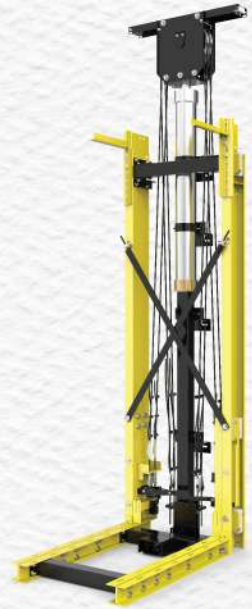




PORTAL ENGINEERING PVT. LTD.



ABOUT PORTAL ENGG. PVT. LTD.

Established in 2006, Portal Engineering Pvt. Ltd. earlier known as Intech engineering is a Mumbai based firm dealing in the manufacturing and production of superior performance high quality car parking frames, vertical telescopic doors, power-packs and other crucial components for elevators and machine tools. Currently we have **2 manufacturing facilities** located in **Navi Mumbai** and **Aurangabad MIDC** with full-fledged infrastructure for in-house manufacturing and testing.

Beginning with a clear vision of serving as a component manufacturing facility for various elevator and car parking system companies, **we did not venture into direct installation / sales to end user**. This way we are able to focus on our core competence of product engineering.

We have established a sound reputation and valuable network in the local and neighbouring markets by providing impeccable quality products and professional services.

Owing to our genuine ideas, innovative solutions and rich industry experience in this domain, we are a preferred partner for various elevator and car parking system companies in India. We are known for:

- **Timely Delivery**
- **Customer-centric Approach**
- **Highly Efficient Team**
- **World Class Quality**
- **Competitive Prices**
- **Prompt Service Support**

We take pride in:

- Fully indigenous designs and concepts.
- Hundreds of hydraulic elevators running successfully with our products.
- Our powder coated cantilever car frame with slack rope safety and accessories make the system look aesthetically superior even in glass enclosures.

