

The production base of
FUJI Elevator in Northern China



Official Tiktok
number



Official wechat
public account



360° Company
panorama



Escalator 3D
animation

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ESCALATOR &
MOVING WALK



SHANDONG FUJIZY ELEVATOR



Many reconstruction schemes

For different years of the elevator and different use conditions, the launch of flexible and diverse transformation schemes



Fast construction speed

On the basis of accurate survey in the early stage and the formulation of renewal plans, the reconstruction construction period is greatly shortened according to the accurate accordance



Good product and service

Own factory and service team, the solution is fully tested, professional and reliable



Renewal cost savings

Minimize available parts and save retrofit costs through careful evaluation



Wide range of application

The team has rich experience, and can give suitable renovation plans for various elevator brands and models

ELEVATOR RENOVATION

WE ARE MORE PROFESSIONAL

Shandong Fjzy Elevator has many years of experience in elevator manufacturing services and has accumulated rich experience in the implementation of old elevator renovation projects.

We fully understand the actual needs of our customers and have developed a comprehensive solution for upgrading, optimizing, and renovating the elevator system.



China headquarters

North China Fuji elevator production base



North China Manufacturing base

The main production of fast-loading steel structure elevator



Southwest manufacturing base

The main production of straight ladder + quick loading steel structure elevator

250000m²

Floor space

29000Portable

Annual output

180Item

Patented technology

120m

Test tower height

Based on security,
rigorous design



The safety protection function design of FUJIZY Control's escalators/sidewalks follows the latest GB 16899 standard and international standards, while fully considering passenger needs in details, bringing people a harmonious and safe riding environment.



Emergency braking technology

The emergency braking device and stop button can quickly stop the elevator in case of a malfunction, ensuring the safety of passengers.



Multi step (pedal) protection device

The multiple step (pedal) protection device that meets safety standards will immediately cut off the power supply of the main engine in case of a malfunction, fully ensuring the safety of passengers.



Comprehensive security protection

More than 30 safety protection devices and functional designs safeguard passenger safety in every detail.



Fault display settings

Accurately display the fault location and clearly communicate it to maintenance personnel to improve maintenance efficiency.



Visual component design

Visual components such as climbing lighting, apron lighting, yellow comb teeth, and running direction indicator lights are designed to effectively alert passengers and guide them to safely board the elevator.

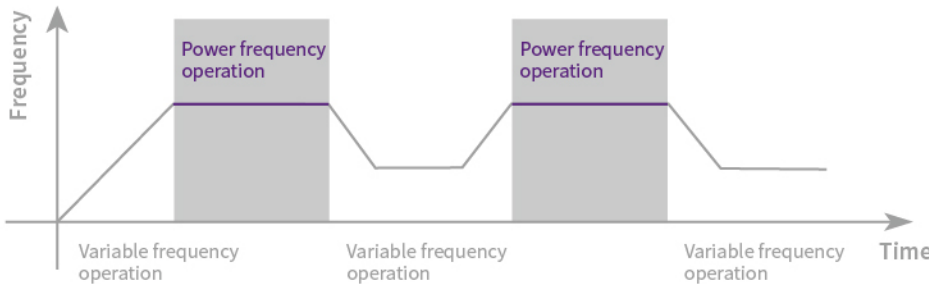
Save and create energy to create infinite value

Escalators and sidewalks are generally used in commercial and public transportation projects with high passenger flow and frequent use. Whether the products are energy-saving is particularly important. FUJIZY Control applies various advanced energy-saving technologies to escalators and sidewalks, effectively saving energy, reducing carbon emissions in public buildings, and helping buildings meet environmental standards.



VFD Tech and ECO energy-saving system

Dual pronged approach, intelligent switching of driving modes, energy saving up to 40%, while reducing operating noise and minimizing equipment wear and tear.



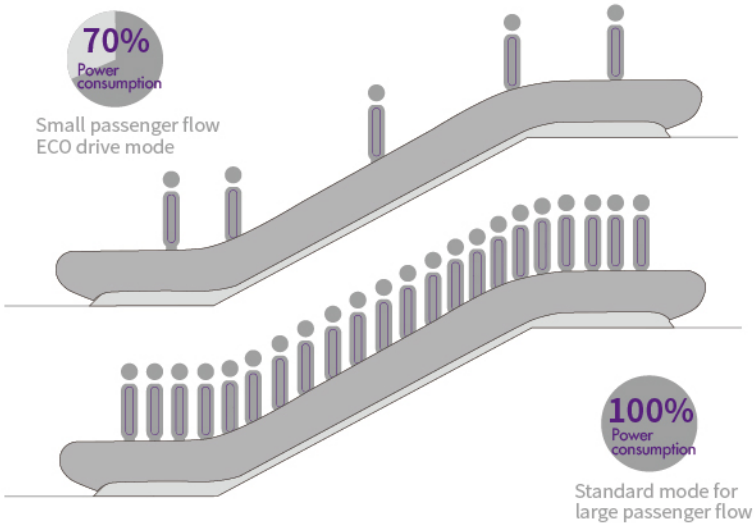
Energy feedback device

Renewable energy can be converted into electrical energy and fed back to the local power grid for use by nearby elevator equipment, achieving the goal of complete energy conservation.



