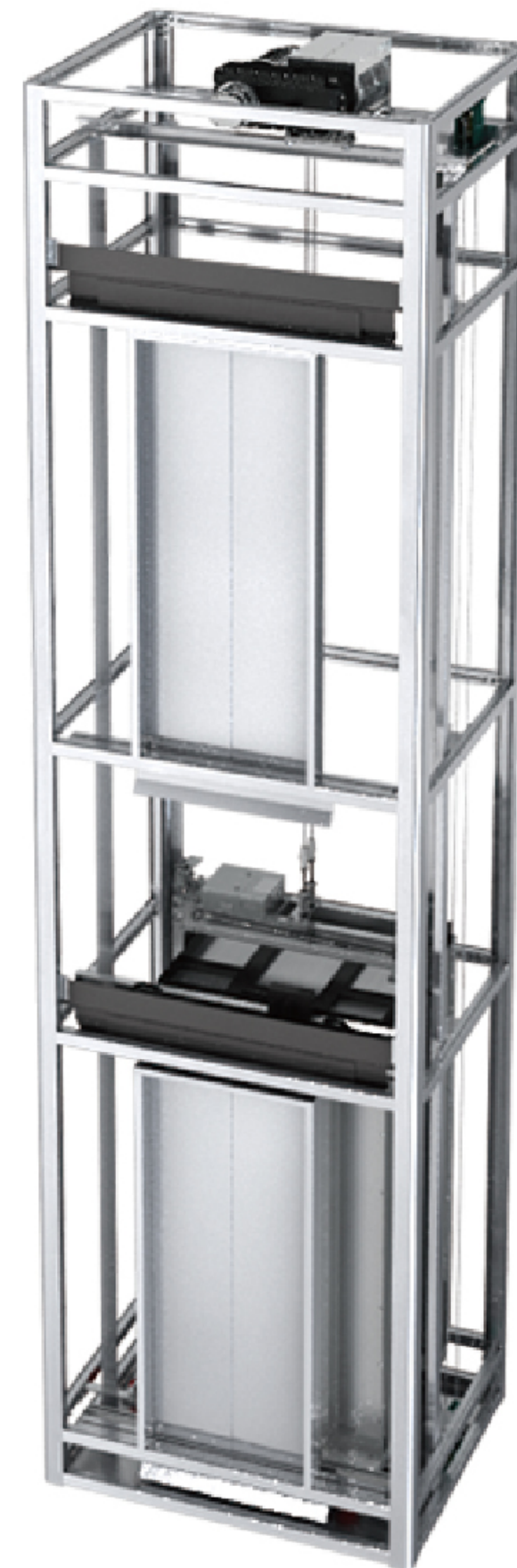
It applies the advanced forced drive host and digital control variable frequency speed regulation technology with smooth running. It needs no counterweight, no gearbox with small bulk, prompt and convenient installation. It saves more cost and building space too.

强驱式结构的特点：

Product features

高效齿轮箱与高效永磁电机相结合，实现无对重高效运行；
主机小型化和轻量化，可以适应最小井道，同时顶层高度、底坑深度和井道利用率均达到最佳效果；
主机噪音控制在 48 分贝左右，1:1 安装，真正实现低噪音运行；
永磁电机配控制柜做封芯处理，机械或电动松闸后，电梯以低于 0.1m/s 速度向下运行，安全可靠；
启动电流比额定电流高 1A，对家庭电网无冲击；
上置式卧式安装和下置式立式安装，满足不同布置方案。

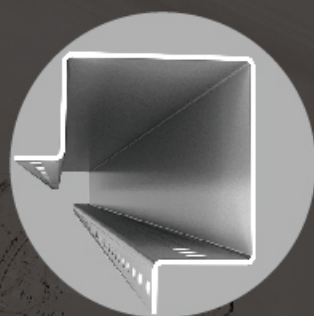
High efficiency gearbox and high efficiency permanent magnet motor are combined to realize high efficiency operation without counterweight;
The main engine is miniaturized and lightweight, which can adapt to the smallest well path. Meanwhile, the height of the top floor, the depth of the bottom pit and the utilization rate of the well path all achieve the best effect.
Host noise control in about 48 db, 1:1 installation, really achieve low noise operation;
The permanent magnet motor is equipped with control cabinet for core sealing. After mechanical or electric brake is released, the elevator will operate at a speed lower than 0.1m/s, which is safe and reliable.
The starting current is 1A higher than the rated current and has no impact on the household power grid;
The upper horizontal installation and the lower vertical installation meet different layout schemes.



