SJEC
Elevators & Escalators
since 1992

ELEVATOR

SJEC CORPORATION

SJEC
Elevators & Escalators
since 1992

CE · TÜVRheinland® Precisely Right.

SJEC CORPORATION   e-mail:sjecinfo@sjec.com.cn
Add: 28 weixin Road, Ecological Hub, 215122 Suzhou, P.R. China.
Tel:86-512-62746790   Fax:86-512-62810633   www.sjec.com.cn

SJEC
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since 1992

A Committed, Reliable & Responsible Elevator & Escalator Manufacturer since 1992

CORPORATION DATA
Land area: 180,000m2
Manufacturing: 140,000m2
Test tower height: 140m
Manpower: 2,700

ANNUAL MANUFACTURING CAPACITY
20,000 units of elevators
10,000 units of escalators and moving walks

INTERNATIONAL CERTIFICATION
ISO9001, ISO14001, OHSAS1800 by DNV, SA8000 by TÜV
Products Certificates by TÜV

MARKETING
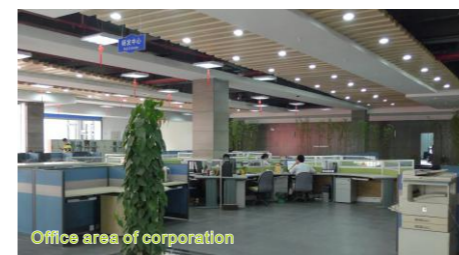Products sold over 100 countries around the world. Such as Asia, Europe, Oceania, Africa, America and etc.

SJEC
Elevators & Escalators
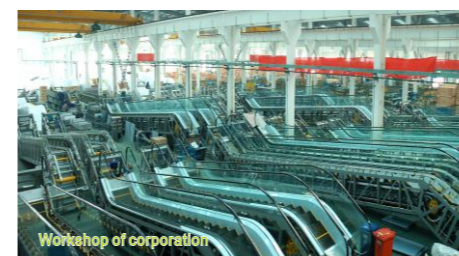**since 1992**

Pavilion of corporation

Corridor of corporation

Office area of corporation

Workshop of corporation

Why Choose SJEC?

⊙ **Reliable company**

SJEC is responsible company with good management system. We focus on strict design, quality control, and social accountability. We are active and efficient.

⊙ **Good products**

Our design & manufacture idea is strict in safety, humanized in using, excellent in performance.

⊙ **Good service**

We provide not only products but also service. SJEC have big team providing almost 7*24 hours / week commercial and technical service in English, Russia, Spanish, etc.

COMPANY profile

SJEC

SJEC Corporation (SJEC) was set up in 1992 in Suzhou Industrial Park, Suzhou, China, and Specialized in sales, design, manufacturing, installation, maintenance and service of elevator, escalator, passenger conveyor and car parking system.

SJEC is the national company acquired certificate of ISO9001, ISO14000, OHSAS18001 and SA8000 issued by DNV. All the products have accorded with the CE&EMC certificate issued by TUV in Germany. So far our products have been sold in more than 100 countries around the world.

SJEC has gained a reputation within both domestic and oversea markets for its leading technology and continual innovation ideas.

SJEC VISION:
To offer global service in consideration of sustainable growth

SJEC MISSION:
To manufacture quality, safety and environment-friendly elevator products with a motivated team in mind of business-ethnic and innovation to achieve the continuous success.

Management certifications

CE certificate

EN81-20/50

EN81-1+A3

⊙ **ISO9001**   ⊙ **ISO14001**   ⊙ **OHSAS18001**

Social Accountability system certification

Laboratory certification

EAC certificate

NETEC certificate

⊙ **SA8000**

⊙ **CNAS / ILAC**

e - *GRIS*

With more than 20 years efforts ,SJEC focus on updated technology application in high-efficiency, energy saving and green elevator and escalator.

SJEC has gain a reputation both domestic and oversea for its leading technology and continual innovation idea in the world.

1995-2004, Penang factory, Malaysia
Land area: 10000 m^2
Construction area: 5000 m^2

1995

2005 , new facility in SIP . China
Land area: 50000 m^2 / Construction area: 35000 m^2
Test tower height: 66.8 m

2005

2009, New facility. Landing area:57000m^2 ,
Construction area:54000m^2 , Test tower height:140m.

2009

1992

1992-2004, Tiger Hill facility, China
Land area: 43000 m^2
Construction area: 21000

2004

2004 , parts supply factory in SIP. China
Land area: 31000 m^2
Construction area: 23000 m^2

2008

2008, Milan factory, Italy
Land area: 5200 m^2 / Construction area: 4500 m^2

2014

2014 New facility,
Component research and manufacture center.
Landing area 29996 m^2/ construction area:31500m^2.

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Advanced Facility and Equipments

Robot station

welding robot

SALVAGNINI flexible product line

Laser cutting machine

Globe Sales & Service

SJEC started international business since 1990s. With more than 20 years' effort, we have sold our products and provided service in more than 100 countries in the world.

Asia			Europe				America	Africa	Oceania
Bengal	Jordan	Philippines	Armenia	Finland	Malta	Sweden	USA	Egypt	Australia
Cambodia	Japan	Qatar	Bulgaria	France	Norway	Switzerland	Argentina	Liberia	Fiji
Cyprus	Korea	Saudi Arabia	Bosnia	Germany	Poland	Slovakia	Brazil	Morocco	New Zealand
Laos	Kuwait	Syria	Czech	Greece	Portugal	Turkey	Colombia	Seychelles	. . .
India	Lebanon	Singapore	Croatia	Hungary	Russia	Ukraine	Mexico	South Africa	
Iran	Malaysia	Thailand	Danmark	Holand	Romania	. . .	Venezuela	Tunisia	
Israel	Myanmar	UAE	England	Ireland	Serbia		Peru	. . .	
Indonesia	Nepal	Uzbekistan	Estonia	Italy	Spain		Chile		
Iraq	Pakistan	Vietnam					. . .		
. . .									

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Project Achievements

Asia

CANDIA BANK PLC, Cambodia

Independence Hotel, Cambodia

Apartment Bale Hinggil, Indonesia

Gaisano Mall of Tagum, Philippines

La Grande Tamansari, Indonesia

Central Park Hotel, Philippines

SPICE, Malaysia

Goa Airport , India

Tungapuri Hotel , Myanmar

The Lagoon Tamansari, Indonesia

Maybank Damansara Utama, Malaysia

Aung Myin Toe Tat, Myanmar

Tamansari Hive project , Indonesia

MGW (Diamond Plaza),Myanmar

Nishat Hotel Gulberg, Pakistan

TRILLIUM MALL for TATA, India

Sela—nahariya zamir,Israel

Bogor Green Forest, Indonesia

America

ARTIC, USA

Supermarket EATALY, Brazil

Allianz Park-Arena Palestra, Brazil

Universidad Ceipa, Colombia

Clínica Coquimbo, Chile

Rio de Janeiro Airport, Brazil

Guadalupe Shopping, Brazil

Centro De Salud Carlos Showing Ferrari, Peru

Jardines de ConCón, Chile

Africa

Melrose Nissan Car Dealership, South Africa

Batigest Shopping Center, Tunisia

Hotel The Bay, Tunisia

Immobiliere Salem Mallouli, Tunisia

CERES, Tunisia

Oceania

Audi Center Sydney, Australia

Wynyard Walk, Australia

Oran Park, Australia

West Leagues Club, Australia

Mt Druitt Railway Station, Australia

Nadi Shopping Center, Fiji

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Mid-east

Arqtour 2 didveli residence, Georgia

Haji gallery, Bahrain

Nasser Al Arif Bldg,Dubai

Yasmeen Tower, UAE

JARIR BOOKSTORE,Qatar

Ezdan Oasis,Qatar
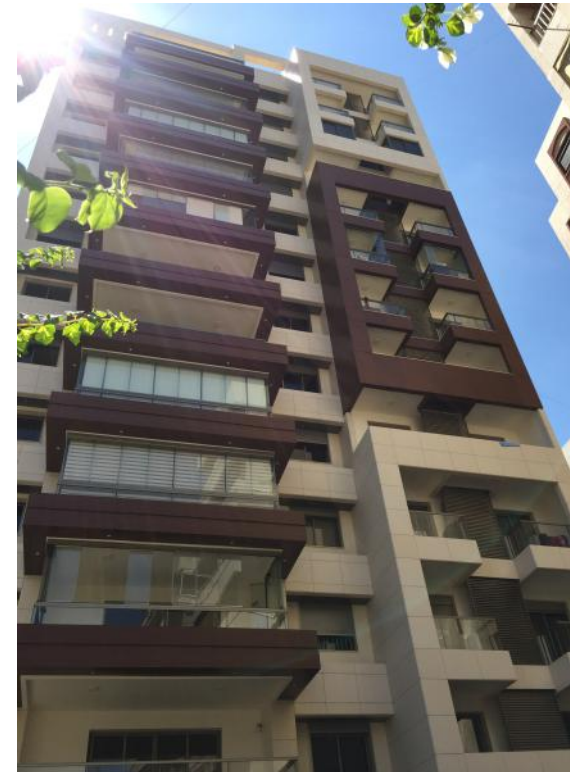
Mositbeh, Lebanon

Heravi center, Tehran, Iran

SALALAH Gallery, Oman

Melal Mashhad,Iran

AlHureia Mall,Jordan

Apart hotel and residential complex, Armenia
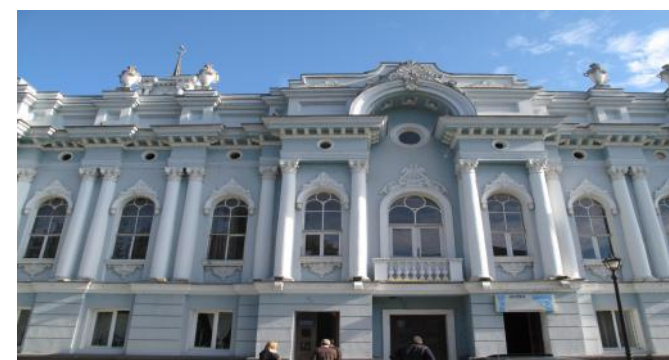
Real invest office building, Georgia

Carrefour Sahara mall, Jordan

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Europe

Pelican Hill Residence, GTS Turkey

Punkthusene Office Building, Danmark

Velikan cinema, Russia

Hamburg Mobelhaus Shopping Center, Germany

St.Petersburg, Russia

Obchodni Centrum Zlin
Shopping Center, Czech

Irkutsk commercial
building, Russia

Kristian IV,Sweden

Galchev Engineering, Bulgaria

China

China Science & Technology Hall, China

Guangzhou Metro 6 line, Guangdong, China

Roman Garden, Henan, China

HARMONY Plaza, Jiangsu, China

Donghulinyu Garden, Jiangsu, China

The Gate of Orient Suzhou, China

Ruihua Technology Building, Xiamen, China
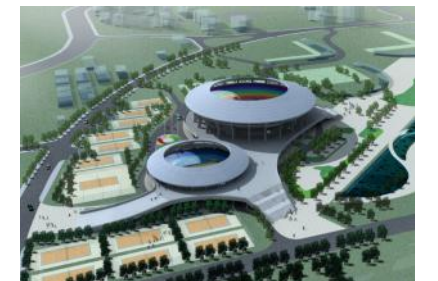
Tennis Stadium of the 2010 Asian Game