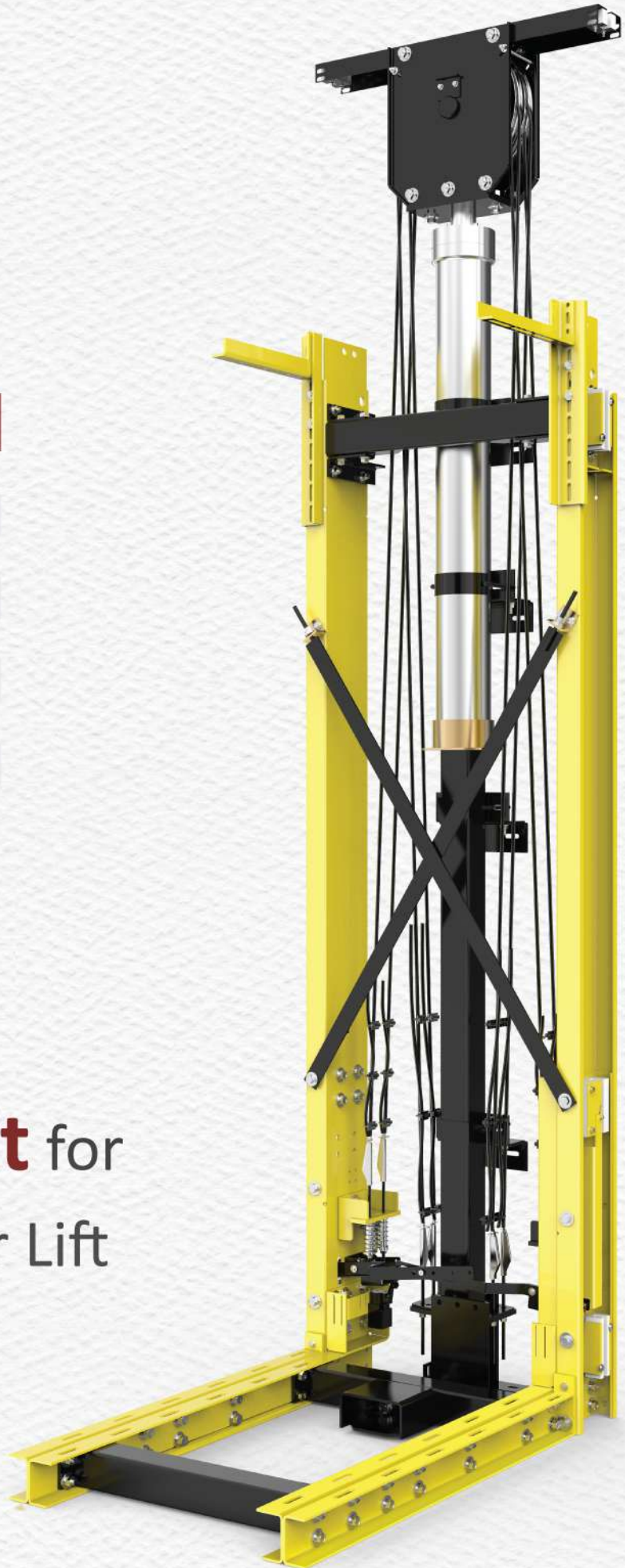
CANTILEVER CAR FRAME

- Powder coated structure finish
- Rigid construction for stable and safe ride
- Suitable for hydraulic & traction lift
- Unique guide shoe for lifelong durability

Available in following DBG & Capacity

500 DBG	3 Passenger
600 DBG	4 Passenger
700 DBG	4-6 Passenger
800 DBG	6-8 Passenger
900 DBG	8-10 Passenger
1000 DBG	10-13 Passenger
1100 DBG	1 Ton
1200 DBG	1 Ton

Hydraulic Kit for Passenger & Car Lift



HYDRAULIC POWER PACK

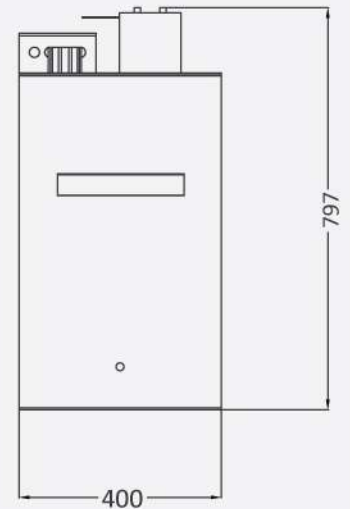
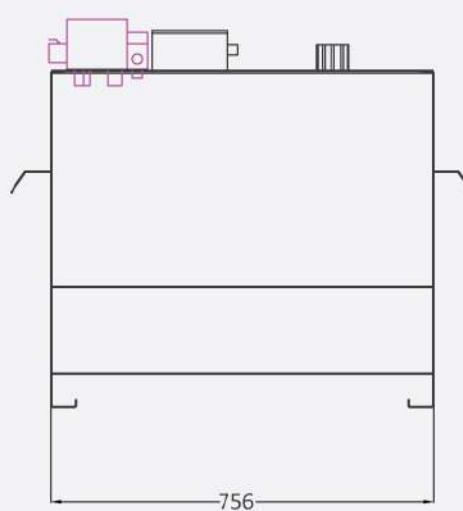
STANDARD SERIES

Dimensions Capacity	Speed Mps	Motor (Kw/hp)	Screw Pump (Lpm)	Operating Current (Amperes)	Valve Blain	Voltage 415v -3 Phase Start
4 Passenger	0.3	3.7/5	37.5	7.8	EV100-3/4"	Dol
4 Passenger	0.5	3.7/5	62.5	7.8		Dol
6 Passenger	0.3	3.7/5	37.5	7.8		Dol
6 Passenger	0.5	5.5/7.5	62.5	10.5		Dol
8 Passenger	0.3	5.5/7.5	62.5	10.5		Dol
8 Passenger	0.5	7.7/10	90.0	13.5		Star-delta
10 Passenger	0.3	7.7/10	62.5	13.5		Star-delta
10 Passenger	0.5	11/15	90.0	22		Star-delta



OIL SUBMERGED SERIES

- Powder coated tank with lifting handles
- Sleek design which occupies minimum space in restricted machine rooms
- Noiseless operation
- Fitted with EV100 Valves from blain for smooth and safe operation
- Screw pumps for noiseless and smooth operation
- Quick delivery time