钢结构井道

Steel structure well

高级钢结构框架
High grade steel structure frame



钢结构切面
Section of steel structure

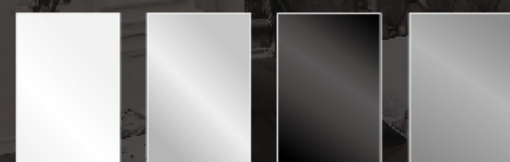
钢结构井道特点

Characteristics of steel structure well

性价比高，外包板后期由装修单位封装与设计风格一致，安装位置可自选，简洁美观，井架表面以豪华汽车油漆工艺标准及进口油漆喷涂，防锈防腐，永保光亮如新。

It is of high cost performance. Later outer sheath coincides with the decoration unit package and design style. Installation position can be chosen by the client. It appears concise and attractive. Well-frame surface takes the deluxe car paint technological standard and imported oil-paint. It resists any rust / corrosion. It always keeps new and bright.

高级喷涂框架
Advanced spray alloy frame



白色 white
炫彩银 Dazzle colour silver
黑色 white
灰色 white

玻璃侧板
Glass side panel



全透明玻璃 Fully transparent glass
灰色透明玻璃 Gray transparent glass
茶色透明玻璃 Dark brown glass



铝合金井道

Aluminum alloy well

高级铝合金框架
High grade aluminum alloy frame



铝合金切面
Aluminum alloy section

铝合金井道特点

Characteristics of Aluminum alloy well

独立的框架玻璃设计，不额外增加建筑成本，透光性好，与室内装潢为一体；安装位置可自选，耐腐蚀，寿命周期长选用工业级铝合金，采用安全夹胶玻璃。

Independent frame glass design does not add any extra building cost with fine transparency. It integrates with indoor decoration into one. Installation positions can be chosen by the clients. It resists any corrosion with long service life. It chooses the industrial-class aluminum alloy. It also applies safety laminated glass.

高级喷涂框架
Advanced spray alloy frame



白色 white
香槟金 Champagne gold
钛金色 The titanium golden
玫瑰金 Rose gold

玻璃侧板
Glass side panel



全透明玻璃 Fully transparent glass
灰色透明玻璃 Gray transparent glass
茶色透明玻璃 Dark brown glass



轿厢装潢

The Car Decoration



LY-V01 选配/Optional

吊 顶: LED灯点缀于镜面不锈钢
轿 壁: 360°全圆安全夹胶钢化观光玻璃
扶 手: 弧形不锈钢圆形扶手
地 板: 圆形大理石

Ceiling: LED lamp is decorated in mirror stainless steel
Car wall: 360° all-round safety laminated roughened observation glass
Handrail: Curved stainless steel circular handrails
Floor: Round marble



LY-V02 选配/Optional

吊 顶: LED灯点缀于镜面不锈钢
轿 壁: 360°全圆安全夹胶钢化观光玻璃
扶 手: 弧形不锈钢圆形扶手
地 板: 圆形大理石

Ceiling: LED lamp is decorated in mirror stainless steel
Car wall: 360° all-round safety laminated roughened observation glass
Handrail: Curved stainless steel circular handrails
Floor: Round marble



轿厢装潢

The Car Decoration



LY-V03 选配/Optional

吊 顶: 发纹不锈钢, 亚克力灯饰, LED筒灯
轿 壁: 发纹不锈钢, 观光玻璃
地 板: PVC或大理石可选

Ceiling: Hairline stainless steel, acrylic light decoration, LED down lamp
Car wall: Hairline stainless steel, observation glass
Floor: Optional PVC or marble



LY-V04 选配/Optional

吊 顶: 玫瑰金不锈钢, 亚克力灯饰
轿 壁: 玫瑰金不锈钢, 安全夹胶玻璃
扶 手: 玫瑰金不锈钢单管
地 板: PVC

Ceiling: Rose gold stainless steel, acrylic lighting
Car wall: Rose gold stainless steel, safety laminated glass
Handrail: Rose gold stainless steel single tube
Floor: PVC

轿厢装潢

The Car Decoration



LY-V05 选配/Optional

吊 顶：镜面不锈钢框架，中间亚克力喷绘顶板，亚克力灯饰

轿 壁：发纹不锈钢，玫瑰金蚀刻

扶 手：无

地 板：PVC

Ceiling: Mirror stainless steel frame, central acrylic air brushed top panel, acrylic light decoration

