



OSIAS
LIFTS PVT. LTD.

The Team Response

AN ISO 9001 - 2008 CERTIFIED

Excellent Quality with Comfort & Safety

About us

OSIAS has been in the elevator industry for the past several years and is currently one of the fast growing companies having in-house production facility with well equipped and state-of-the art R&D unit.

We have done extensive market studies in this line of business for over a decade and developed a deep understanding of the advancement in elevator technology as well as diverse customer needs.

A technically sound and strong team of Electrical, Mechanical and Electronic Engineers specialized in elevator technology provide the right impetus for OSIAS to reach the zenith of excellence and perfection in elevator production, erection and installation.

Product Range

Elevator Types Traction / Hydraulic	Doors	Operations
<ul style="list-style-type: none">❖ Observation / Panoramic❖ Hospital / Stretcher❖ Industrial / Goods❖ Automobile / Car❖ Dumb Waiter / Service	<ul style="list-style-type: none">❖ Collapsible Gate❖ Mild Steel Swing Door (with self-closing System)❖ Mild Steel Centre Opening Auto Door❖ Stainless Steel Centre Opening Auto Door❖ Telescopic Sliding Auto Door❖ Vertical Bi-parting Door	<ul style="list-style-type: none">❖ Down Collective / Full Collective❖ Simplex / Duplex❖ Triplex / Quadruplex❖ Group Operation (Suitable for group up to 8 Elevators)

GEARED ELEVATOR DRIVE MACHINE



The machine will be traction type with an AC motor, electro mechanical brake, heat treated alloy steel worm shaft, centrifugally cast bronze worm gear wheel and superior grade cast iron drive sheave all compactly mounted on a single base or bed plate. Taper Roller Bearings ensure end thrust absorption and Spherical Roller Bearings ensure enough traction and minimize rope wear and tear.

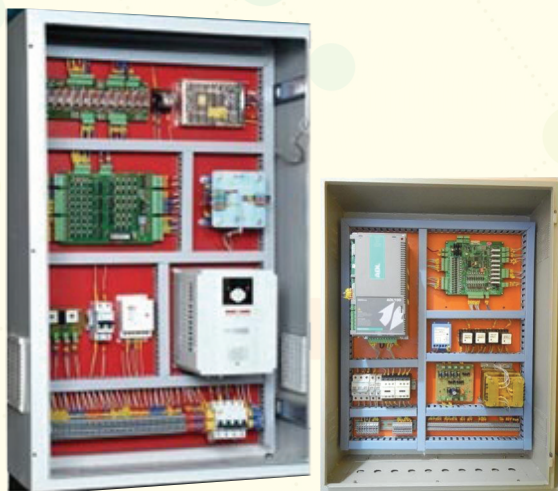
GEARLESS ELEVATOR DRIVE MACHINE



Gearless motor, the latest innovation in elevator technology based on permanent magnet synchronous gearless machine is in great demand in the elevator industry because of the following technical advantages

The PMSM (Permanent Magnet Synchronous Motor) uses a rare earth permanent magnet with high magnetic flux density. In this system as a permanent magnetic flux is established, there is no need to release magnetizing current which in turn results in efficient control and energy saving. This invention allows the motor to have short length with large diameter and therefore a high torque. As such it does not require gears and is compact in size and weight which allows installation in a small space. It is less noisy and provides unsurpassed smoothness and ride quality.

CONTROL SYSTEM



OSIAS traffic control system is based on advanced micro controller system incorporating field proven and field programmable sophisticated software to ensure efficient and reliable service under demanding traffic conditions. There are different control systems to meet the diverse needs of different types of requirements.

The system can be programmed for single speed, Two speed or Variable Voltage Variable frequency Drive (VVVFD) with either manual or auto door operation available for all types of applications. Error message display in LCD / Dot matrix / 7 segment models included for quick fault diagnosis and easy and speedy debugging of controller.

OSIAS ARD SYSTEM



Auto Rescue Device (ARD) is an advanced rescue system for rescuing passengers from an elevator in the event of a power failure. Manual rescuing is time consuming and prone to heightened anxiety among the passengers.

Attempt to manually rescue may also result in injuries if done by untrained persons. ARD provides required power to move the elevator car to the nearest landing and open the door automatically to rescue the passengers.