OIL SUBMERGED SERIES - PASSENGERS

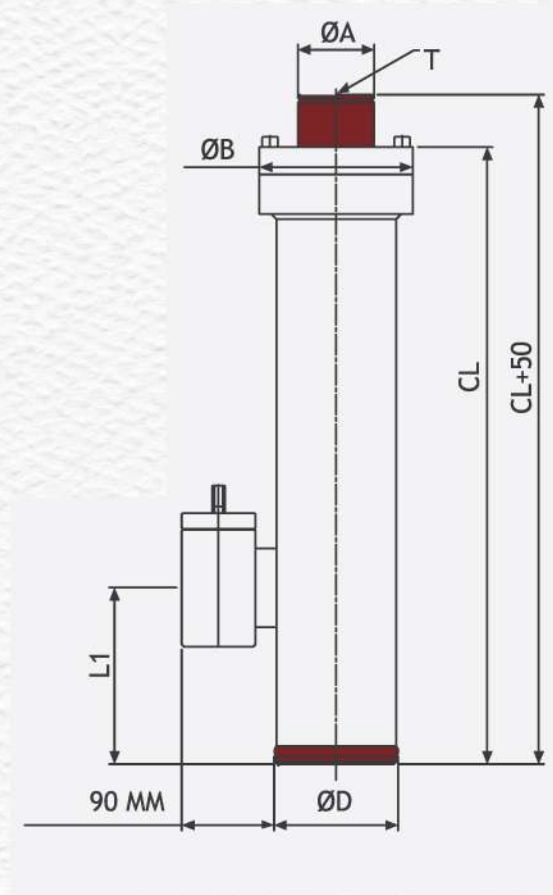
Dimensions Capacity	Speed Mps	Motor (Kw/hp)	Screw Pump (Lpm)	Operating Current (Amperes)	Valve Blain	Voltage	Phase	Cable Section (Sq. Mm)	Weight Of Power Unit (Kg)
4 Passenger	0.3	2.9/4	30	27	EV100-3/4"	230	Single	1.5	70
4 Passenger	0.5	4.7/6.5	75	13		415	Three	1.5	70
6 Passenger	0.5	5.8/8	75	15		415	Three	2.5	75
8 Passenger	0.5	7.7/10.5	100	18		415	Three	2.5	75
10 Passenger	0.5	9.5/13	125	24		415	Three	2.5	75

HYDRAULIC CYLINDER

OIL SUBMERGED SERIES - CAR LIFT/GOODS LIFT

Dimensions	Speed	Motor	Screw Pump	Operating Current	Valve	Voltage
Capacity	Mps	(Kw/hp)	(Lpm)	(Amperes)	Blain	415v -3 Phase Start
2000 Kg	0.2	11/15	100	37.8	Ev100-1.5"	Star-delta
2000 Kg	0.3	14.7/20	125	45.1		Star-delta
2500 Kg	0.2	14.7/20	150	45.1		Star-delta
2500 Kg	0.3	18.4/25	210	57.1		Star-delta
3000 Kg	0.2	18.4/25	180	57.1		Star-delta
3000 Kg	0.3	22.1/30	240	69.1		Star-delta

- Piston with inhouse manufacturing facility
- All Cylinders are tested at 2 times the actual working pressure
- Rupture valve mounting can be customised
- Highly durable poly urathene seals from world renowned brand
- Easy assy and maintenance
- Low lead time



•NOTE: TECHNICAL DETAILS FOR OTHER CAPACITIES AVAILABLE ON REQUEST

Dimensions	ØA	ØD	ØB	CL	L1	T
Capacity	(MM)	(MM)	(MM)	(MM)	(MM)	
4 Passenger	Ø60	Ø90	Ø135	Stroke + 205	160	M 24
6 Passenger	Ø73	Ø114	Ø148		160	M 24
8 Passenger	Ø80	Ø114	Ø157	Stroke + 205	160	M 24
10 Passenger	Ø90	Ø120	Ø170		160	M 24
2 Ton (2 Nos.)	Ø100	Ø140	Ø182	Stroke + 205	160	M 24
2.5 Ton (2 Nos.)	Ø120	Ø165	Ø208		160	M 30

FEATURES



Available in single & twin speed.