Car wall: Hairline stainless steel, rose gold mirror etching, stainless steel

Handrail: None

Floor: PVC



LY-V06 选配/Optional

吊 顶：木饰面，LED筒灯

轿 壁：木饰面，钛金镜面蚀刻不锈钢，彩饰板

扶 手：无

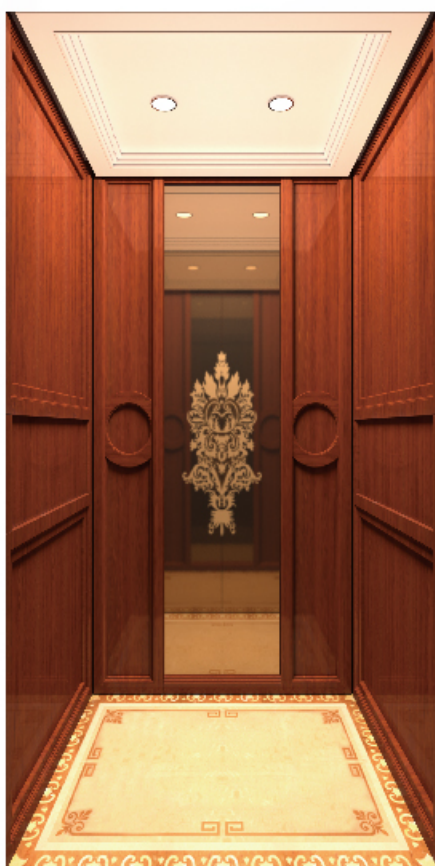
地 板：PVC

Ceiling: Wood decoration, LED lighting

Car wall: Wood decoration, titanium gold mirror etched stainless steel, color decoration panel

Handrail: None

Floor: PVC



LY-V07 选配/Optional

吊顶：镜面不锈钢，亚克力灯饰，LED照明

轿壁：钛金不锈钢，钛金镜面蚀刻不锈钢

扶手：无

地板：PVC

Ceiling: Mirror Stainless Steel, Acrylic Light Decoration, LED Lighting

Car Wall: Titanium Stainless Steel, Titanium Mirror Etching Stainless Steel

Handrail: None

Floor: PVC



LY-V08 选配/Optional

吊 顶：钛金发纹不锈钢，亚克力透光板，LED灯

轿 壁：钛金发纹不锈钢，钛金镜面不锈钢蚀刻

扶 手：无

地 板：PVC

Ceiling: Titanium hairline stainless steel, acrylic translucent plate, LED light

Car wall: Titanium hairline stainless steel, titanium mirror stainless steel etching