ICE-Sport Center, China

Longemont Asia Pacific City, Tiexi, China

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Public Traffic
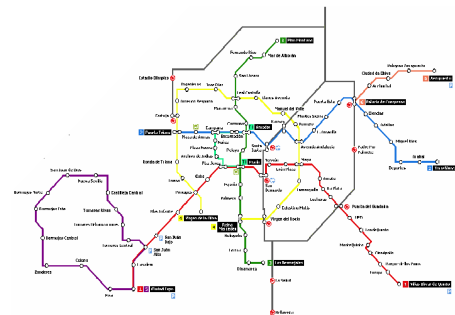

Delhi Metro, India
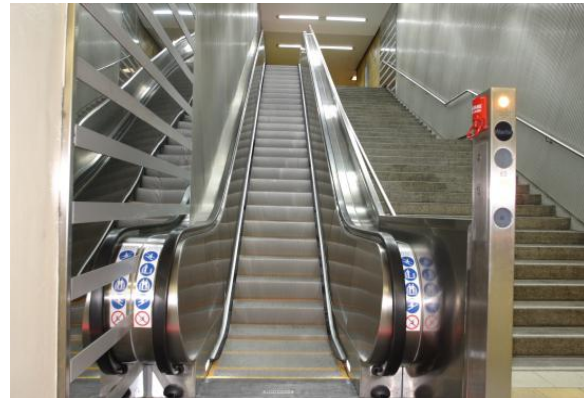
Kvb, Cologne, Metro, Germany

CHENNAI Metro, INDIA
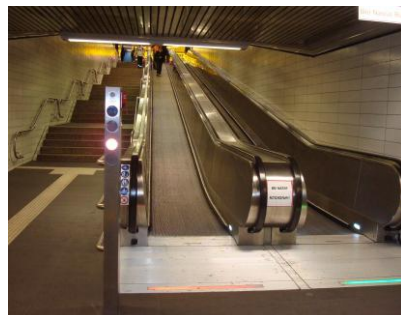
SWB, Bonn Metro, Germany
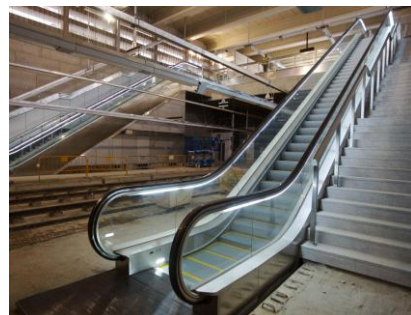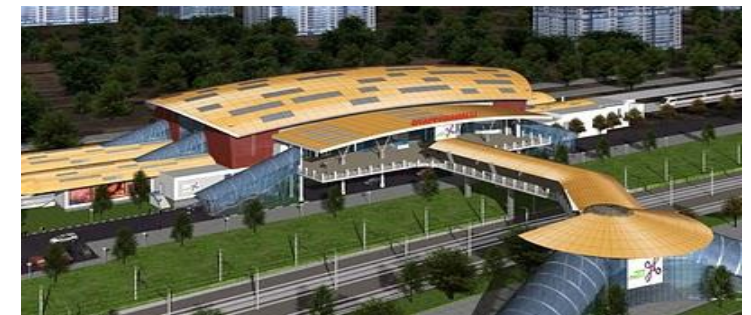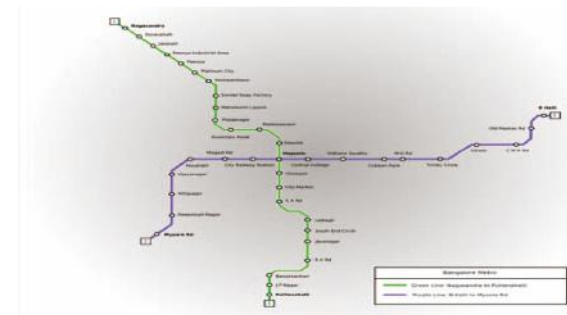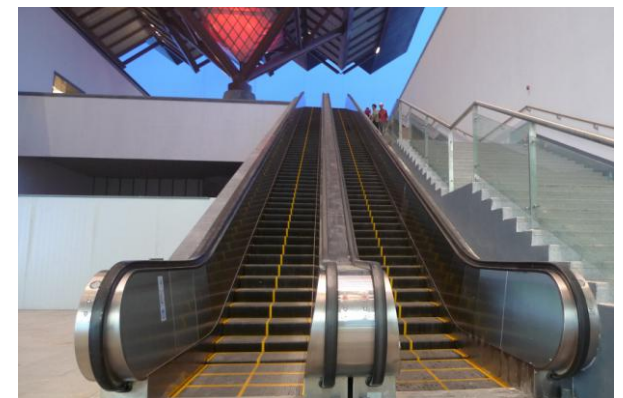
Sevilla Metro, Spain

Tehran Metro, Iran

Sofia Metro, Bulgaria

Suzhou Railway Station, Suzhou, China

BMRCL Metro, INDIA

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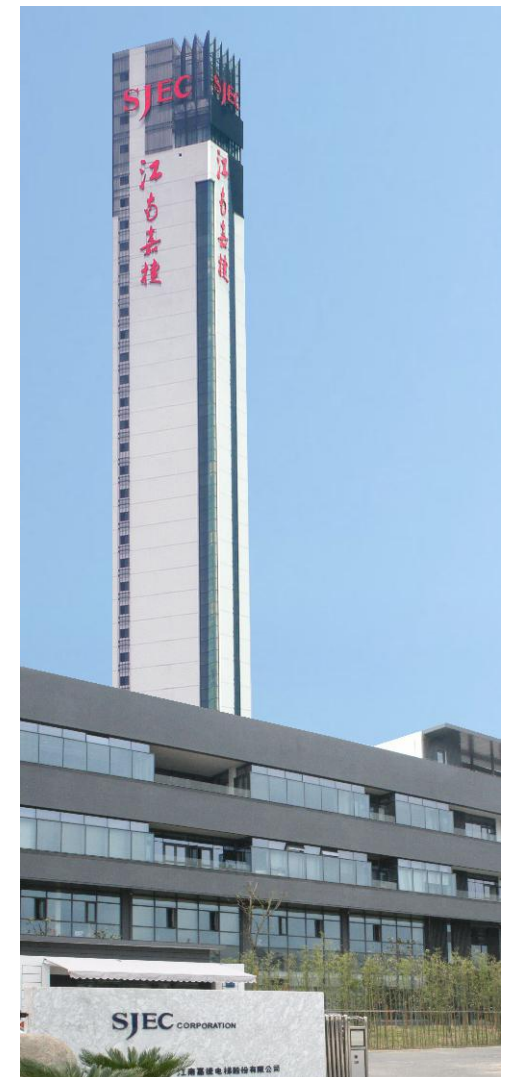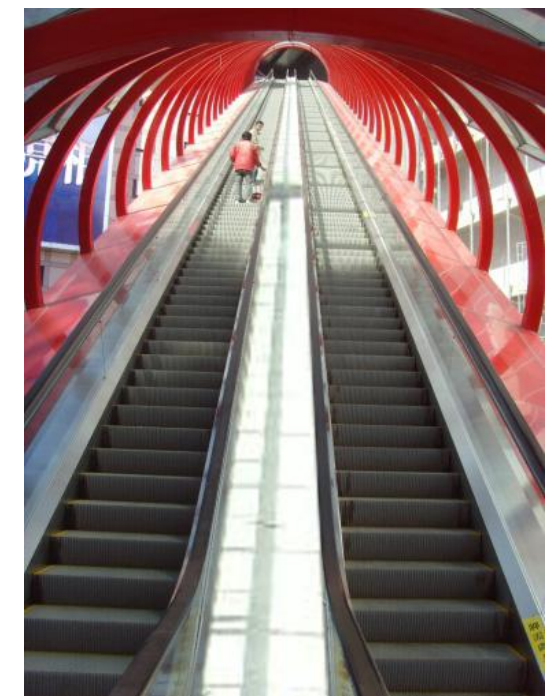## Technology Achievement

10m/s(2015)

8m/s(2012)

4m/s(2005)
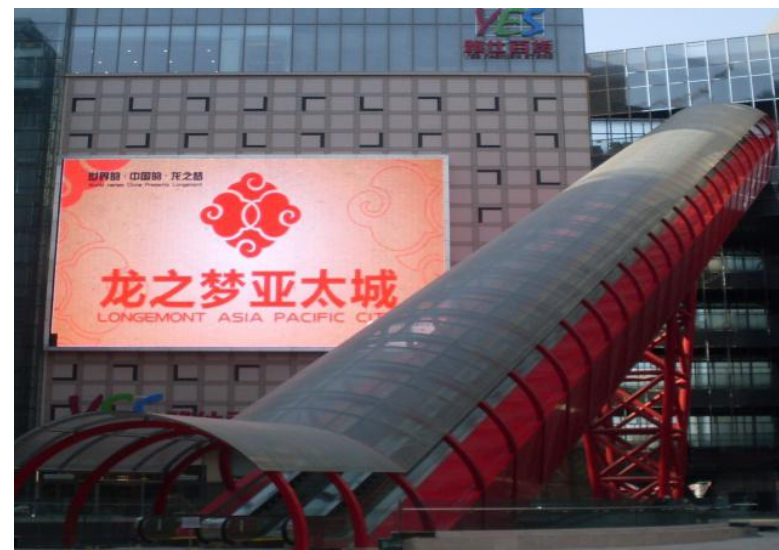
High Rise Escalator – 33.5m (2013)

Number of technical Employee

53%

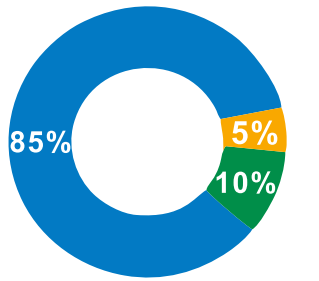47%
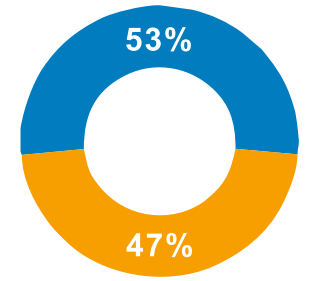
- ◼ R&D
- ◼ Others