CAR FINISHES AND DESIGNS



Standard
(Powder Coated)

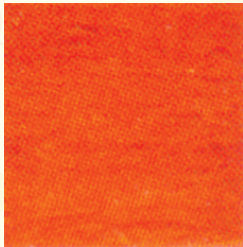


Supreme
(SS202)

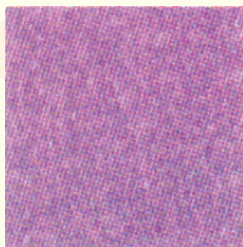


Deluxe
(SS304)

Standard Vinyl Flooring

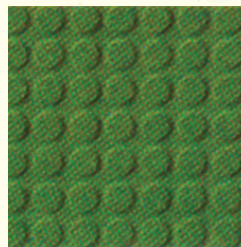


Simpson Red



Deep Sea

Embossed Vinyl Flooring



Marble Pattern

MS Chakkar Plate Flooring



Semi Automatic Swing Doors



Manual Telescopic Door



Manual Telescopic SS 304 Door

MS Collapsible Gate



Imperforated Gate



Centre Opening Auto Door

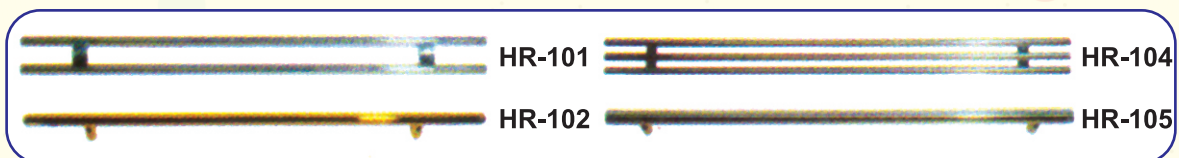


Telescopic Auto Door

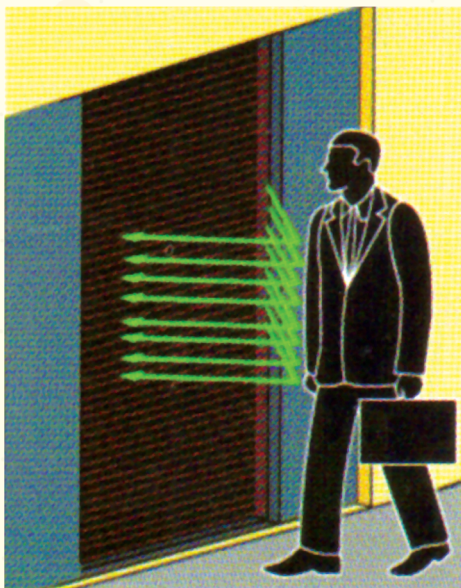


Big Vision auto door

Handrails (Optional)



Infra Red Full Length Door detector



The door detector projects a curtain of 80 criss cross (zig zag) and direct beams to detect person or object in the path of the closing door, reverses the opening process on detecting obstruction, restarts closing after the pre-set time lag for open door state.

Salient Features

- ❖ Highly reliable operations and easy to install
- ❖ Unaffected by alignment and door movement
- ❖ Insensitive to dust
- ❖ Sophisticated software control
- ❖ On-board diagnostics
- ❖ Fail safe electronics

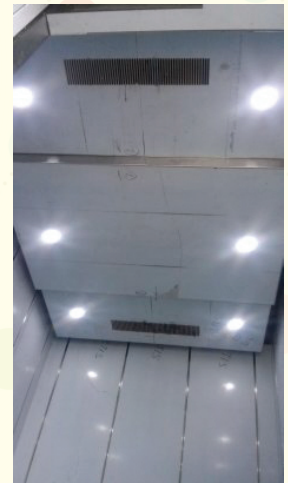
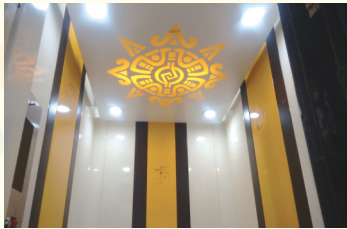
Car Display



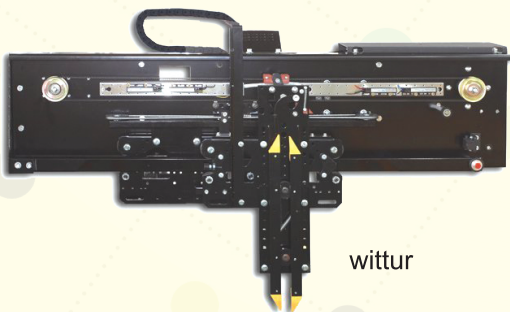
Landing Display

Signal Devices	Face Plates	Direction & Position Indicator	Cell Button
<ul style="list-style-type: none"> ❖ Car Operating Panel 	<ul style="list-style-type: none"> ❖ Stainless Steel Hairline Finish 	<ul style="list-style-type: none"> ❖ Digital Seven Segment Display ❖ Digital Dot Matrix Scrolling Display. ❖ LCD Display 	<ul style="list-style-type: none"> ❖ Micro Stoke Click Button. ❖ Touch button.