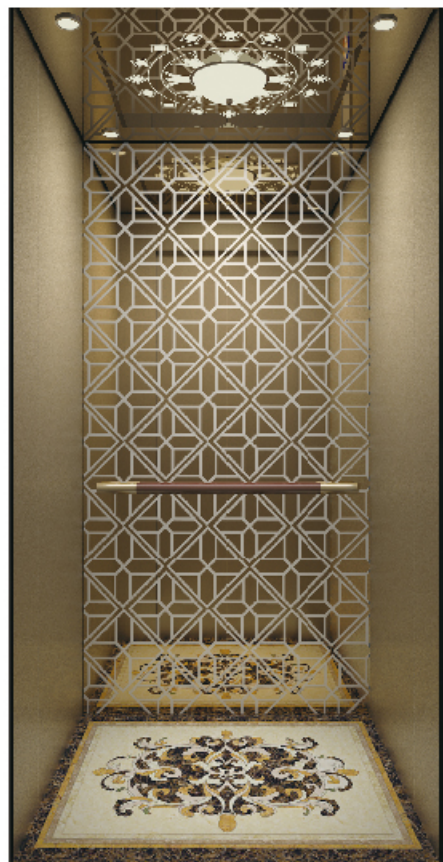
Handrail: None

Floor: PVC



轿厢装潢

The Car Decoration



LY-V09 选配/Optional

吊 顶: 香槟金镜面不锈钢蚀刻, 欧式吸顶灯, 筒灯
轿 壁: 香槟金发纹不锈钢, 香槟金镜面蚀刻
扶 手: 香槟金+实木组合扶手
地 板: PVC

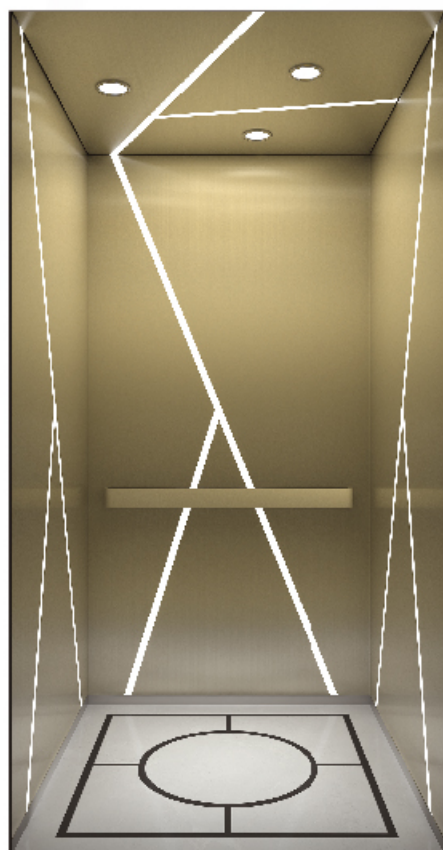
Ceiling: Champagne gold mirror stainless steel etching, European ceiling light, downlight
Car wall: Champagne gold hairline stainless Steel, champagne gold mirror etched
Handrail: Champagne gold + solid wood combination handrail
Floor: PVC



LY-V10 选配/Optional

吊顶: 香槟金发纹不锈钢, 筒灯, LED灯带
轿壁: 香槟金发纹不锈钢, LED灯带
扶手: 香槟金扁扶手
地板: PVC

Ceiling: Champagne gold hairline stainless Steel downlight, LED strip
Car wall: Champagne gold hairline stainless Steel downlight, LED strip
Handrail: Champagne gold flat handrail
Floor: PVC



LY-V11 选配/Optional

吊 顶: 镜面不锈钢框架, 中间亚克力喷绘顶板, 亚克力灯饰
轿 壁: 发纹不锈钢, 玫瑰金蚀刻
扶 手: 无
地 板: PVC

Ceiling: Mirror stainless steel frame, central acrylic air brushed top panel, acrylic light decoration
Car wall: Hairline stainless steel, rose gold mirror etching, stainless steel
Handrail: None
Floor: PVC



LY-V12 选配/Optional

吊 顶: 黑钛金镜面, 亚克力透光板, LED灯
轿 壁: 水镀黑发丝不锈钢, 水镀黑镜面不锈钢, 灯带
扶 手: 无
地 板: PVC

Ceiling: Mirror stainless steel, middle acrylic transparent plate, gold downlight
Car wall: mirror etching, titanium etching
Handrail: None
Floor: PVC