Diathesis of technical Employee

55%

3%

42%
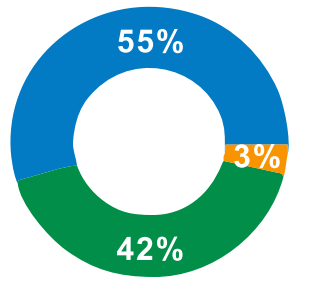
- ◼ Master
- ◼ Bachelor
- ◼ Others

Diathesis of technical Employee

85%

5%

10%

- ◼ High
- ◼ Mid
- ◼ Others

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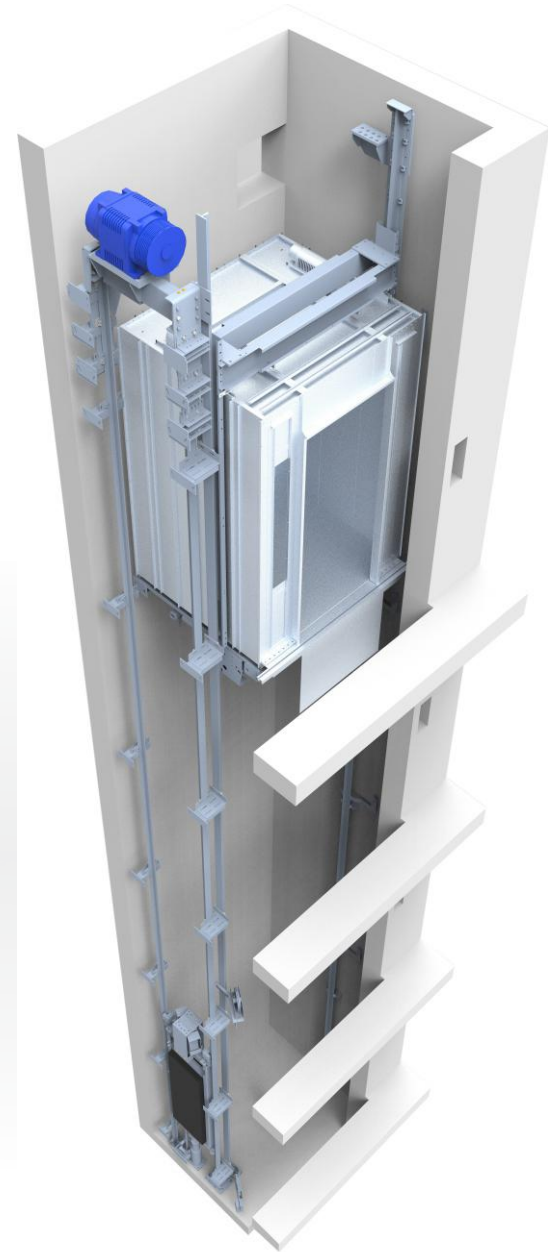
MRL elevator
(elevator without machine room)
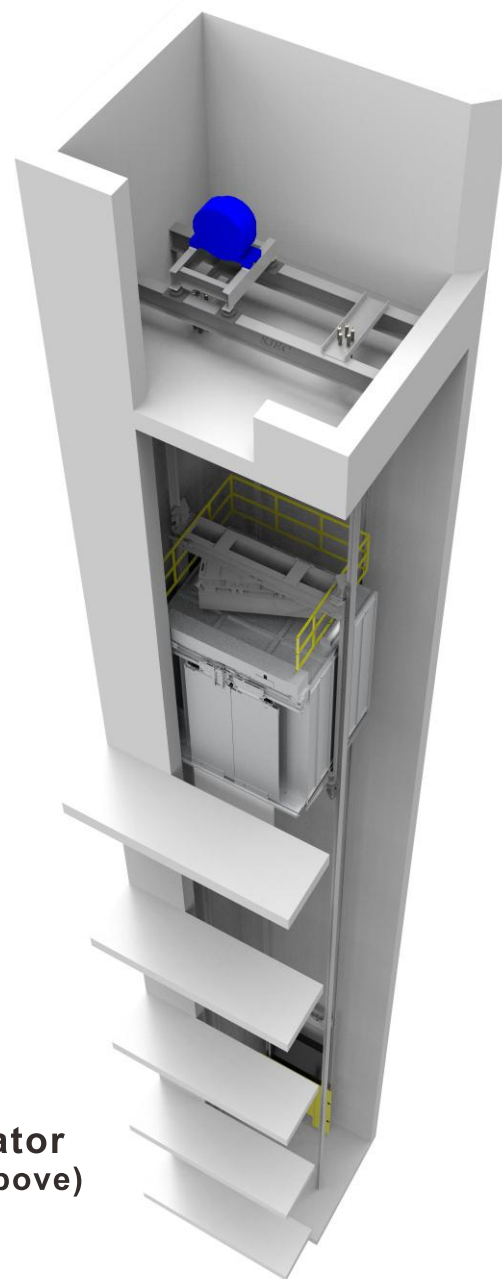
MRA elevator
(elevator with machine room above)

Advanced Control system

VVVF driving technology: Variable-Voltage-Variable-Frequency technology reduces power consumption and improves running precision and leveling accuracy.
All-IN-ONE design: highly integrated motor driving and logic control unit, not separated inverter and control board, improve efficiency and reliability.

Auto-wakeup: Automatically hibernation will reduce power consumption prominently during elevator standby. Auto-wakeup elevator saves 90% power consumption during standby.
Energy generation function available: energy generated during braking feeds back to the power supply could save by 20%~40% energy comparing with traditional braking resistor method.
EMC design: our control system fully complies with EN12015, EN12016 standards.
Smooth running curve: N-curve algorithm adopts distance control, it automatically calculates possible maximum speed according to different floor distance, makes landing directly without creeping.

Efficient Driving system

Our elevator uses permanent magnetic synchronized gearless traction machine. It has advantages of environmental protection, energy-saving, free-maintenance, safe reliability, high efficiency, low vibration, low noise and perfect ride comfort. It saves 30%~60% power consume comparing with traditional geared machine.

Safe in good quality

We use more than 100 protection design including mechanical and electrical to guarantee ultimate SAFETY. All main components we provided are from world-famous manufacturers.

Excellent performance

We pay much attention on passengers' comfort. It is considered much in design, such as vibration-absorption, smooth running / leveling and friend human-machine interface. Every type of our products shall be installed in our test tower. We use Physical Measurement Technologies Tools to analyze its performance. Before published into market, each of them shall be tested / developed for years until it's excellent and mature.

Car Style

Standard car

Wide Car

CEILING: SC-101
CAR WALL: Painted Steel Panel (RAL7035)
CAR DOOR: Painted Steel Panel (RAL7035)
FLOOR: PVC

Deep Car

CEILING: SC-103
CAR WALL: Painted Steel Panel (RAL7035)
CAR DOOR: Painted Steel Panel (RAL7035)
FLOOR: PVC

Optional car

Classical Series

JR-001 (Wide Car)

CEILING: SC-101
(painted steel + acrylic board, direction ventilation)
CAR WALL: Hairline Steel Panel
CAR DOOR: Hairline Steel Panel
FLOOR: PVC

JR-004 (Deep Car)

CEILING: SC-104
(painted steel + acrylic board, direction ventilation;
optional: emergency exit)
CAR WALL: Hairline Steel Panel
CAR DOOR: Hairline Steel Panel
FLOOR: PVC

Observation Lift

HC-101 Square

UPPER & LOWER COVER: Hairline ST/ST
CEILING: Hairline ST/ST, Acrylic board
CAR WALL: Hairline ST/ST, Laminated Glass
HANDRAIL: Hairline ST/ST
FLOOR: PVC (Optional: Marble)

HC-007 Semi-Circle

UPPER & LOWER COVER: Painted Steel, Lighting
CEILING: Painted Steel, Acrylic board
CAR WALL: Hairline ST/ST, Laminated Glass
HANDRAIL: Hairline ST/ST
FLOOR: PVC (Optional: Marble)

HC-012 Hexagon

UPPER & LOWER COVER: Painted Steel, Lighting
CEILING: Mirror ST/ST, Acrylic board
CAR WALL: Mirror + Etched ST/ST, Laminated Glass
HANDRAIL: Hairline ST/ST
FLOOR: PVC (Optional: Marble)

HC-010 Semi-Circle

UPPER & LOWER COVER: Painted Steel,
Quarter-Circular Acrylic Board, Lighting
CEILING: Painted Steel, Acrylic board
CAR WALL: Hairline ST/ST, Laminated Glass
HANDRAIL: Hairline ST/ST
FLOOR: PVC (Optional: Marble)

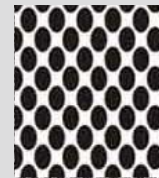*All images here are for reference only, and the actual products shall prevail.

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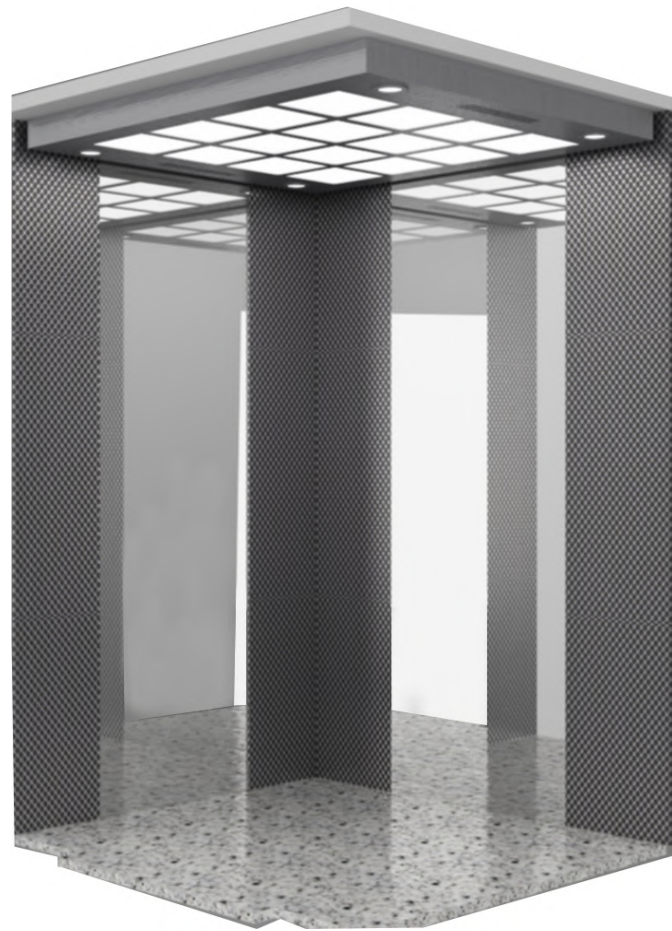
JR-101B

CEILING (height around 100 mm)
SC-112,Hairline ST.ST + Acrylic board +
LED lighting & lamps

CAR WALL
Mirror ST.ST. (middle part) + Etched mirror
ST.ST. HQ-21

FRONT RETURN
Mirror ST.ST.

CAR DOOR
Mirror ST.

FLOOR
Marble DS-005 (Optional)

JR-102B

CEILING (height around 100 mm)
SC-101, gray painted steel frame + Acrylic
board + LED lighting

CAR WALL
Etched mirror ST.ST. ES-003 (middle part) +
· Hairline ST.ST.

FRONT RETURN
Hairline ST.ST.

CAR DOOR
Hairline ST.ST. (Optional)

FLOOR
Marble DS-001 (Optional)

JR-103

CEILING   (height around 150 mm)
DA630, Mirror ST.ST. + Acrylic board + LED
lighting & lamps

CAR WALL
Etched mirror ST.ST. GY-055 (middle part) +
Mirror ST.ST.

FRONT RETURN
Mirror ST.ST.

CAR DOOR
Mirror ST.ST. (Optional)

FLOOR
Marble DS-006 (Optional)
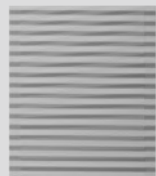
JR-104

CEILING (height around 100 mm)
SC-104, Golden-Ti hairline ST.ST. + Acrylic
board + LED lighting & lamps

CAR WALL
Golden-Ti Etched mirror ST.ST. ES-002
(middle part) + Golden-Ti hairline ST.ST.

FRONT RETURN
Golden-Ti hairline ST.ST.

CAR DOOR
Golden-Ti hairline ST.ST. (Optional)

FLOOR
Marble FL-103 (Optional)

JC-002

CEILING (height around 150 mm)
SC-202 Dark-Ti Hairline ST.ST. + Acrylic board

FRONT RETURN
Hairline ST.ST.

CAR WALL
Side walls Mirror ST.ST. + Dark-Ti
Hairline ST.ST.
Rear wall Etched Mirror ST.ST. +
Dark-Ti Hairline ST.ST.