LED lighting system

Adopting more energy-efficient LED lighting solutions further reduces energy consumption and is more durable.



FUJIZY escalator

Integrating modern aesthetics and leading technology, with superior quality and elegant beauty, it is the best choice for large pedestrian venues such as stations, shopping malls, and airports.

Strive for excellence, showcase superiority

Advanced microcomputer control system and driving device, precise control, smooth driving

Electric lubrication technology automatically lubricates transmission components, extending product service life

Simulate a neural safety platform to quickly perceive the health status of every part of the elevator

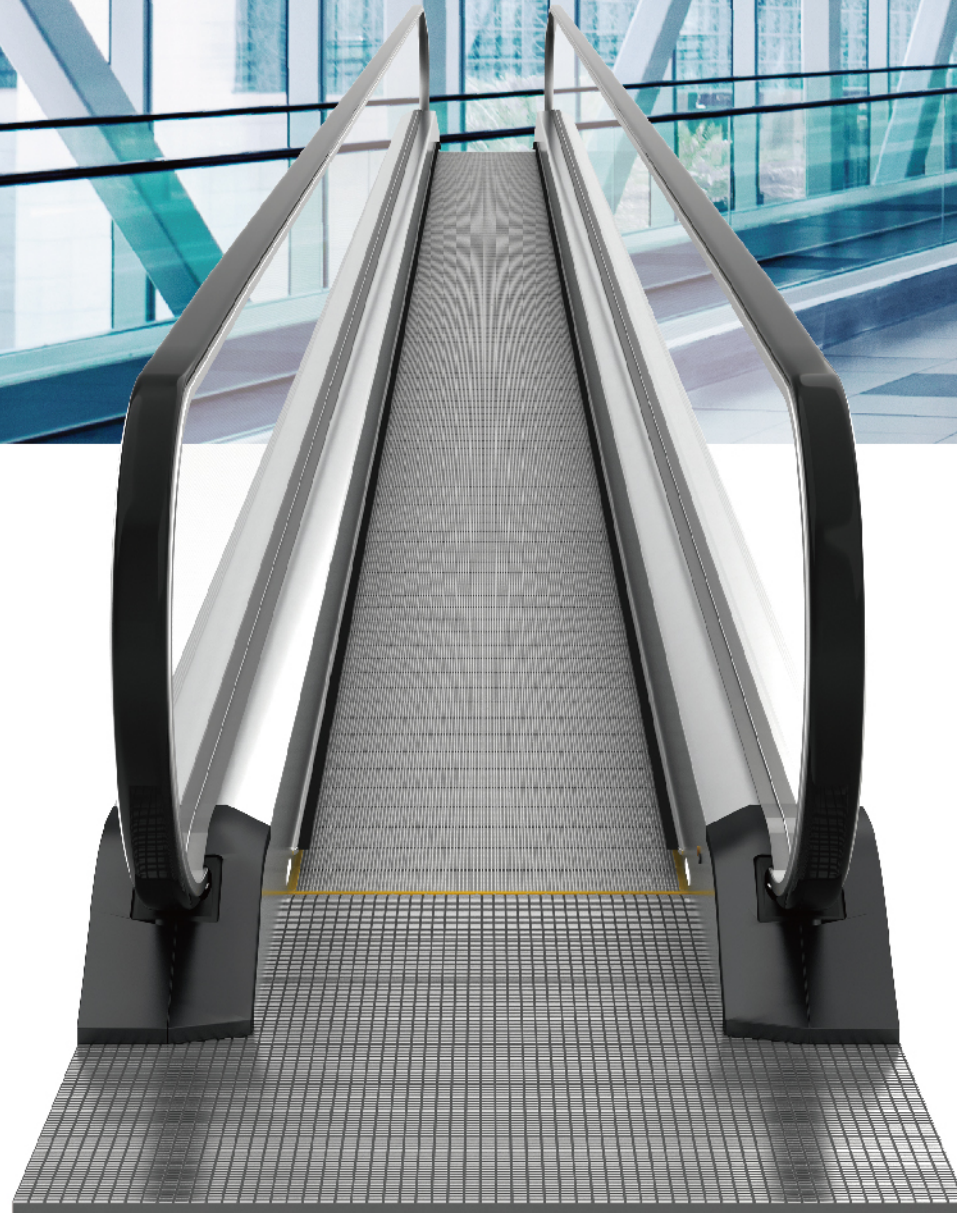
The roller has built-in steps, making the operation smoother and quieter

Unique angle steel structure design process endows the product with super strong bearing capacity

Diversified armrests and wall panels to meet the needs of different occasions

FUJIZY Imperial's innovative exterior design blends harmoniously with the environment





Using advanced technology concepts, safety first, superior performance, suitable for public places such as airports, shopping centers, and tourist attractions.