人机界面

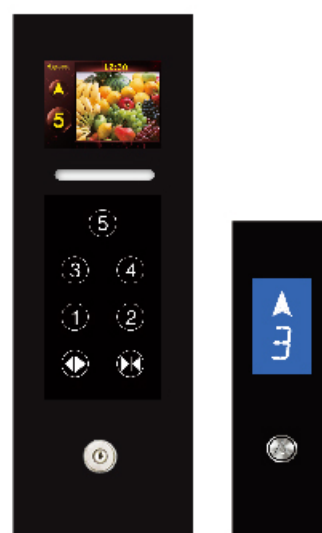
Human Machine Interface



LY-VC01 选配 Optional



LY-VC02 选配 Optional



LY-VC03 选配 Optional



LY-VC04 选配 Optional



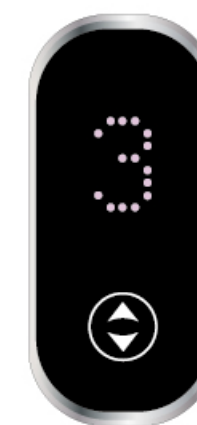
LY-VC05 选配 Optional



LY-VC06 选配 Optional



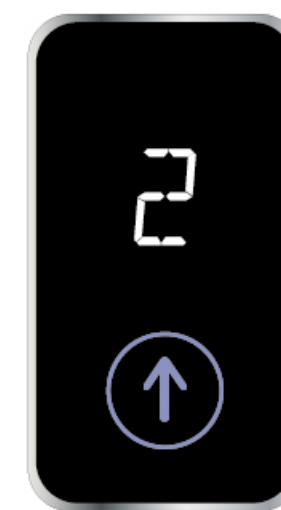
LY-WH01
选配 Optional



LY-WH02
选配 Optional



LY-WH03
选配 Optional



LY-WH04
选配 Optional

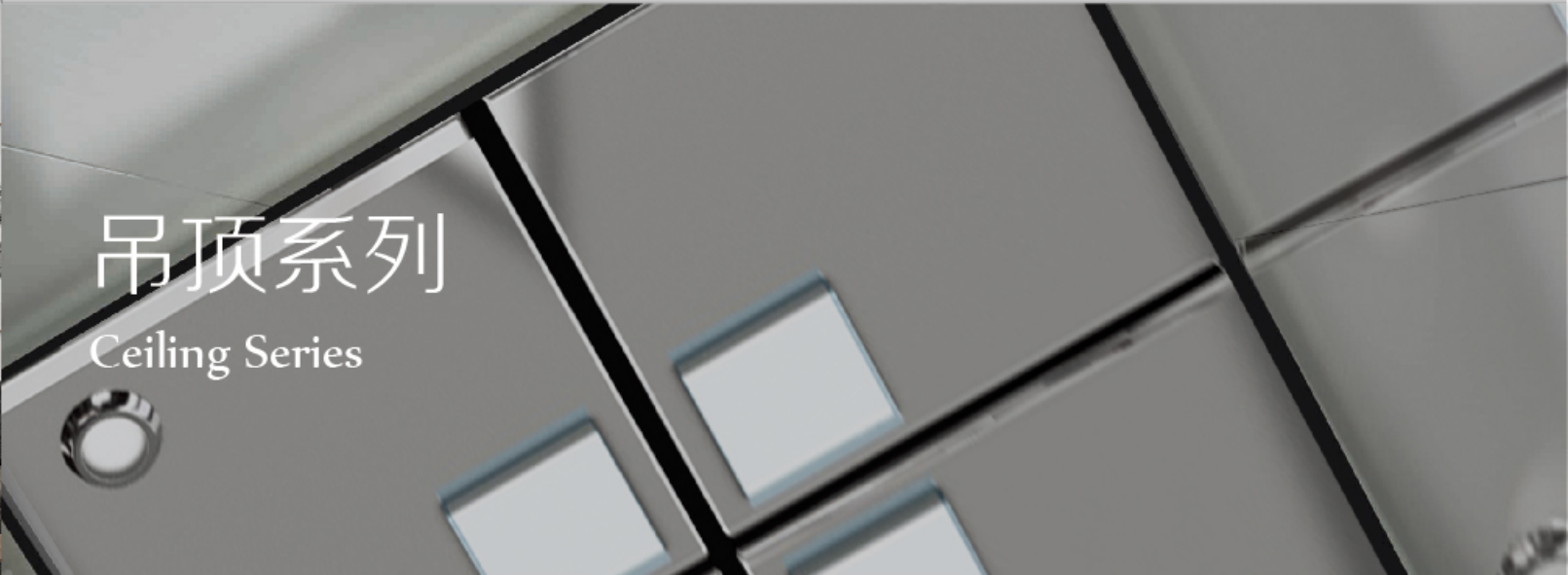
厅门系列

Landing Door Series



吊顶系列

Ceiling Series



LY-M001
标配 Standard



LY-M002
选配 Optional



LY-M003
选配 Optional



LY-M004
选配 Optional



LY-M005
选配 Optional



LY-M006
选配 Optional



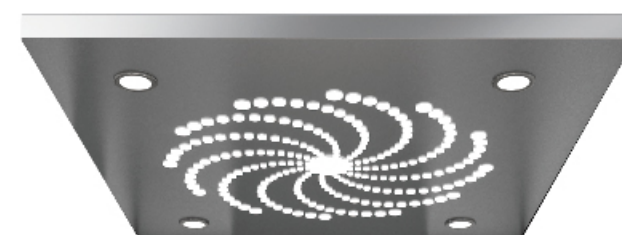
LY-M007
选配 Optional



LY-M008
选配 Optional



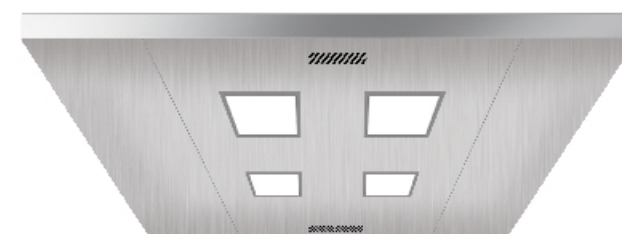
LY-D001
选配 Optional



LY-D002
选配 Optional



LY-D003
选配 Optional



LY-D004
选配 Optional



LY-D004
选配 Optional



LY-D005
选配 Optional

扶手系列

Handrail Series



LY-F001
选配 Optional



LY-F002
选配 Optional



LY-F003
选配 Optional



LY-F004
选配 Optional



LY-F005
选配 Optional



LY-L001
选配 Optional



LY-L002
选配 Optional



LY-L003
选配 Optional



LY-L004
选配 Optional



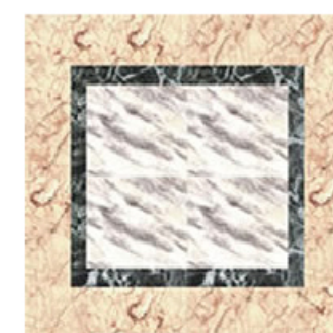
LY-L005
选配 Optional



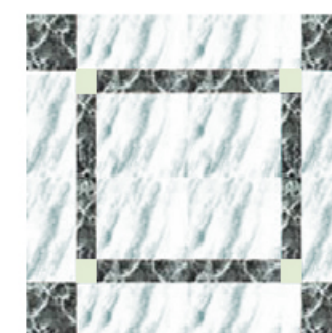
LY-L006
选配 Optional

地板系列

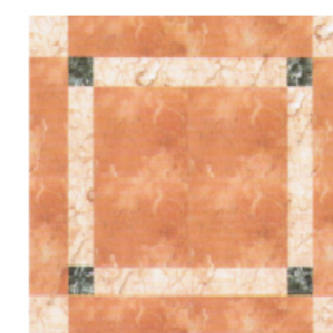
Floor Series



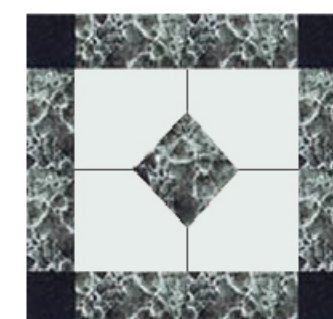
LY-B001
标配 PVC



LY-B002
选配 PVC



LY-B003
选配 PVC



LY-B004
选配 PVC



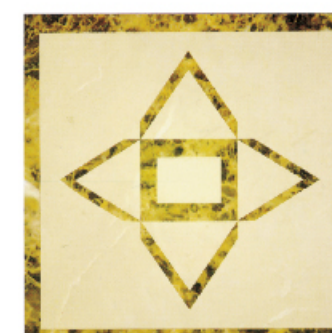