HANDRAIL
Round mirror ST.ST, at rear wall

CAR DOOR
Hairline ST.ST. (Optional)

FLOOR
Marble DS-007 (Optional)

* NOTE: when CW or CD >1600mm, the acrylic
board in ceiling will be divided into 2 pieces
with a middle frame.

JC-003B

CEILING (height around 150 mm)
SC-203 Mirror ST.ST. + LED lamps

FRONT RETURN
Hairline ST.ST.

CAR WALL
Side walls Hairline ST.ST;
Rear wall Etched Mirror ST.ST. + Mirror ST.ST.

SKIRTING
Hairline ST.ST.

HANDRAIL
38mm Round mirror ST.ST, at side walls

CAR DOOR
Hairline ST.ST. (Optional)

FLOOR
Marble DS-008 (Optional)

JC-102

CEILING (height around 150 mm excluding lighting)
SC-502 Mirror ST.ST. + LED lamps

FRONT RETURN
Bronze-Ti Mirror ST.ST.

CAR WALL
Side walls Bronze-Ti Mirror ST.ST
Rear wall 3D Laminated sheet FM102.(Optional)

SKIRTING
Hairline ST.ST.

HANDRAIL
ST.ST, at side walls

CAR DOOR
Bronze-Ti Mirror ST.ST. (Optional)

FLOOR
Marble DS-009 (Optional)

Various laminated wall available

Wooden pattern		3D surface	
FM088	FM089	FM090	FM091
FM101	FM102	FM103	FM104

JC-103

CEILING (height around 150 mm)
SC-503 Mirror ST.ST. + LED
lamps + Acrylic board

FRONT RETURN
Dark-Ti Mirror ST.ST.

CAR WALL
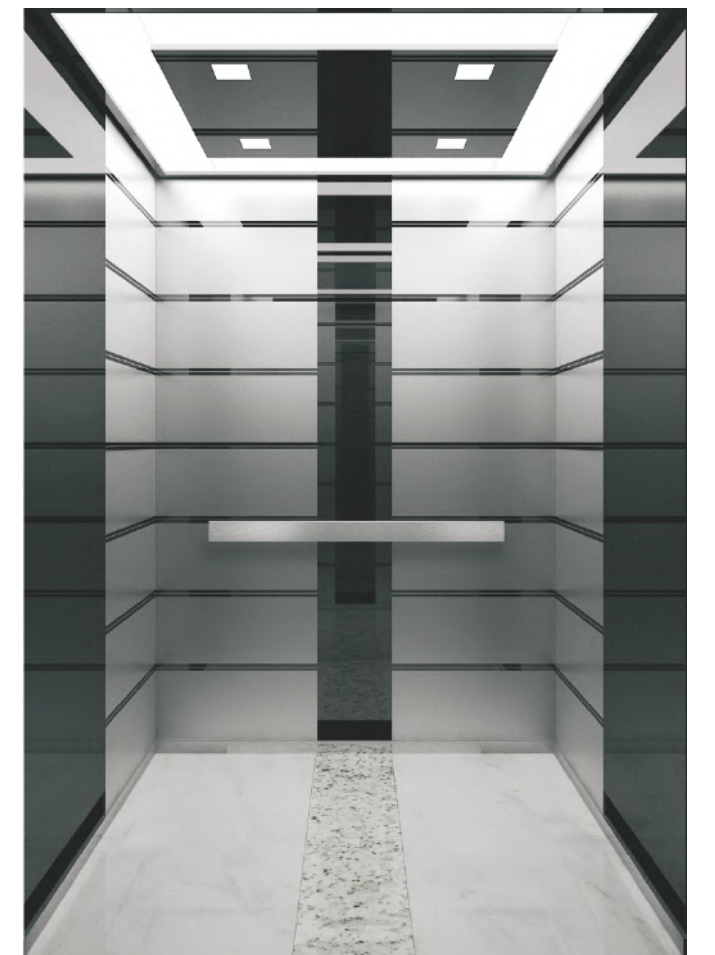Dark-Ti Mirror ST.ST. + Etched
Mirror ST.ST.

SKIRTING
Hairline ST.ST.

HANDRAIL
Hairline ST.ST, at rear wall

CAR DOOR
Dark-Ti Mirror ST.ST. (Optional)

FLOOR
Marble DS-010 (Optional)

JH-001

CEILING (height around 150 mm)
SC-301   Mirror ST.ST. + Etched mirror ST.ST. + LED

FRONT RETURN
Mirror ST.ST.

CAR WALL
Wooden surface ST.ST. + Mirror ST.ST. + ST.ST. strip

SKIRTING
Hairline ST.ST.

CAR DOOR
Mirror ST.ST. (Optional)

FLOOR
Marble DS-001 (Optional)

JH-004B

CEILING
(height around 150 mm excluding center lighting)
SC-304 Golden-Ti Etched mirror ST.ST. + Suspended lighting + Golden-Ti Mirror ST.ST. + LED lamps

FRONT RETURN
Golden-Ti Mirror ST.ST.

CAR WALL
Side walls Golden-Ti Etched mirror ST.ST. (middle part) + Marble with Silver ST.ST. strip
Rear wall Framed glass mirror
(middle part) + Marble with Silver ST.ST. strip

SKIRTING
Golden-Ti Mirror ST.ST.

HANDRAIL
Round, Wooden surface + Golden-Ti Hairline ST.ST, at side walls

CAR DOOR
Golden-Ti Mirror ST.ST. (Optional)

FLOOR
Marble DS-003 (Optional)

JH-003

CEILING (height around 150 mm)
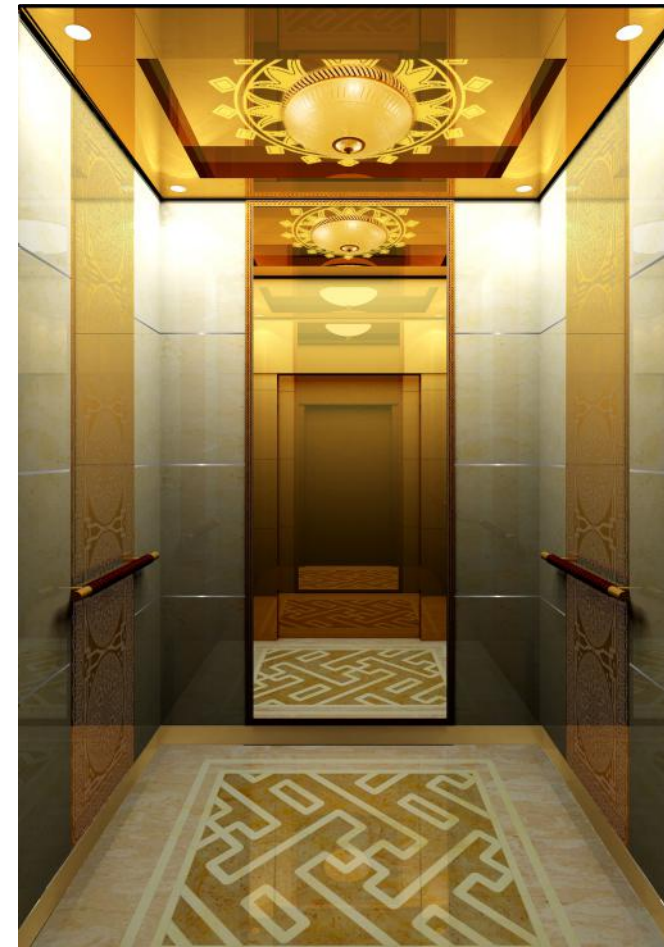SC-303   Mirror ST.ST. + Acrylic board + LED lamps

FRONT RETURN
Golden-Ti Hairline ST.ST.

CAR WALL
Golden-Ti Etched mirror ST.ST. (middle part) + Golden-Ti Hairline ST.ST.

HANDRAIL
Round Golden-Ti Hairline ST.ST., at 3 sides

CAR DOOR
Golden-Ti Hairline ST.ST. (Optional)

FLOOR
Marble DS-002 (Optional)
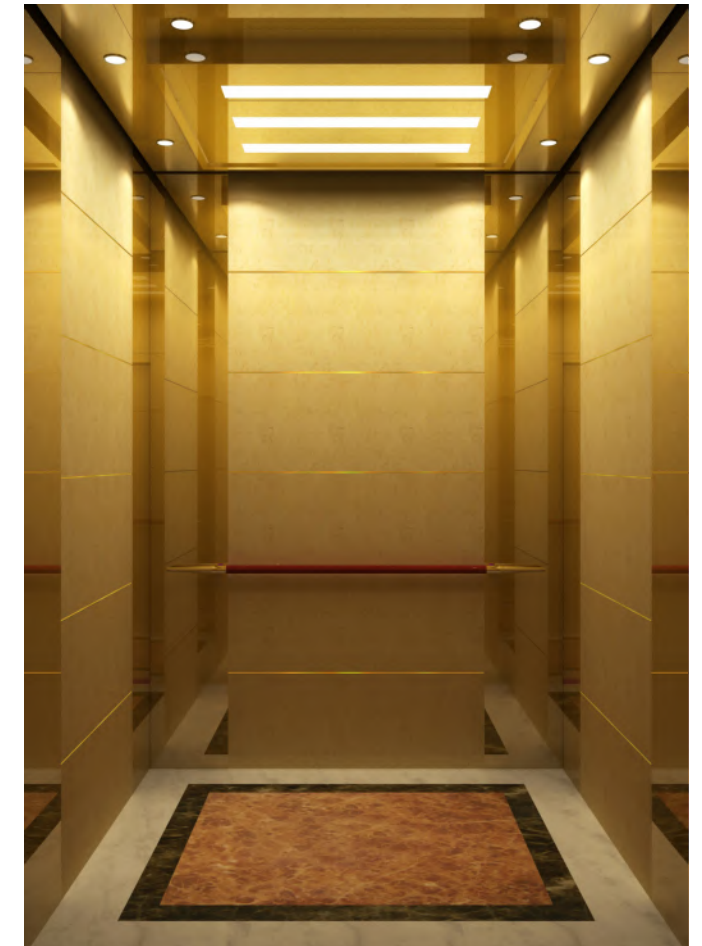
JH-101B

CEILING: (height around 150 mm)
SC-504 Sand blasted ST.ST. + Mirror ST.ST. + LED lamps

FRONT RETURN
Golden-Ti Mirror ST.ST.

CAR WALL
Marble with brass color strip (middle part) + Golden-Ti Mirror ST.ST.

HANDRAIL
Round, Wooden surface + Golden-Ti Mirror ST.ST at rear sides

CAR DOOR
Golden-Ti Mirror ST.ST. (Optional)

FLOOR
Marble DS-011 (Optional)

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VC-003

CEILING (height around 100 mm)
Golden-Ti Etched mirror ST.ST. + Acrylic
board + LED lamps

CAR WALL
Golden-Ti Etched mirror ST.ST. + Sliver
hairline ST.ST.

FRONT RETURN
Sliver hairline ST.ST.

HANDRAIL
Round Sliver hairline ST.ST., at rear side

CAR DOOR
Silver Hairline ST.ST. (Optional)

FLOOR
PVC

VC-005

CEILING (height around 60 mm)
Mirror ST.ST. + Acrylic board with backlight

FRONT RETURN
Hairline ST.ST.