CEILING OPTIONAL



Door Headers



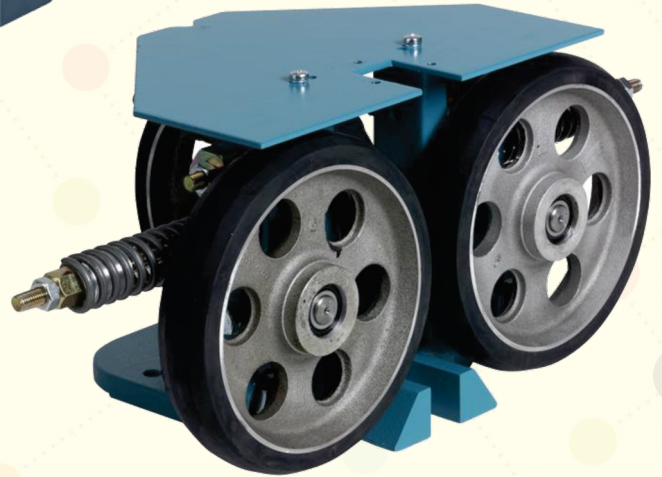
Salient Features

- ❖ Low Voltage Operation.
- ❖ Reduces mechanical & Electrical Components such as pulleys, car open and close limits.
- ❖ Noiseless operation
- ❖ Programmable opening / closing speed
- ❖ Power saving up to 50%
- ❖ Obstacle detection by drive technology.

Over Speed Governor



Guide Roller Shoe



Guide Roller Shoe

STANDARD FUNCTIONS

- ✓ Down collective control
- ✓ VVVF Drive
- ✓ Emergency light
- ✓ Automatic leveling with ground floor on power restoration
- ✓ Floor position and direction indicator in car and landings
- ✓ Terminal approach slow down for safety
- ✓ Final limit protection
- ✓ Independent operation
- ✓ Emergency alarm
- ✓ Door open announcement system
- ✓ Home landing

OPTIONAL FUNCTIONS

- ✓ Voice announcement (Any language)
- ✓ Car LCD display with message
- ✓ Duplex control
- ✓ Group supervision function
- ✓ VIP service (for elevator group)
- ✓ Traffic regulation (for elevator group)
- ✓ Close loop system to monitor motor performance
- ✓ Detection of stuck hall button to skip landing
- ✓ Advance detection of floor before landing
- ✓ Parking system
- ✓ Hand rail in car
- ✓ Automatic Rescue Device (slow speed/high speed)
- ✓ Full collective system
- ✓ Overload protection with display and buzzer
- ✓ In between landing call by pass on full load
- ✓ Car arrival gong and arrow
- ✓ Intercom facility
- ✓ Lift Out of Order display

LOAD		DOOR	CAR-INSIDE		LIFT SHAFT		ENTRANCE	MACHINE ROOM		
PERSONS			DEPTH	WIDTH	DEPTH	WIDTH	ENTRANCE	WIDTH	LENGTH	DEPTH
4	272	Manual	1000	770	1400	1200	760	2400	3000	2400
5	340	Manual	1200	800	1600	1200	760	2600	3000	2400
5	340	Manual	1000	950	1400	1370	760	2600	3000	2400
6	408	Manual	1200	940	1600	1370	670	2600	3000	2400
6	408	Manual	1000	1120	1400	1550	760	2600	3000	2400
8	544	Manual	1400	1040	1800	1470	670	2800	3200	2400
6	408	Automatic	1100	1000	1800	1680	800	2800	3675	2700
8	544	Automatic	1300	1100	1800	1780	800	2800	3775	2700
8	544	Automatic	1430	1000	1900	1580	800	2900	3675	2700
10	680	Automatic	1350	1300	1850	2000	800	2850	4000	2700
13	884	Automatic	2000	1000	2500	1850	900	3500	3850	2700
16	1088	Automatic	2000	1300	2500	2025	1000	3500	4000	2700

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