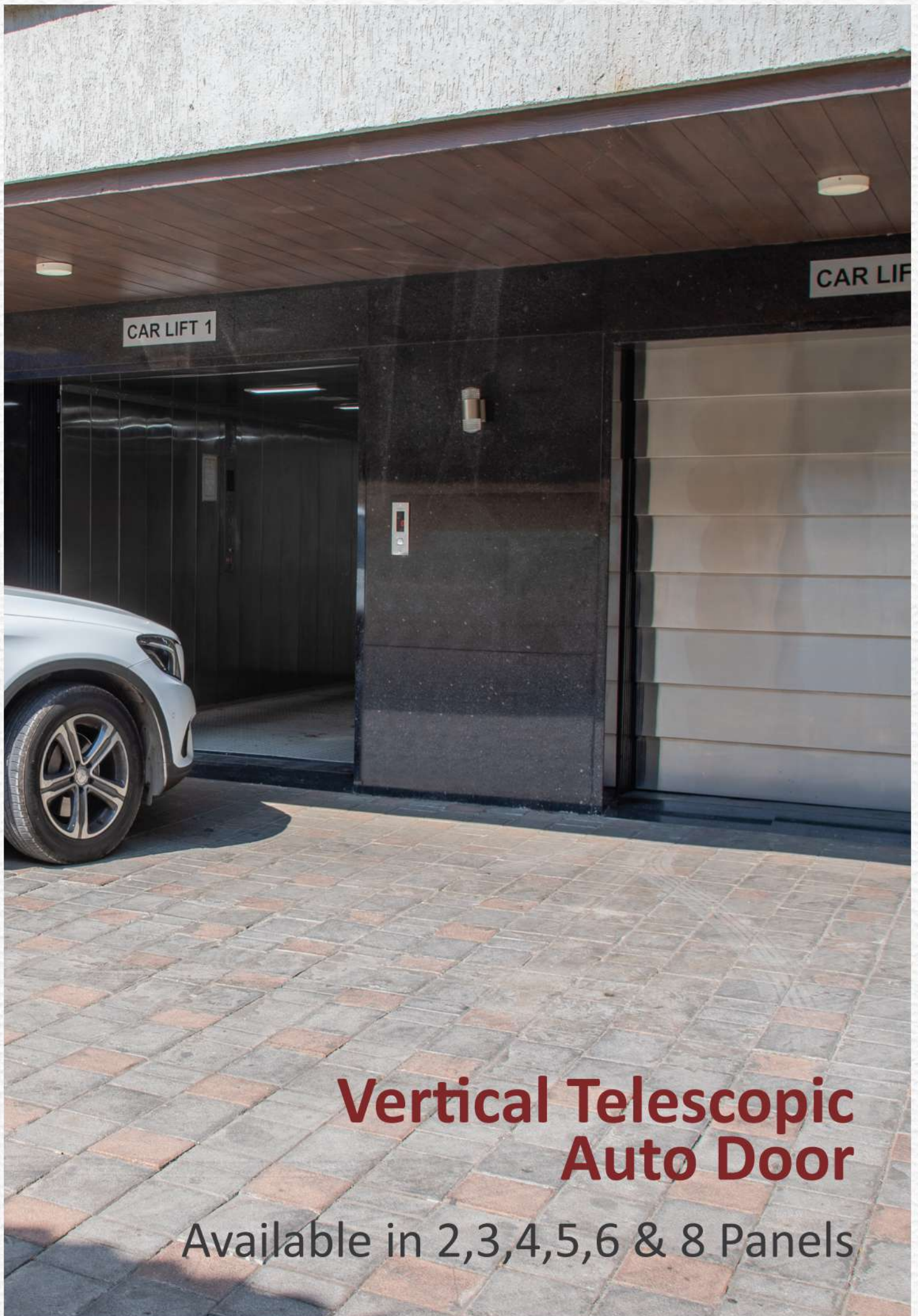
Capacity ranging from 1 passenger to 6 tonnes.
Elevator Control Valves of highest quality from Europe.
Energy efficient oil submerged motors.



Easy availability of spares.
Smooth and trouble free operation.
Customization possible in quick time.

ADVANTAGES

- It requires **very little space**
- Easy to use and maintain and **highly durable**
- Hydraulic lifts are **quiet and smooth** and hence can use in homes and offices.
- It requires **minimum pit & headroom**
- **No power consumption** in descend movement
- Hydraulic lifts are **cheaper to install** than other elevator types.



Vertical Telescopic Auto Door

Available in 2,3,4,5,6 & 8 Panels



Vertical Telescopic Auto Door

- Available in MS and SS material with customized sizes.
- Also available in vision panel.

ADVANTAGES

- It takes **less space** vertically & horizontally.
- No guideways in the bottom-sill so, **no chance of blockage** due to dirt or mud.
- Almost **no maintenance** required.
- Spares are readily available with **on time service.**
- **Customized design** as per requirement.