CAR WALL
Side walls mirror ST.ST.+wood-like surface with
ST.ST. strips.
Rear wall mirror ST.ST.
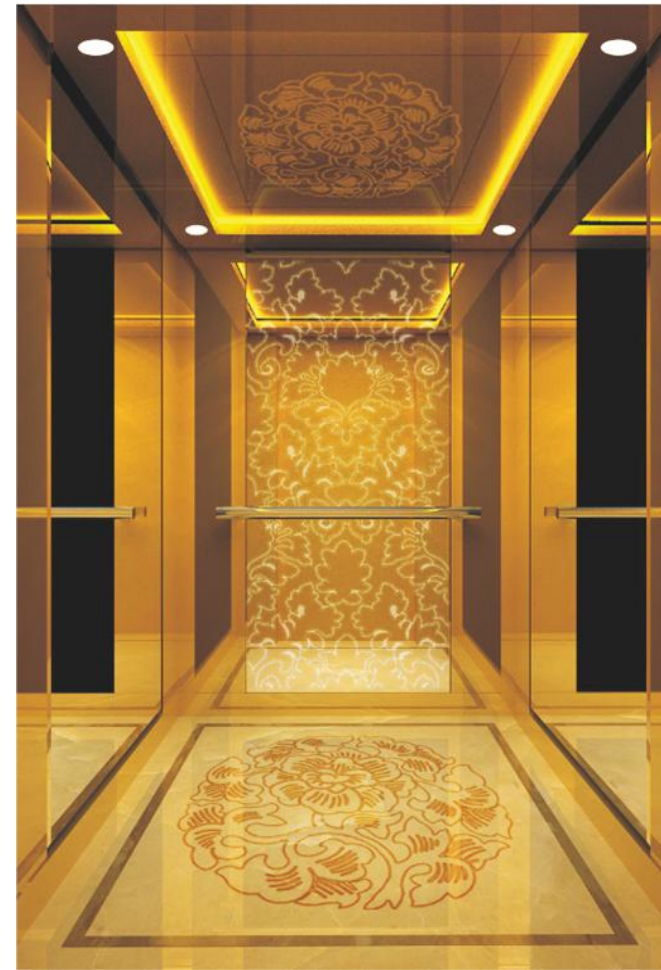
HANDRAIL
Round wooden surface + hairline ST.ST
handrail at rear wall

CAR DOOR
Hairline ST.ST. (Optional)

FLOOR
Marble (Optional)

VC-007

CEILING (height around 150 mm)
Golden-Ti mirror ST.ST + Golden- Ti etched
ST.ST + LED lamps & light bar

FRONT RETURN
Golden-Ti mirror ST.ST

CAR WALL
Side Walls golden-Ti mirror ST.ST. + glass
mirror
Rear Wall golden-Ti mirror ST.ST. + golden-
Ti etched ST.ST.

HANDRAIL
Round golden-Ti ST.ST handrail at rear wall

CAR DOOR
Golden-Ti mirror ST.ST. (Optional)

FLOOR
Marble (Optional)

VC-008A

CEILING
(height around 150 mm excluding center lighting)
Champagne-Ti sandblasted ST.ST. frame +
LED lamps + Champagne-Ti mirror ST.ST. +
Suspended lighting

FRONT RETURN
Champagne-Ti sandblasted ST.ST.

CAR WALL
Side wall Champagne-Ti sandblasted ST.ST. +
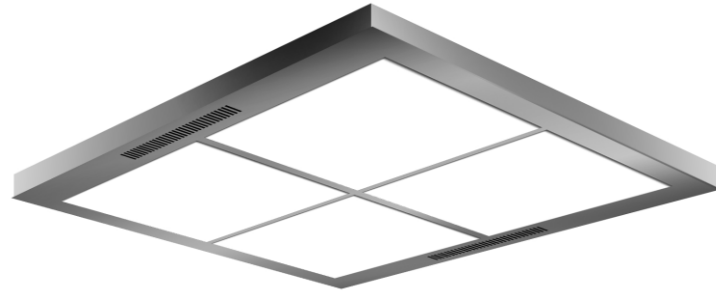Silver ST.ST. strip
Rear wall Champagne-Ti mirror ST.ST.

HANDRAIL
Champagne-Ti sandblasted ST.ST. + wooden
surface at rear side

CAR DOOR
Champagne-Ti sandblasted ST.ST. (Optional)

FLOOR
Marble (Optional)

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Ceiling

SC-101(Standard for wide car)
Height 100mm;
Silver gray painted steel + Acrylic panel;
Direct ventilation

SC-103(Standard for deep car)
Height 100mm;
Silver gray painted steel + Acrylic panel;
Direct ventilation

SC-104(Optional)
Height 100mm;
Hairline ST/ST (Option: Mirror ST/ST) + Acrylic panel
+ LED lamps;
Direct ventilation; Emergency exit Available
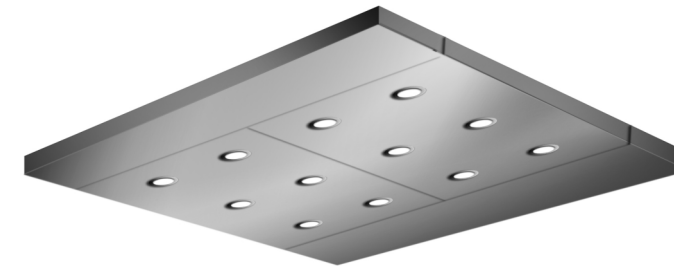
SC-203(Optional)
Height 150mm;
Hairline ST/ST (Option: Mirror ST/ST) + LED lamps;
Hidden ventilation

SC-111 (Optional)
Height 100mm;
Hairline ST/ST (Option: Mirror ST/ST) + Acrylic panel
+ LED lamps;
Direct ventilation; Emergency exit Available

SC-112(Optional)
Height 100mm;
Hairline ST/ST (Option: Mirror ST/ST) + Acrylic panel
+ LED lamps;
Direct ventilation; Emergency exit Available

SC-113(Optional)
Height 100mm;
Hairline ST/ST (Option: Mirror ST/ST) + Acrylic panel
+ LED lamps;
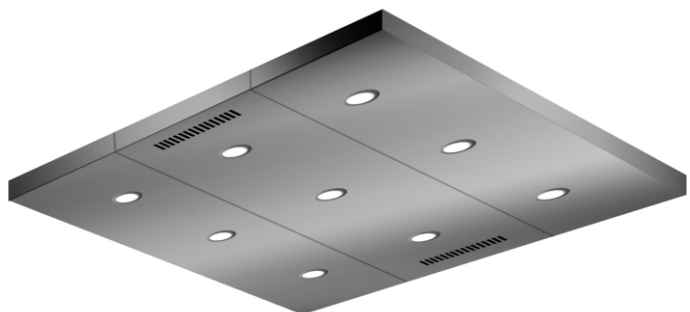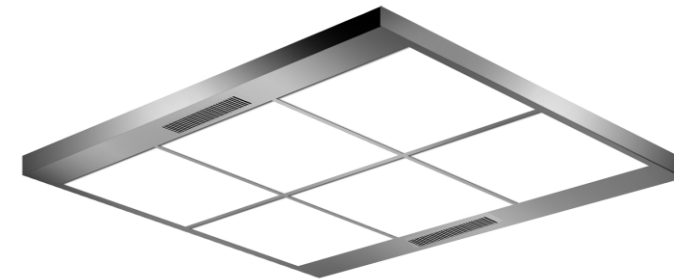Direct ventilation; Emergency exit Available

SC-114(Optional)
Height 100mm;
Hairline ST/ST (Option: Mirror ST/ST) + Acrylic panel
+ LED lamps;
Direct ventilation; Emergency exit Available

SC-108(Optional)
Mini-height 70mm;
Hairline ST/ST (Option: Mirror ST/ST) + LED lamps;
Direct ventilation

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Car Ceiling/Handrail/Indication system

Car Wall & Door Materials

HC-001

HC-002

HC-003

HC-102

HC-104

**Standard
(Painted Steel)**

RAL7035	RAL7040	RAL9006	RAL9004
RAL9010	RAL1015	RAL5012	RAL5020

**Optional
(Stainless Steel)**

HS-001 Hairline ST/ST	HS-002 Mirror ST/ST	ES-002 Etched ST/ST
ES-003 Etched ST/ST	ES-004 Etched ST/ST	ES-005 Etched ST/ST
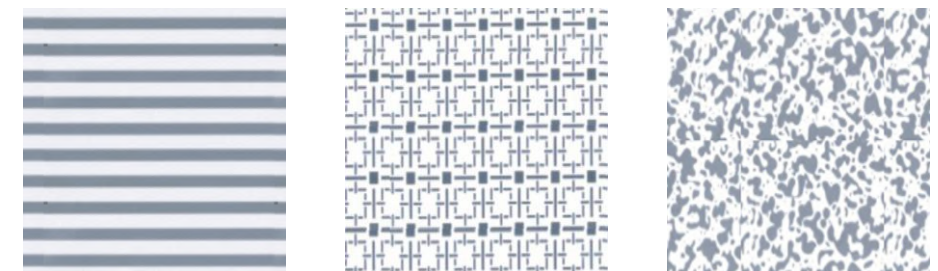
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Floor

PVC tile

Carpet-like style
(PVC)
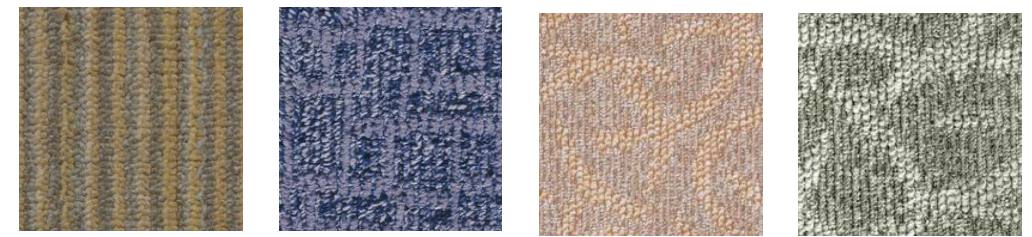
251-8

261-10

711-2

711-5
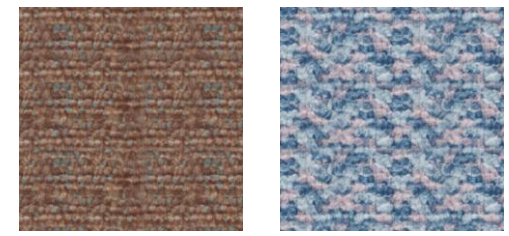
B-308

B-358

Marble–like style
(PVC)
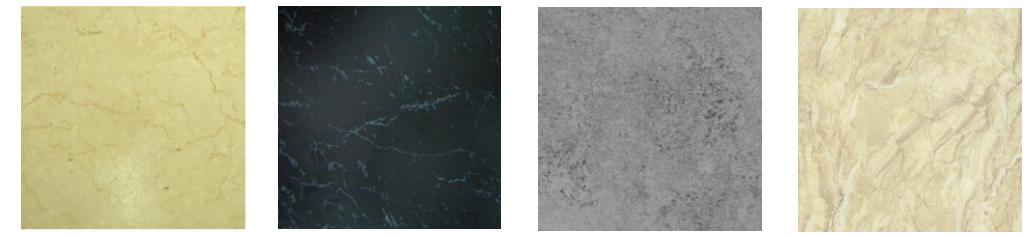
S7704

S7708

701A

CP-3
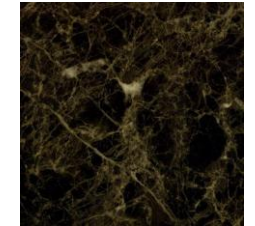
TM-7461A

Embossed Stone
Style (PVC)
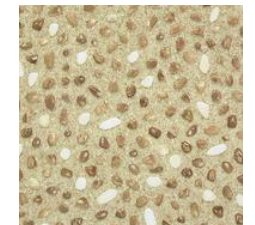
ES-2

Rubber Floor
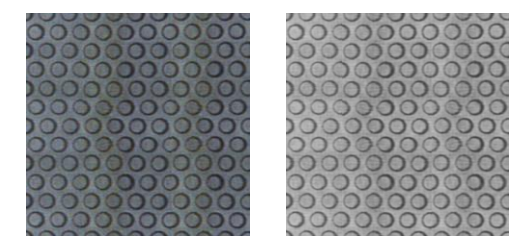
Black

Gray

Checked Metal
Floor

Checked Aluminum

Checked ST.
(painted)