Perfect details, safe and stable

Fish belly short pedal design, compact structure, suitable for various building layouts
Short pedal surface anti slip groove design, small comb teeth inclined angle, convenient for easy entry and exit of shopping cart
Fashionable exterior design adds scenery to various modern commercial and public buildings
Advanced microcomputer control system comprehensively monitors the operation status of automatic pedestrian walkways and promptly eliminates hidden dangers
Design process of angle steel structure, super strong load capacity, extending the service life of the entire elevator

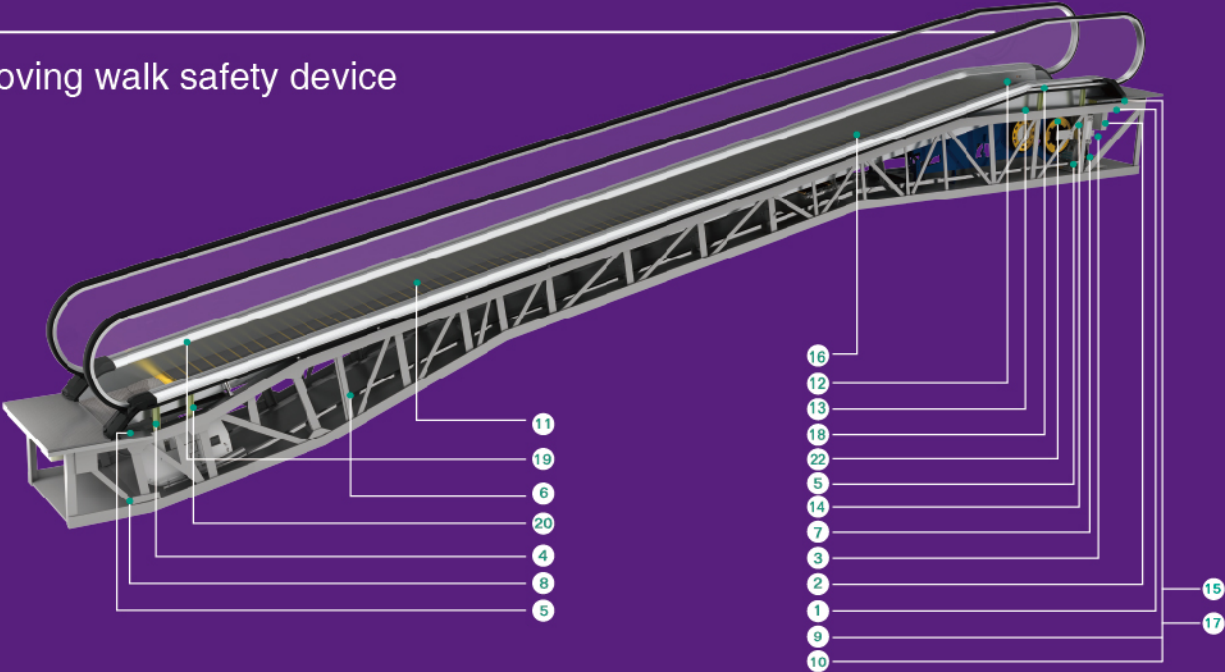
Safety device

Standard Safety Device	1. Lack of phase, error phase protection	If lack of phase or error phase has been checked out, the escalator (auto-walk) will automatically stop the operation.
	2. Motor over-load protection	When the current exceeds 15% of the current rating, the escalator will automatically stop the operation.
	3. Electrical appliance loop protection	It offers the automatic circuit disconnecting device to protect the circuit and mains components of the escalator (auto-walk).
	4. Handrail inlet protection	When some foreign substance has been clipped in the handrail inlet, the escalator (auto-walk) will automatically stop the operation.
	5. Comb plate safety device	When some foreign substance has been clipped in or between the combs, the escalator (auto-walk) will automatically stop the operation.
	6. Step sagging protection device	When there is abnormal step bending, the escalator (auto-walk) will stop the operation before the step entering into the comb plate.
	7. Broken drive-chain safety device	When the drive-chain has been over-stretched or it is broken, the escalator (auto-walk) will automatically stop the operation.
	8. Broken step chain protection	When the step (pallet) chain has been over-stretched or it is broken, the escalator (auto-walk) will automatically stop the operation.
	9. Over-speed protection	When there is over-speed to the escalator (auto-walk), it will automatically stop the operation.
	10. Direction reversal protection	When it comes the unintentional reversal of the direction of travel, the escalator (auto-walk) will automatically stop the operation.
	11. Security line	The yellow synthetic resin security line is located in the front position and two sides of the escalator tread so that the passengers will not tread in-between the edge of the adjacent step and the lift group lengthened skirt panel. The security line on both sides of the step is higher than the tread surface.
	12. Emergency stop button	When the button has been pressed down, the escalator (auto-walk) will stop the operation.
	13. Skirt panel protection	When some foreign substance has been clipped in between the skirt panel and the step, the escalator (auto-walk) will automatically stop the operation.
	14. Brake protection	When the electric force falls short of supply or it acts any of the safety device, the brake function goes into effect by the safety device through the spring resilience action. In this way, the escalator (auto-walk) stops the operation.
	15. Safety inspection switch	It is a safety device to prevent from the escalator starting during the inspection and maintenance.
	16. Step illumination	Illumination exists in the upper and lower ends of the escalator, in the lower part of the step in order to remind the passengers of the security matters.
	17. Alarm bell starting device	The alarm bell rings when it starts the escalator in order to remind the passengers of the security matters.
	18. Control device for handrail breakage	When the handrail is broken, the escalator (auto-walk) will automatically stop the operation.
	19. Skirt panel brush	Optional safety device installs brush between step and skirting so that the passengers' shoes will not touch the skirting.
	20. Handrail speed monitor	When the handrail speed versus step is slower than certain percentage, the escalator (auto-walk) will stop the operation.
Optional Safety Device	21. Drain function of lower machine room	When water inlet of lower machine room exceeds the standard, drain system runs automatically (for outdoor elevator type).
	22. Emergency brake	It prevents from the escalator slide and ensures the human security in case of the drive chain breakage or the out-of-order of the brake. (It should be allocated with the emergency brake when 6m<H.)