25000+ Vertical Telescopic Auto Doors

Successfully operational in various automobile and goods elevators across India



Easy and quick installation



Each door has separate motor and gearbox



Worm gear box combined with counter weight for stable functioning



Capacity to deliver any sized order within 2 week



Tested for more than million operations



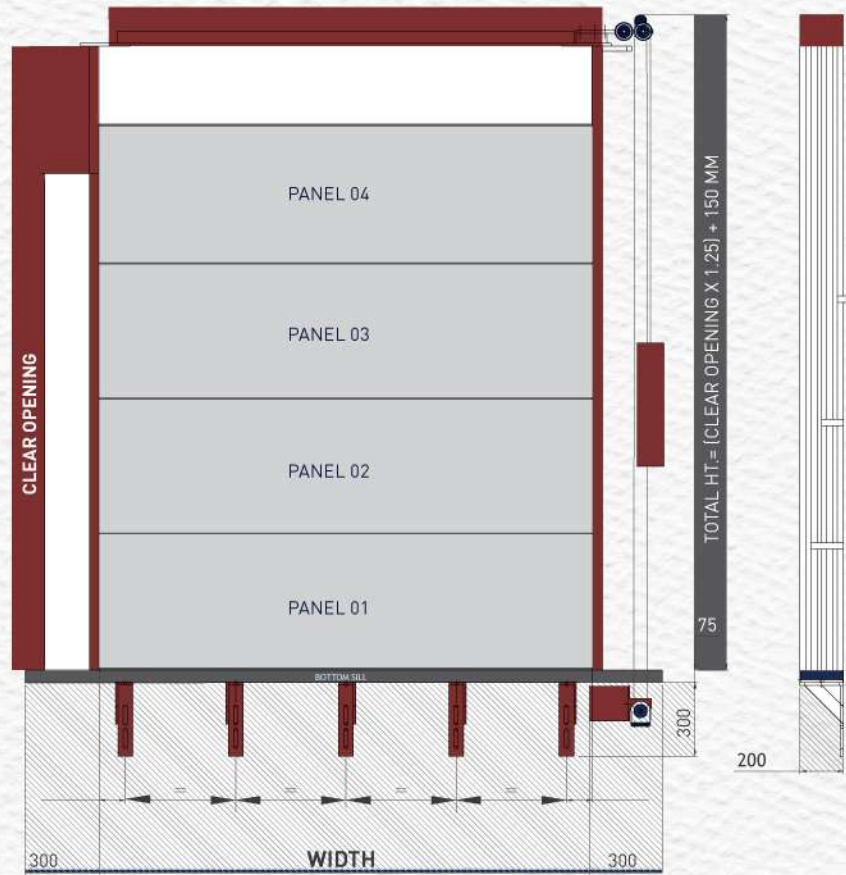
Each door equipped with safety clutch



Best in class finish and after sales support



Equipped with R-CAM operated door lock (on request)



Also available in 2,3,5,6 & 8 Panels

Bi-Parting Door (Dumbwaiter door)

FEATURES

- Available in MS Powder coated & SS 304 Hairline finish
- Available in both manual & automatic operation
- Vision window with glass can be provided on request