Marble Floor
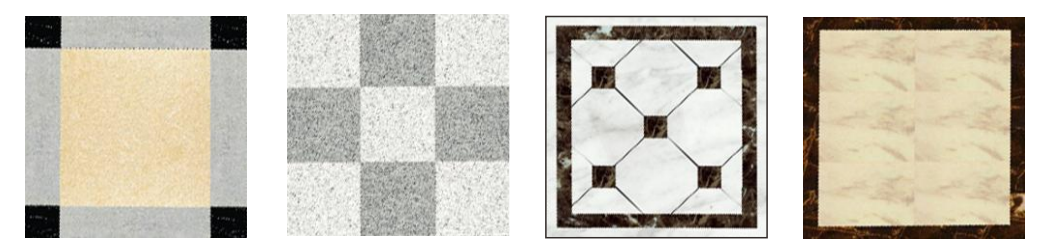
D-001

D-002

D-003

D-004

DS-004

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Classical Series ▼
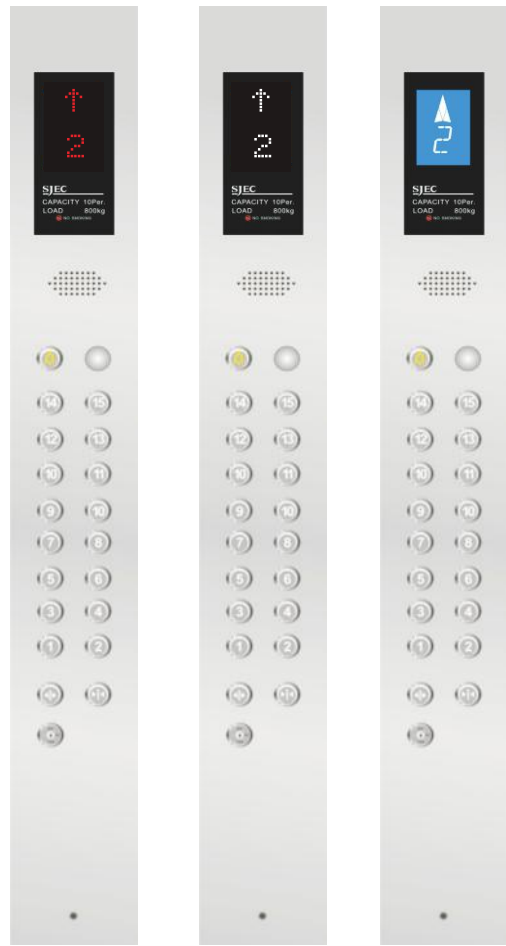
COB 310 (Standard)
Material: Plastic window + Stainless Steel Faceplate
Feature: Flat type; Customizable
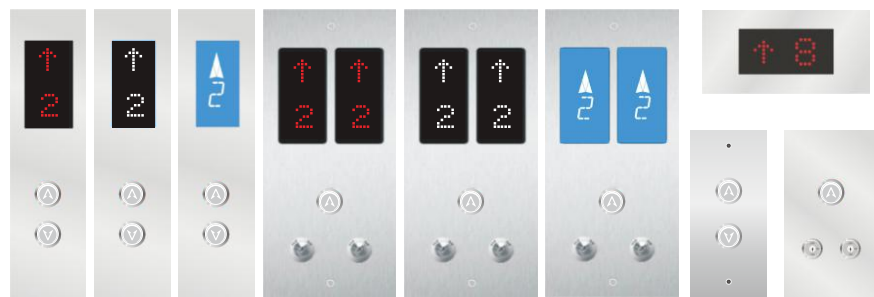
FOB 310
Material: Stainless Steel Faceplate
Feature: Flat type; Customizable

COB 310E
Material: Plastic window + Stainless Steel Faceplate
Feature: Semi-Extruded type; EN81-70 compliant.

COB 330
Material: Plastic + Stainless Steel Faceplate
Feature: Semi-Extruded type

FOB 330
Material: Stainless Steel Faceplate
Feature: Extruded type (wall mounting)

*All images here are for reference only, and the actual products shall prevail.

Note: "Stainless Steel" mentioned above is Natural color Hairline Stainless Steel as standard. Standard Display is dot-matrix LED; standard button is PB330. Please contact us if you have customized requirements.

*All images here are for reference only, and the actual products shall prevail.

Note: "Stainless Steel" mentioned above is Natural color Hairline Stainless Steel as standard. Standard Display is dot-matrix LED; standard button is PB330. Please contact us if you have customized requirements.

Elegant Series ▼

COB 650
Material: Plastic + Stainless Steel Faceplate
Feature: Flat type

FOB 650 / FOB 900
Material: Plastic + Stainless Steel Faceplate
Feature: Flat type

COB 670
Material: Plastic window + Stainless Steel Faceplate
Feature: Flat type

FOB 670
Material: Plastic window +
Stainless Steel Faceplate
Feature: Flat type

COB 660
Material: Glass Faceplate
Feature: Touch buttons
More color of glass faceplate available:
Black, white, light green and red.

FOB 660
Material: Glass Faceplate
Feature: Flat type

*All images here are for reference only, and the actual products shall prevail.

Note: "Stainless Steel" mentioned above is Natural color Hairline Stainless Steel as standard. Standard Display is dot-matrix LED; standard button is PB330. Please contact us if you have customized requirements.

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Note: "Stainless Steel" mentioned above is Natural color Hairline Stainless Steel as standard. Standard Display is dot-matrix LED; standard button is PB330. Please contact us if you have customized requirements.

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Extra-Height Series ▼

COB 900
Material: Plastic + Stainless Steel Faceplate
Feature: Flat type; Standard height around 1.8m
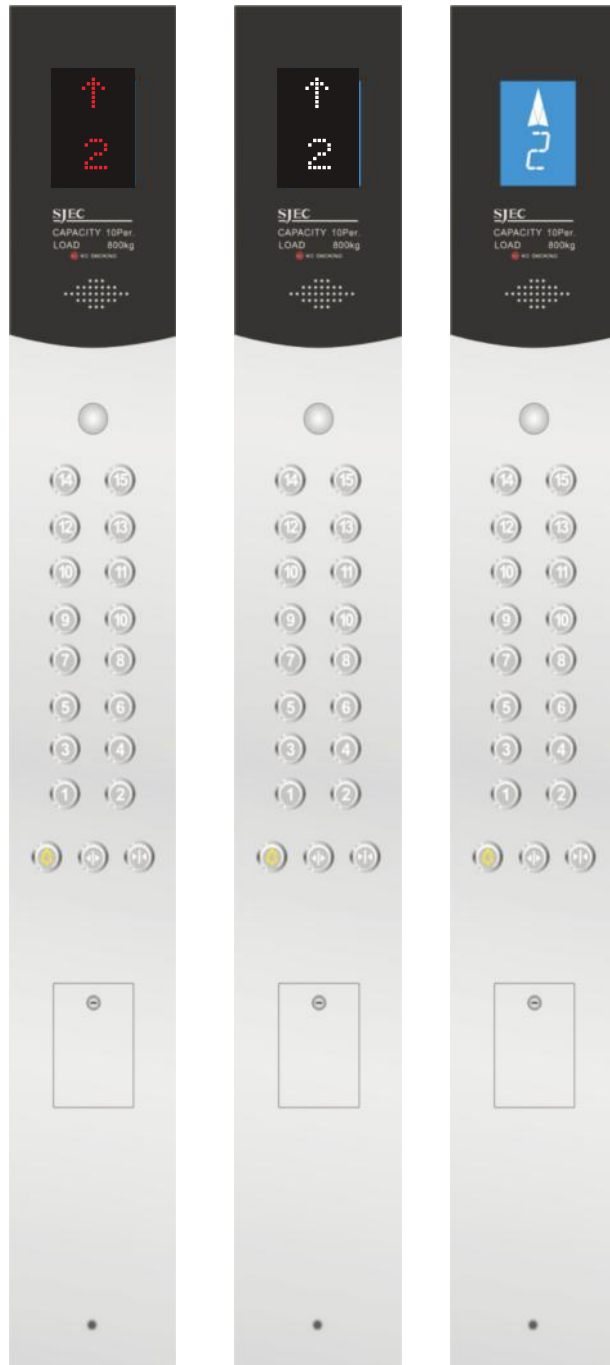
FOB 700
Material: Stainless Steel Faceplate
Feature: Extruded type (Wall mounting)

FOB 650 / FOB 900
Material: Plastic +
        Stainless Steel Faceplate
Feature: Flat type

Full-Height Series ▼

COB 050
Material: Stainless Steel Faceplate
Feature: Full height type; Customizable (faceplate material, display, buttons)

HOP
Material: Stainless Steel Faceplate
Feature: Flat type OR Extruded type (wall mounting)