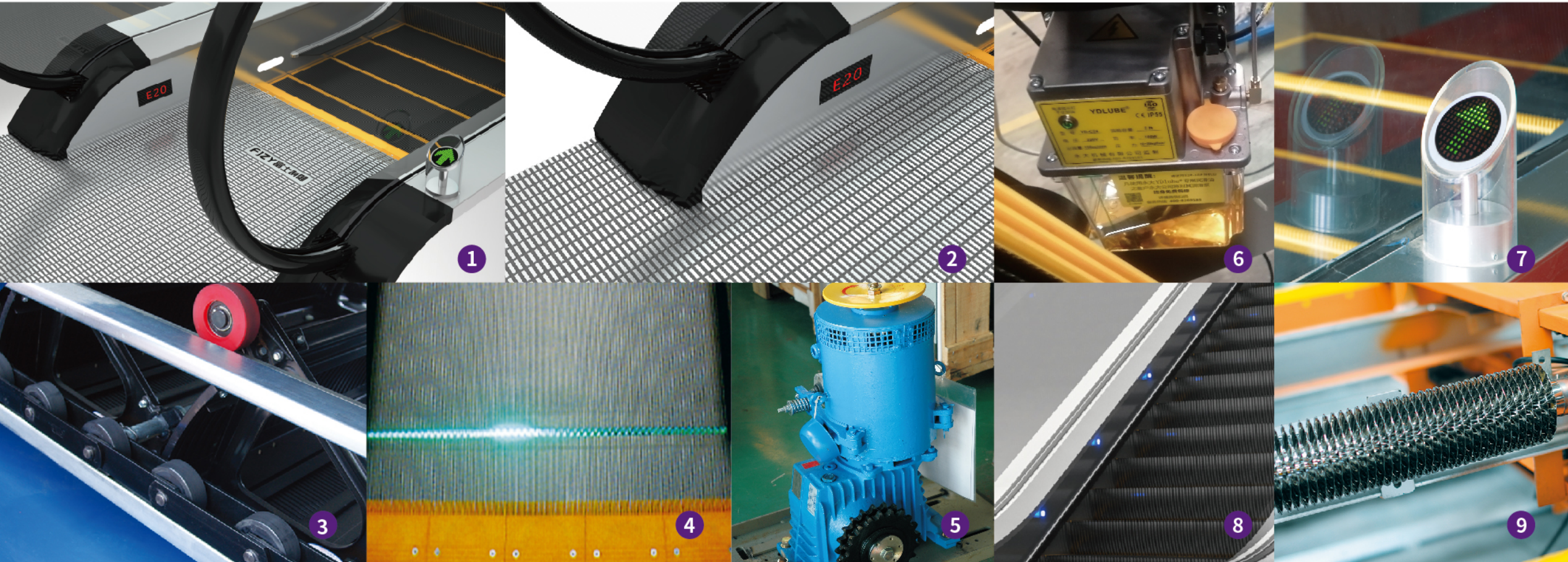
Escalator safety device



Moving walk safety device



Function



1. Armrest entrance (Standard)

The innovative and stylish streamlined handrail with entrance and exit design endows the escalator with greater spirituality and affinity.

2. Malfunctioning display (Standard)

By observing the digital indicators installed on both sides of the apron boards at the entrance and exit of the escalator (sidewalk), maintenance work can be made faster and easier.

3. The roller has built-in steps (Standard)

The roller is built into a specially designed roller step chain, which can effectively reduce the noise during driving operation, making the operation smoother and calmer.

4. Ladder lighting (Standard)

Green fluorescence is gently emitted from the meshing teeth of the adjacent two sections of steps (pedals) at the upper/lower ends to remind passengers to pay attention to the horizontal section of the steps and improve elevator safety.

5. Vertical traction machine (Standard)

Higher transmission efficiency, lower operating noise, and longer service life.

Handrail Color



Optional and diversified handrail colors.

6. Electric lubrication (Standard)

Controlled by a microcomputer, a refueling signal is sent out within a set time, automatically connecting the hydraulic pump for refueling and lubrication.

7. Direction of operation indication (Optional)

The direction of operation and prohibition display signs are placed at the entrance and exit of the handrail to provide obvious indications of operation or prohibition, ensuring that passengers can ride safely and freely.

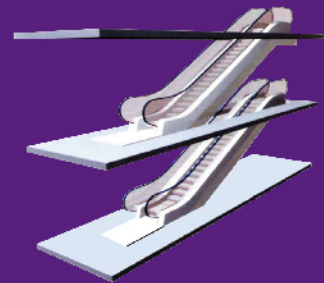
8. Apron lighting (Optional)

The apron board lighting arranged along the curved running trajectory of the steps (pedals) can make passengers feel comfortable and safe.