Easy and quick installation



Tested for more than million operations



Each door equipped with lock



Best in class finish and after sales support

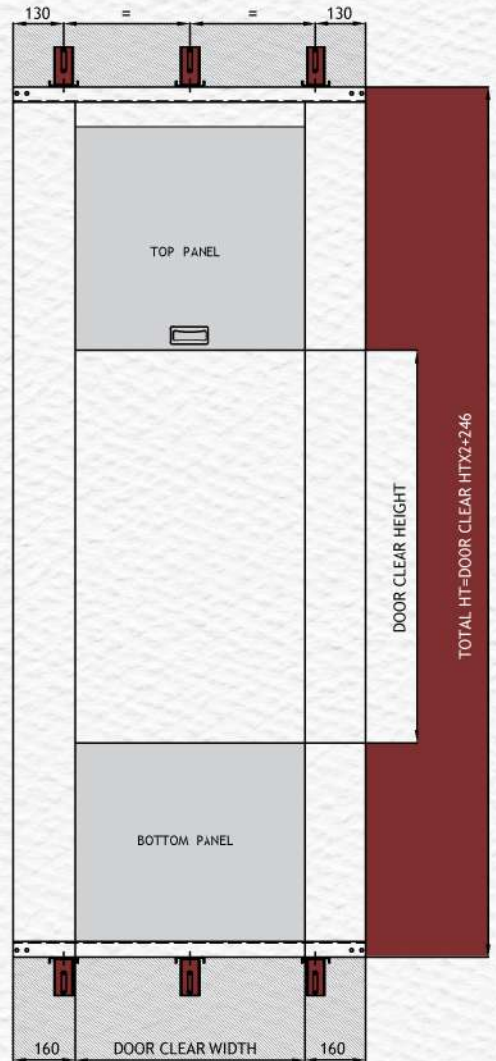
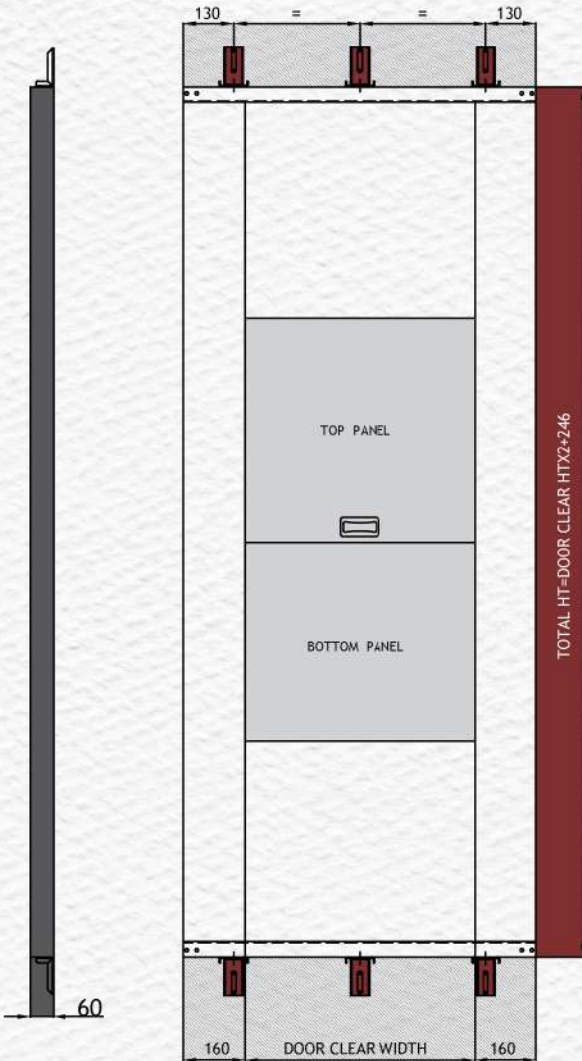