LY-B005
选配 PVC



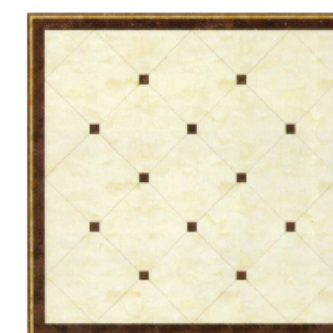
LY-B006
选配 PVC



LY-B007
选配 PVC



LY-B008
选配 PVC



LY-B009
选配 PVC

电梯功能表

Elevator function table

安全功能 Safety features

拯救及故障监测
Rescue and trouble monitor

主机过热保护

Host over-heat protection

安全回路分段检测

Safety loop sectional detection

总电源开关箱

Main power switch box

运行小时累计

Accumulated running hours

轿厢位置开关

Car position switch

轿厢紧急停止开关-轿顶

Car emergency-stop switch — car-top

轿厢紧急停止开关-底坑

Car emergency-stop switch — pit

安全钳安全触点

Safety tongs safety contactor

限速器安全触点

Speed limiter safety contactor

电梯主开关-控制柜内

Main elevator switch — inside control cabinet

禁止开门开关

No-opening switch

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B

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限速器张紧安全触点

Speed limiter tensioning safety contactor

轿门触点

Car door contactor

轿厢照明主开关盒主保险-控制柜内

Main fuse of car lighting main switch box — inside control cabinet

底坑撑杆触点

Pit supporting rod contactor

轿顶撑杆触点

Car-top supporting rod contactor

手动松闸功能

Manual brake-releasing function

紧急轿厢照明

Emergency car lighting

手动紧急救援

Manual emergency rescue

断电紧急平层ARD

Power-failure emergency leveling ARD

应急电话（一键拨号电话）

Emergency telephone (one-key dial telephone)

自动发送救援信息功能（GSM功能）

Automatic sending function of rescue information (GSM function)

家用设备断电应急供电功能（UPS功能）

Home equipment power-failure emergency power-supply function (UPS function)

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