9. Heating device (Optional)

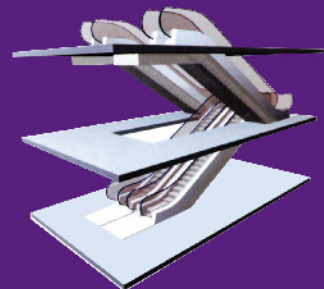
The upper part is installed next to the main unit in the upper computer room, mainly heating the upper computer room. The middle part is installed in the middle of the escalator, and the lower part is installed in the lower computer room, mainly heating the entire elevator path.

Rational arrangements



Single arrangement

This layout method takes up a small area and allows for flexible placement of escalators. It can only achieve one-way intermittent flow of passenger flow and is mostly suitable for small shopping malls and stores.



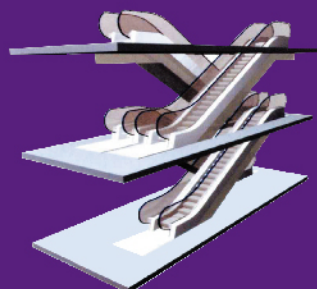
Parallel continuous arrangement

This layout is mainly suitable for large shopping malls and public transportation places with high passenger flow. It can achieve bidirectional continuous flow of large passenger flow; When there is a unilateral peak in passenger flow, the running direction of some escalators can be adjusted according to the needs of passenger flow to meet the peak flow. Because there is no need for an inner baffle, this method has a certain degree of economy.



Continuous arrangement

This layout method requires more space than intermittent layout, and it can achieve one-way continuous flow of passenger flow, which is more suitable for small and medium-sized department stores.



Cross arrangement

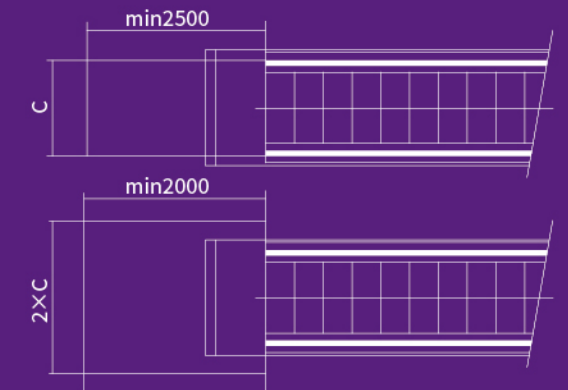
This layout is mainly suitable for large department stores and public buildings, where the frequency of transportation between floors should be kept as low as possible.

Installation notice

In addition to ensuring the dimensions and requirements of the contracted civil engineering, The following requirements should also be met.

In order to ensure the safe use of escalators and sidewalks, sufficient free space must be provided at each floor station. (See the minimum size diagram on the right)

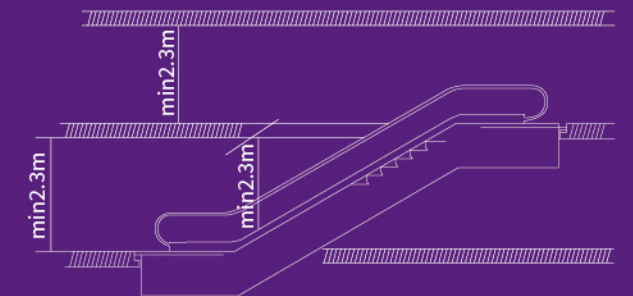
C=Add 80mm on each side of the outer edge of the handrail.



Headspace safety distance

At any point on the steps/pedals, there should be a safe distance of at least 2.3 meters without any obstacles.

Pay special attention! If the lifting height of another escalator on one escalator is less than 3.3 meters, it is impossible to achieve a safety distance of 2.3 meters for the overhead space.



The installation of escalators (sidewalks) must ensure the necessary horizontal safety distance

The horizontal safety distance from the outer edge of the handrail to the wall or other obstacles must be greater than 80mm.

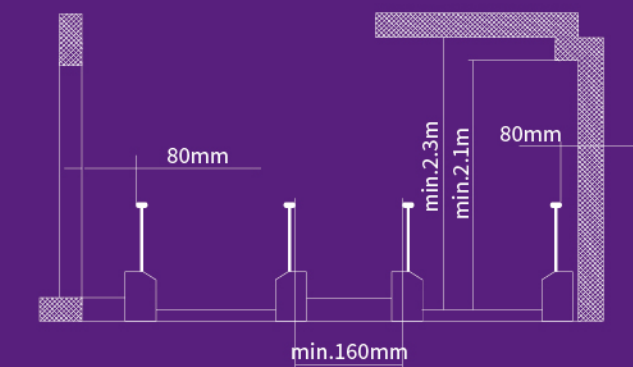
The vertical safety distance above the step/pedal area must be greater than 2.3m.

The height of the free space outside the handrail must be greater than 2.1m.

The horizontal safety distance from the outer edge of the handrail to the obstacle must be greater than 0.4m for floor openings or escalator/sidewalk intersections.

If the requirements are not met, specialized protective devices and collision barriers need to be installed.