*All images here are for reference only, and the actual products shall prevail.
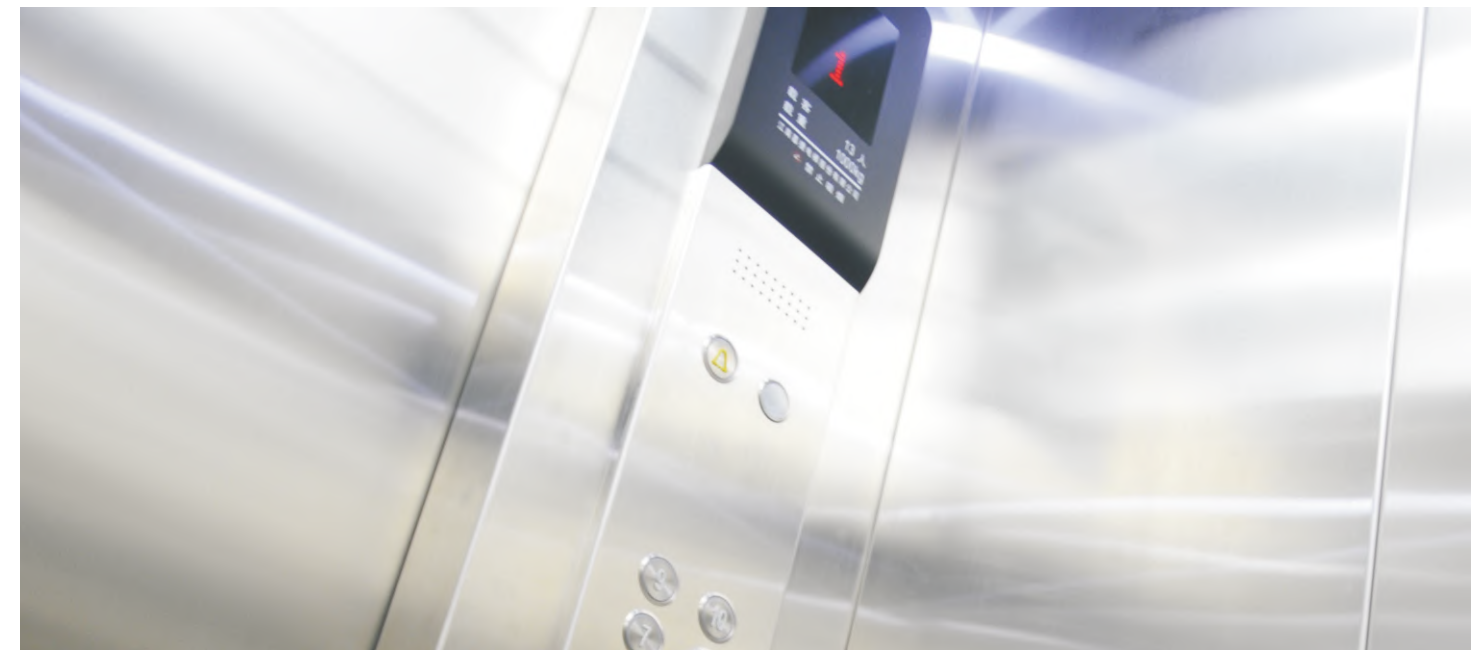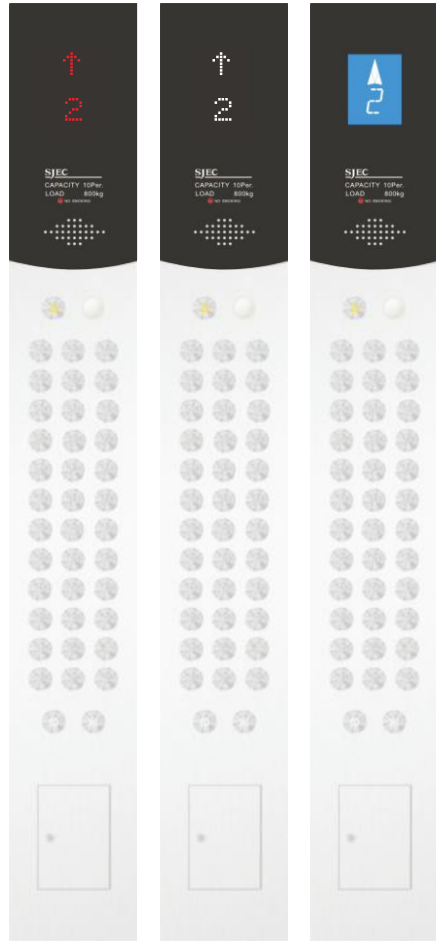
Note: "Stainless Steel" mentioned above is Natural color Hairline Stainless Steel as standard. Standard Display is dot-matrix LED; standard button is PB330. Please contact us if you have customized requirements.

*All images here are for reference only, and the actual products shall prevail.
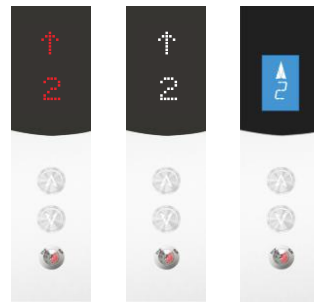
Note: "Stainless Steel" mentioned above is Natural color Hairline Stainless Steel as standard. Standard Display is dot-matrix LED; standard button is PB330. Please contact us if you have customized requirements.

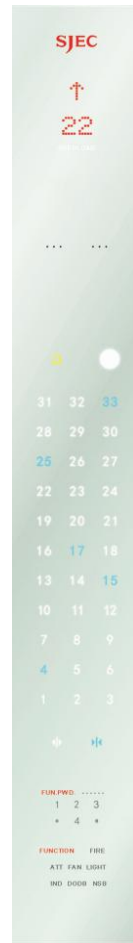# Auxiliary COP for disability ▼

CD-400
Material: Stainless Steel Faceplate
Feature: Auxiliary COP; Extruded type; EN81-70 available

*All images here are for reference only, and the actual products shall prevail.

COP Feature ▼

COP TYPE	Dot-Matrix LED	Blue Segment LCD	Colored LCD	Customized Size	EN81-70	Max.Floor (Standard)
COP310	●	●	○	○	○	
COP310E	●	●	○	○	●	
COP330	●	●				
COP650	●	●				
COP660	●	○				36
COP670	●	●				
COP900	●	●	○(7")			
COP050	●	●	●			
CD-400					●	

NOTE:

Please contact us about your requirements in advance. Some extra functions (such as access control, extra keys, huge size buttons, etc.) may cause the Max.Floor reduced, or COP size customized. However, some types can't be customized.
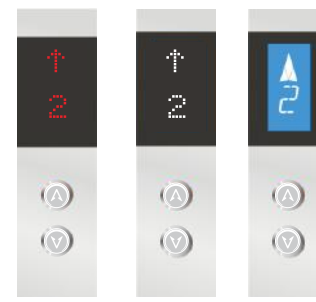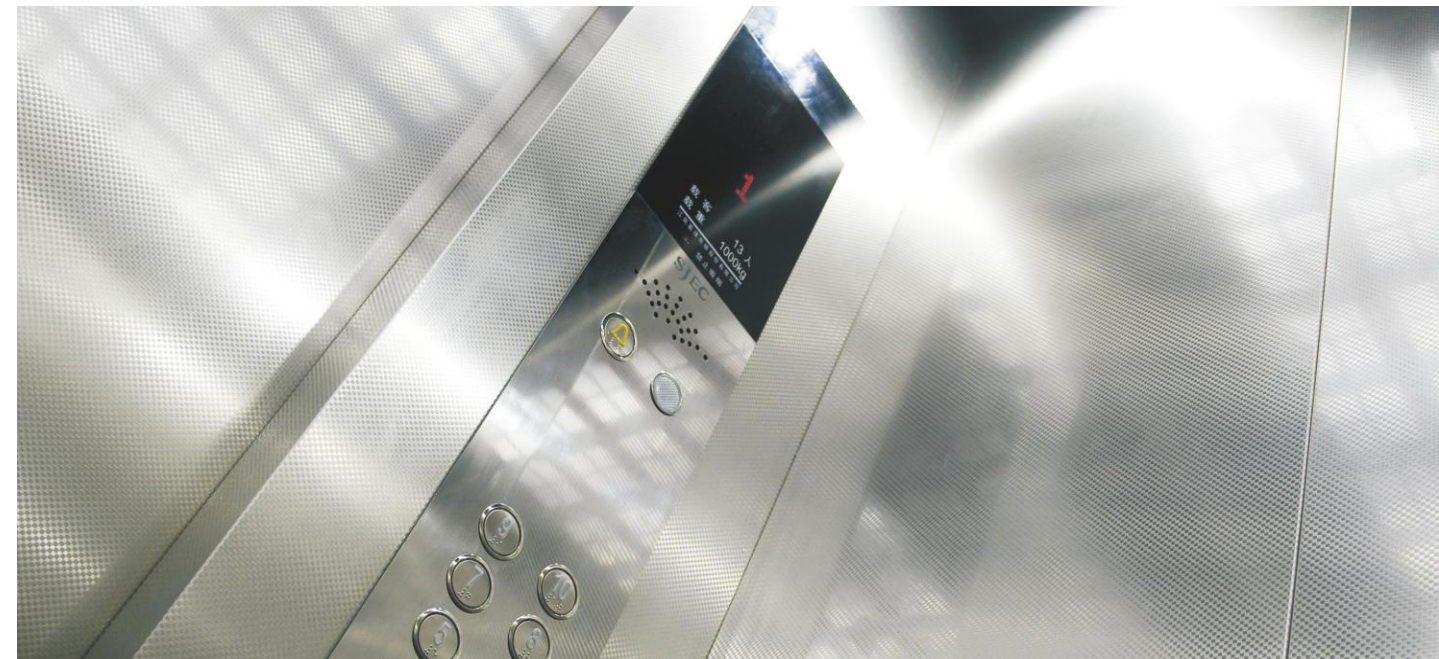
Colored LCD inludes 7 inch, 8 inch, 10 inch as options

○ Non-standard design / not always available. Please contact SJEC about your requirements in advance.

FOB Feature ▼

FOB TYPE	Insallation Meathod	One for One lift			
		Dot-Matrix LED	Blue Segment LCD	Colored LCD (4.3")	Customized Size
FOB310	Inserted in wall	●	●	○	○
FOB310S	Inserted in Jamb	●	●		○
FOB330	Mounted on wall	●	●		
FOB650/900	Inserted in wall	●	●		
FOB660 (Glass)	Inserted in wall	●	○		
FOB670	Inserted in wall	●	●		
FOB700	Mounted on wall	●	●		
HOP (Wall mounted type)	Mounted on wall	●	●		
HOP (Wall inserted type)	Inserted in wall	●	●	●	

FOB TYPE	One for Two lifts				Separate type			
	Dot-Matrix LED	Blue Segment LCD	Colored LCD (4.3")	Customized Size	Dot-Matrix LED	Blue Segment LCD	Colored LCD (4.3")	Customized Size
FOB310	●	●	○	○	●	●	○	○
FOB310S					●	●		○
FOB330								
FOB650/900	●	●						
FOB660 (Glass)	●	○						
FOB670	●	●						
FOB700	●	●						
HOP (Wall mounted type)	●	●			●	●		
HOP (Wall inserted type)	●	●	●					

Please contact us about your requirements in advance. Some extra functions (such as hall arriving gong device, extra keys, huge size buttons, etc.) may cause FOB size customized. However, some types can't be customized.

○ Non-standard design / not always available. Please contact SJEC about your requirements in advance.

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DISPLAY for COP ▼

Dot-matrix LED Red (standard)

Dot-matrix LED White

Blue-white Segment LCD

Black-white Segment LCD

8 inch/10 inch colored LCD

7 inch colored LCD

The colored LCD display only can be used on COB050.

BOTTON ▼

Relief marking with brushed stainless steel finish	PB330	PB210	PB220	PB280	PB290	PB300	PB340
Relief marking with braille. stainless steel finish	PB241	PB261	PB341				
Flash marking stainless steel finish.	PB270						
Braille tag mounted next to the button.	PB311						

NOTE:PB330 is as standard.Buttons in different illumination colors available: White, blue, yellow and orange.

*All images here are for reference only, and the actual products shall prevail.

DISPLAY for FOB ▼

Dot-matrix LED Red (V) (standard)

Dot-matrix LED White (V)

Segment LCD (V)

Blue Segment LCD (H)
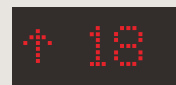
Dot-matrix LED (H)

4.3 inch colored LCD

NOTE: Dot-Matrix Red is as standard.

*All images here are for reference only, and the actual products shall prevail.