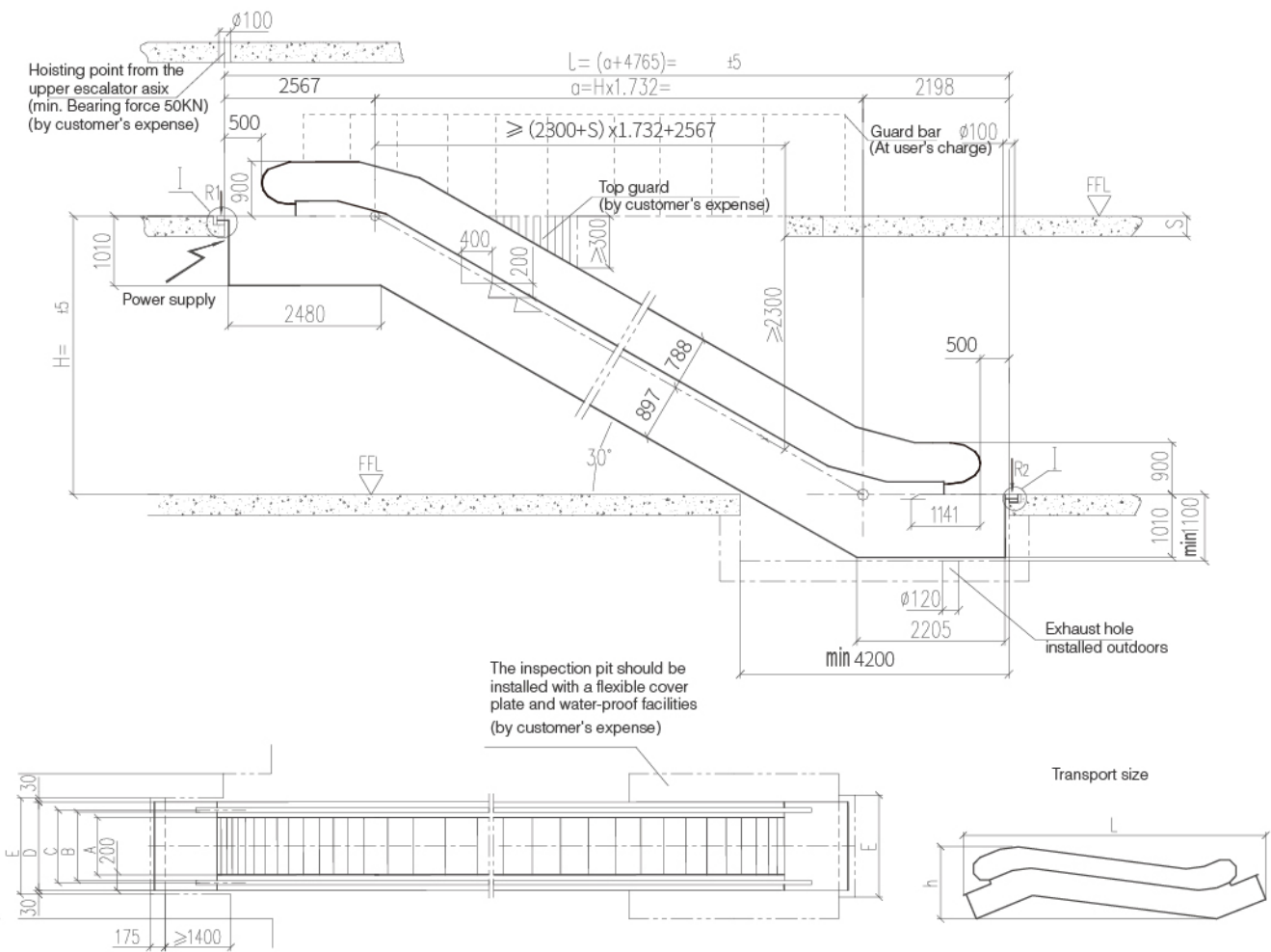
Specialized protective devices and collision barriers can be consulted with Shandong Fuji Elevator Company.



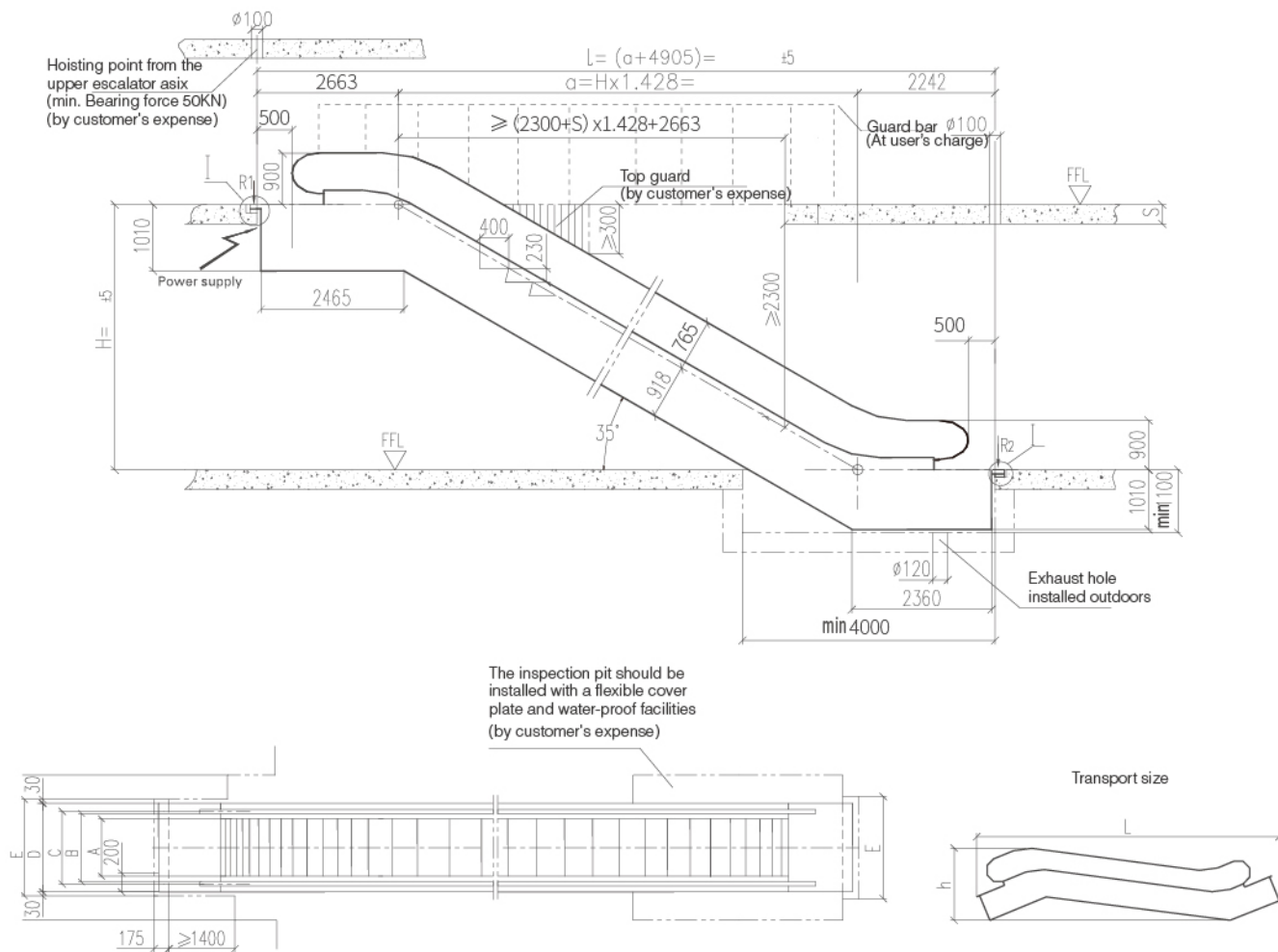
The distance between the outer edge of the escalator or sidewalk handrail set parallel or intersecting should not be less than 160mm.

Construction parameters

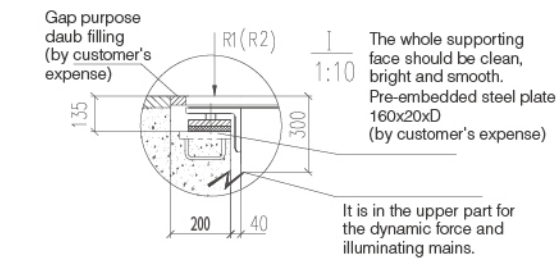
30° Escalator



35° Escalator

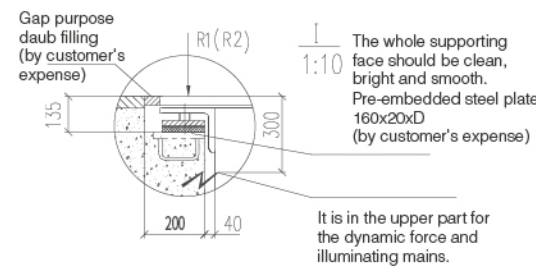


Model	Travelling height(mm)	Net weight KN	Supporting		Motor power	Transport size	
			R1 KN	R2 KN		H	L
FJF6000 (600/30°)	3000	57	46	41	5.5	2750	11200
	3500	60	49	44		2780	12185
	4000	64	52	47		2820	13174
	4500	68	56	50	8	2850	14165
	5000	71	59	53		2870	15157
	5500	75	62	56		2890	16150
FJF6000 (800/30°)	3000	59	52	47	5.5	2750	10900
	3500	63	56	50		2780	11890
	4000	67	60	54	8	2810	12880
	4500	71	64	57		2830	13870
	5000	74	68	60		2840	14860
	5500	82	74	66	11	2860	15860
FJF6000 (1000/30°)	3000	63	59	53	5.5	2750	10900
	3500	67	64	57		2780	11890
	4000	71	68	61	8	2810	12880
	4500	75	73	65		2830	13870
	5000	83	79	71		2840	14860
	5500	87	84	75	11	2860	15860
Speed 0.5m/s	6000	92	88	79		2870	16860