HALL LANTERN ▼

DZD-1　　DZD-2　　DZD-3　　DZD-4　　DZD-5　　DZD-6
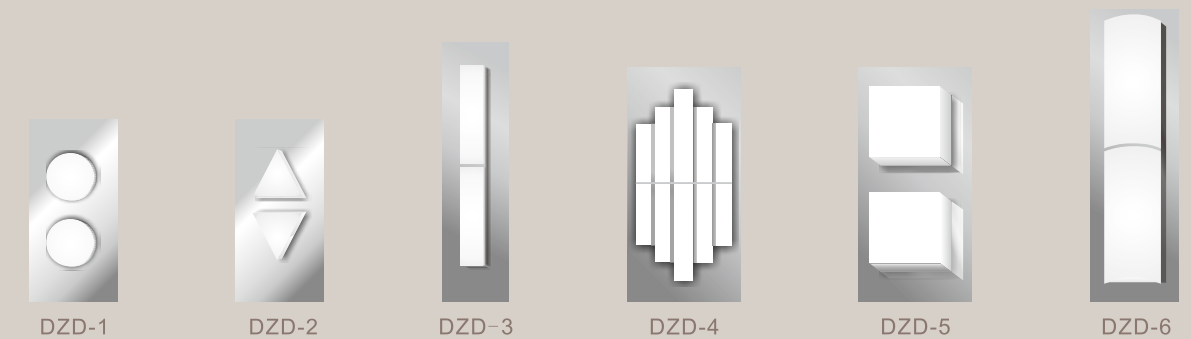
Hall Lantern Type	Faceplate Size
DZD-1	100*260mm
DZD-2	100*260mm
DZD-3	90*340mm
DZD-4	150*300mm
DZD-5	145*300mm
DZD-6	120*400*17mm (wall mounting)

NOTE:Faceplate material is Hairline Stainless Steel as standard.

The color of lantern, material of faceplate can be customized.

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Standard Function

Function	Description
Direct travel leveling	The system automatically calculates and generates the running curves based on the distance, enabling the elevator to directly stop at the leveling position without creeping.
Automatic generation of optimum curve	The system automatically calculates the optimum speed curve compliant with the human-machine function principle based on the distance, without being limited by the number of curves or short floor
Motor auto-tuning	With simple parameter setting, the system can obtain the motor parameters no matter whether the motor is with-load or without load.
Shaft learning	Shaft learning is required before first-time automatic running. During shaft learning, the elevator runs from the bottom floor to the top floor at the inspection speed and automatically records all position signals in the shaft.
Re-running automatically when elevator is re-powered	Elevator will get into normal service automatically without manual operation after power resume.
Floor position auto-correction	Every time when elevator pass leveling plate, floor position pulse will be corrected to theory value got from shaft learning.
Car location adjusted automatically	Every time the elevator runs to the terminal floor, the system automatically checks and corrects the car position information based on slow-down switch 1, and eliminates over travel top terminal or bottom terminal with use of the slow-down switches
Automatic startup torque compensation	The system automatically implements startup torque compensation based on the current car load, achieving smooth startup and improving the riding comfort.
Running times recording	In automatic running state, the system automatically records the running times of the elevator.
Running time recording	The system automatically records the accumulative working hours of the elevator.
Over voltage protection	Once power source voltage exceeds 120%, the motor will be protected against damages.
Phase trip protection	Once power supply is short of any phase or phase reversed, the motor will be protected against damages
Over current protection	Once current output to motor is over a set value, the motor will be protected against damages.
Motor over heat protection	Once motor winding temperature is over a set value, the motor will be protected against damages.
Encoder trip protection	Once encoder has fault, the motor will stop running immediately.
Contact stuck protection	System will monitor the contacts of contactors, if abnormal, the next running will not be allowed until the problem is resolved.
Bidirectional over speed protection	Once lift is running under over speed, lift will be stopped by electrical control system immediately.
Running direction reversal protection	Once the running direction monitored by encoder is not same as actual running direction, lift will stop running immediately.
Travel over time protection	During normal mode running, if leveling sensor signal does not feedback to control system over the set time, motor will be cut to prevent motor working under abnormal situation.
Final terminal protection	Prevent the elevator from traveling beyond a terminal landing.
Car overload protection	When car load exceeds rated load, lift will hold stop with door open at the floor and the buzzer alarms and overload lighting illuminated.
Anti door lock bridge	Door locks circuit is always monitored. Once door lock is detected be shorted, the lift will be not possible to start next running under normal mode.
Opposite direction car call cancelled automatically	When elevator runs to terminal floors or running direction changes, all registered opposite direction car call will be cancelled automatically to avoid unnecessary running.
Full-load non-stop running	When car load exceeds 80% of rated load, it ignores all hall calls to avoid useless stop and increase the efficiency of transportation. These ignored calls will be registered but responded in next trip (simplex) or by other lift (group control)
Low-speed re-level in case of some fault	When lift stops at the locking door zone by fault, lift will go to the nearest floor under lower speed and open the door.
Next floor if open door faults	If doors can't be opened or can't be fully opened, the lift will close the door and go to the next floor to open the door.
Warning if stop of door zone	The system gives a prompt when the elevator stops at a non door zone area due to faults.
Emergency illumination in car	When normal lighting power supply fails, car emergency lighting on COP will be illuminated by emergency power source.
Fault data recording	Controller will record latest 11 faults information include fault code, time and floor, and it will record the details of last fault.
Emergency alarm	When passenger trapped in car, press the button, the buzzer will alarm.
Automatic car fan	Car fan will be shut down automatically if no more calls are registered after a set time.
Automatic car lighting	Car lighting will be shutdown automatically if no more calls are registered after a set time.
Fire return feedback	Control system could output a signal to building fire alarm system when car reach nominated floor.
Floor number display settable	Floor display number could be set by 0-9, and English letter A-Z (I and O not available on some type display).
Automatic returning to parking floor	If no call during a set time, car will return to nominated main floor and wait for new calls.
Car fan manually control	Car ventilation fan could be turned on or off by this key switch on COP. It will be moved into "COP Window" when "COP Window" optional function is selected.

Alternative and Optional Function

Function	Description
Car lighting manually control	turn on/off the power supply of car lighting
Attendant Operation	Lift will be operated by an attendant.
Attendant Non-stop	Under attendant operation, press this button, lift will ignore hall calls and go to the nearest registered car call floor.
Door open holding button in attendant window	The door keeps open for a set time (adjustable, maximum 1000S) after press this button.
Independent running	When IND switch is turned to "ON", landing calls will be ignored and only car call will be responded. After all car call is responded, car door will be kept opened.
Car call anti-nuisance	Once the registered car calls number is more than 3 plus the passenger numbers weighed by weighting device, all the car calls will be cancelled automatically.
Landing service upon time	It can flexibly set the time periods and corresponding service floors.
Peak service	If car call over 3 from peak service floor during peak service time, elevator will get into peak service, and car call of peak service floor will be always registered, and elevator will return this floor at idle time.
Settable door open time	Door open and close time are automatically adjusted depending on whether the call cause the door open and close is a car call or hall car or door call.
Automatic by-pass jammed hall button	If a hall button is jammed mechanically, this hall call will be automatically bypassed after being served once, until the problem is resolved.
Security floor	During the night security period, the elevator runs to the security floor first every time, opens and closes the door once, and then runs to the target floor.

Function	Description
Arrival gong on car (proposed)	When car arrivals, the audible signal will be given from gong on car top to notice the passengers in the car (different sound for UP and DN). When optional function "Voice synthesizer" is selected, this function is not needed.
Shaft lighting	The shaft will be provided with permanently installed electric lighting.
Arrival gong on landing (customized)	When car arrivals, gong on landing will give the audible signal to notice the waiting passengers on landing (different sound for UP and DN). The gong could be amounted on landing.
Remote shutdown interface	Lift could supply an input interface (remote signal should be dry contact) for parking function, and user could use remote parking switch to put lift out of service or put it into service.
VIP service	One floor can be defined as VIP floor. Landing call of VIP floor will be responded priority to other landings' call.
Video cable in traveling cable	The cable is used for video camera (by others) installed in the car. Cable could be Co-axial cable or CAT5 network cable.
Landing door lock double circuits checked	Landing door main contacts and hall door vice contacts are monitored separately.
Fire return by building fire system	When lift receives a fire alarm signal from the building fire alarm system, it will stop running and directly return to nominated floor with door fully opened and out of normal service.
Audio cable in traveling cable	The cable is used for audio broadcaster (by others) installed on car top.
Earthquake protection	If lift receives earthquake signal, it will stop at nearest floor and open door to free the passenger.
Hall lantern,	It indicates passengers waiting at a floor about the travel direction of arriving car.
Shaft cable trunk	Shaft cable trunk could be Plastic trunk or Metal trunk (required in case of steel shaft).
Check door lock bridge before exit inspection	When control system switch from inspection mode to normal mode, door lock circuit need to open once, otherwise, control will stay at inspection mode.
Power saving device (regenerative driver)	This device will feedback the energy produced by lift system to the power supply. It could save power about 30% depending on different type and capacity of lift.
Fireman service (phase II)	When fire happened, the lift will be operated by fireman(s), operation controls follow EN81-72.
Car call cancelable	False car call could be cancelled by press the same floor button twice continuously.
Parking key switch	2-position switch on FOB of nominated floor. On "STOP" potion, all registered calls will be cancelled and the lift will go to nominated floor with door open, then close the door and out of service. The cancelled calls will be registered on other lift (if group control). On "RUN" position, lift will be turned back to service.
Fire return switch (Phase I),	When fire return switch is activated, lift will stop running and directly return to nominated floor with door fully opened and out of normal service.
Remote manual brake release	For MRL lift, brake can be opened remotely by mechanical or electrical device.
ARD (Automatic rescue device while power off)	When power failure, lift will go to the nearest possible floor, open the door and release the passengers automatically. This is a standard function for MRL solution.
UCMP	Unintended car movement protection
Automatic re-leveling	Car move up or down at unlocking zone with door opened to keep leveling accuracy
Pre-opening door	Door will open in advance during stopping to the level.
Button with tactile, Braille, and sound	Push button follows EN81-70
Disability COP	Position of push buttons and indicator follow EN81-70
Voice announcer	Audio information of car operation (arriving floor & running direction) will be announced to passenger. English language as standard, if other foreign language required, voice document in MP3 format should be supplied.
Handrail HC-104	Position and type of handrail follows EN81-70.
Mirror (half height) on rear wall	For wheelchair user to observe obstacles behind them when moving backwards out of the car
Disability FOB	Position of push buttons and indicator follow EN81-70. The indicator shall be separated type, height 1.8-2.5m from floor.
Selective collective	Standard: Full collective (UP & DN hall call buttons on FOB) Option: Down collective (DN hall call button on FOB)
Access control (Security control)	Only after register by IC card, the call(s) could be registered. Which means lift can't be used by passenger without IC card.
Interphone	Standard: 5-terminal: monitoring room, machine room, car top, car and pit. Option: 3-terminal: machine room, car and main floor. If interphone provided by others, the interface will be reserved as required. Note: If 4 or more lifts share one monitoring room, center management phone will be used in monitoring room. In case of 4 to 22 lifts, each lift should have a cable from control panel to monitoring room. In case of 23 to 254 lifts, all lifts control panel interphones should be connected into BUS system and then to monitoring room. Cable from control panel interphone to monitoring room is by others. Please consult factory regarding cable specification.
Door safety device	Standard: 2D light curtain Option: a. 3D light curtain, b. 2D light curtain with safety edges, c.3D light curtain with safety edges
Remote monitoring	
4 dry contact interface	System could supply 4 dry contacts to output the basic signals of lift operation including AUTO, INSPECTION, FAULT and PARKING for remote monitoring.
RS485 interface	Lift could supply a RS485 or Intranet communication interface to output all signals of lift operation for remote monitoring. Signals include: 1. status of lift (auto, parking, inspection, fault, fire return, fireman service drive control, attendant, independent, overload, full load, arrival) 2. car location and running direction (floor No., UP, DN, STOP) 3. status of doors (open, fully open, close, fully close) 4. car door position (unlocking zone, locking zone) 5. fault information (fault time, fault reasons)
Remote monitoring system	Monitoring system based on RS485 interface. Same monitor information as RS485 interface. SJEC provide monitoring hardware and monitoring software in PC. Cables between elevator and monitoring room and PC by customer.