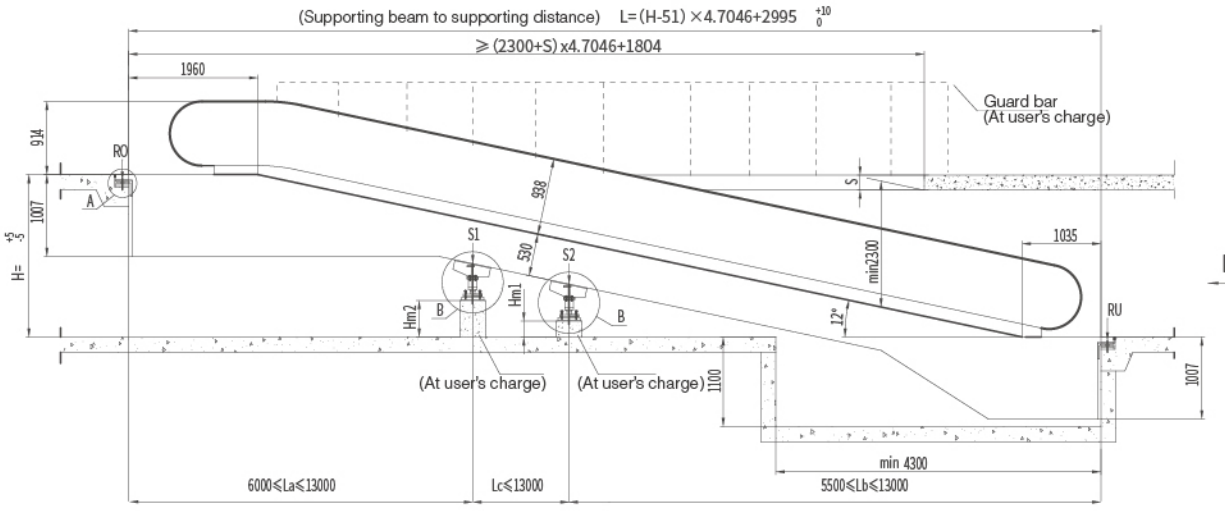
Step width (mm)	A	B	C	D	E
1000	1000	1158	1238	1530	1560
800	800	958	1038	1330	1360
600	600	758	838	1130	1160

Model	Travelling height(mm)	Net weight KN	Supporting		Motor power	Transport size	
			R1 KN	R2 KN		H	L
FJF6000 (600/35°)	3000	54	43	39	5.5	2870	10478
	3500	57	46	41		2930	11328
	4000	60	59	44		2950	12182
	4500	64	52	46	8	2980	13038
	5000	67	54	49		3010	13896
	5500	70	57	51		3040	14755
FJF6000 (800/35°)	3000	56	49	44	5.5	2850	10180
	3500	60	52	47		2890	11030
	4000	63	56	50	8	2920	11890
	4500	66	59	53		2940	12750
	5000	70	62	56		2970	13610
	5500	73	65	59	11	2980	14470
FJF6000 (1000/35°)	3000	60	56	50	5.5	2850	10180
	3500	64	60	53		2890	11030
	4000	67	64	57	8	2920	11890
	4500	71	67	60		2940	12750
	5000	74	71	64		2970	13610
	5500	82	77	69	11	2980	14470
Speed 0.5m/s	6000	85	81	72		3000	15330



Step width (mm)	A	B	C	D	E
1000	1000	1158	1238	1530	1560
800	800	958	1038	1330	1360
600	600	758	838	1130	1160

12° Moving Walk



Technical drawing of a drainage channel cross-section. The drawing shows a channel with a sloped bottom and a flat top. Key dimensions and components are labeled:

- min.1200**: Minimum length of the channel section.
- 200**: Height of the channel walls.
- min.300**: Minimum width of the channel.
- b**: Width of the channel bottom.
- min.950**: Minimum length of the channel section.
- D**: Total height of the channel.
- C**: Height of the channel walls.
- Lightning bolt symbol**: Indicates a warning or hazard.

Gap purpose silicon gel filling (by customer's expense)
Sill final completion surface

The whole supporting face should be clean, bright and smooth.

Pre-embedded steel plate
160x20xD (by customer's expense)

should fill or cover the gap between the machine construction. The user should take care of standard which is applicable for the well width (customer's expense)

Gap purpose silicon gel filling (by customer's expense)

Sill final completion surface

2000±10

1:1

150

300

40

Bearing beam

The whole supporting face should be clean, bright and smooth.

Pre-embedded steel plate 160x20xD (by customer's expense)

Size unit mm		
Don't measure the size in the drawing.		
Tread width A	1000	800
Central distance of the handrail B	1238	1038
Outline width C	1530	1330
Supporting beam width in the wall D	≥1560	≥1360

Professional maintenance, value-added services

From service outlets all over the country to professional service team building; From the complete spare parts center to the professional all-weather customer service center, FUJIZY has established a perfect service system to fundamentally protect the all-round interests of customers and users.

128

128 service outlets nation-wide, to achieve nearby, timely maintenance

24

The customer service center provides 24-hour consultation service and quick response

Customized

The maintenance plan tailored to customer needs is scientific and reasonable

Adequate spare parts

Abundant spare parts, convenient delivery

Certification Team

Certified installation team, efficient and standard installation process to ensure installation quality

IoT

Real-time remote monitoring based on the Internet of Things technology, rapid diagnosis, maintenance personnel fast door

Service hotline
400-6996-777