Capacity to deliver any sized order within 2 weeks

SS BI-PARTING DOOR



MS BI-PARTING DOOR





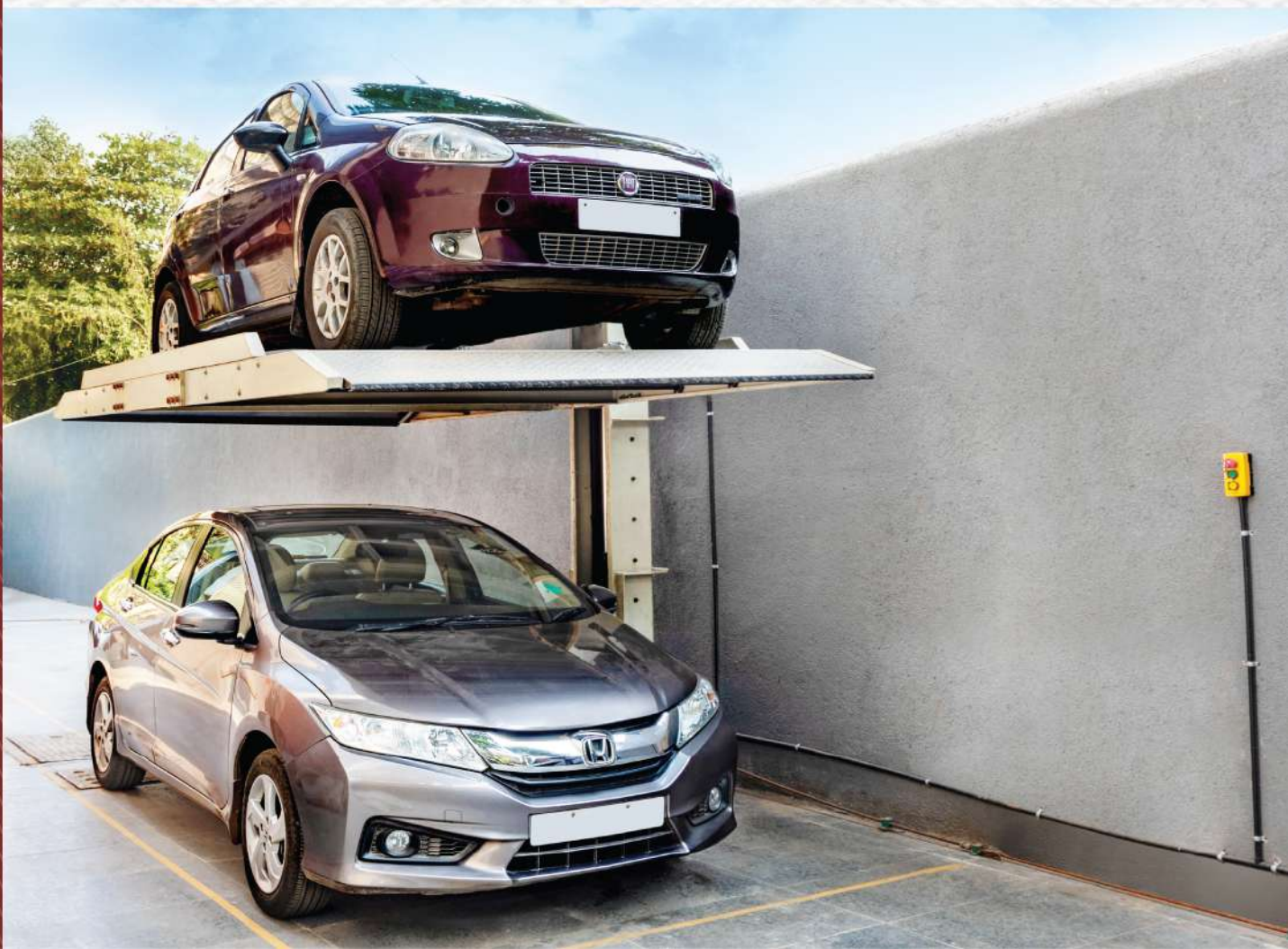
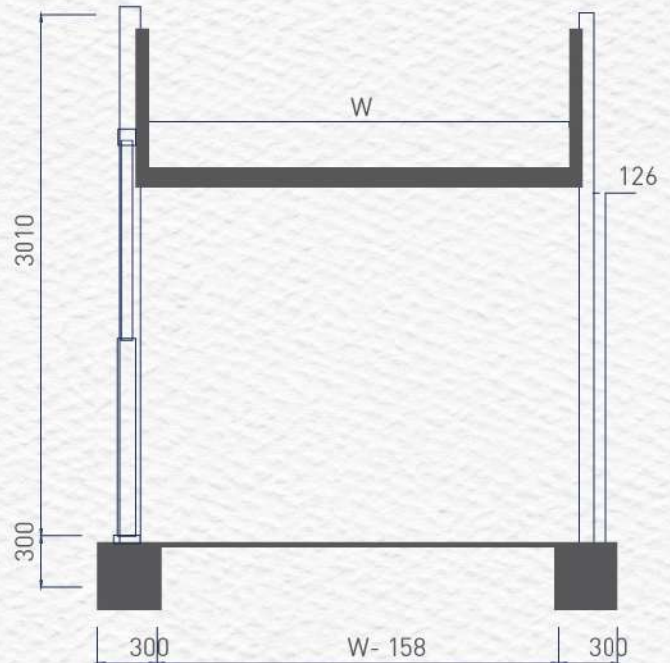
Hydraulic Parking Systems

Hydraulic Stacker Parking System

TWO POST STACKER

Features

- Modular system with nut & bolt ASSY.
- Capacity - 2000 kg.
- Standard sizes - 2200 X 4000 mm.
- Hydraulic cylinder with heavy duty leaf chain transmission.
- Mechanical safety with safety valve on each cylinder.
- Corrugated GI platform with ramp.

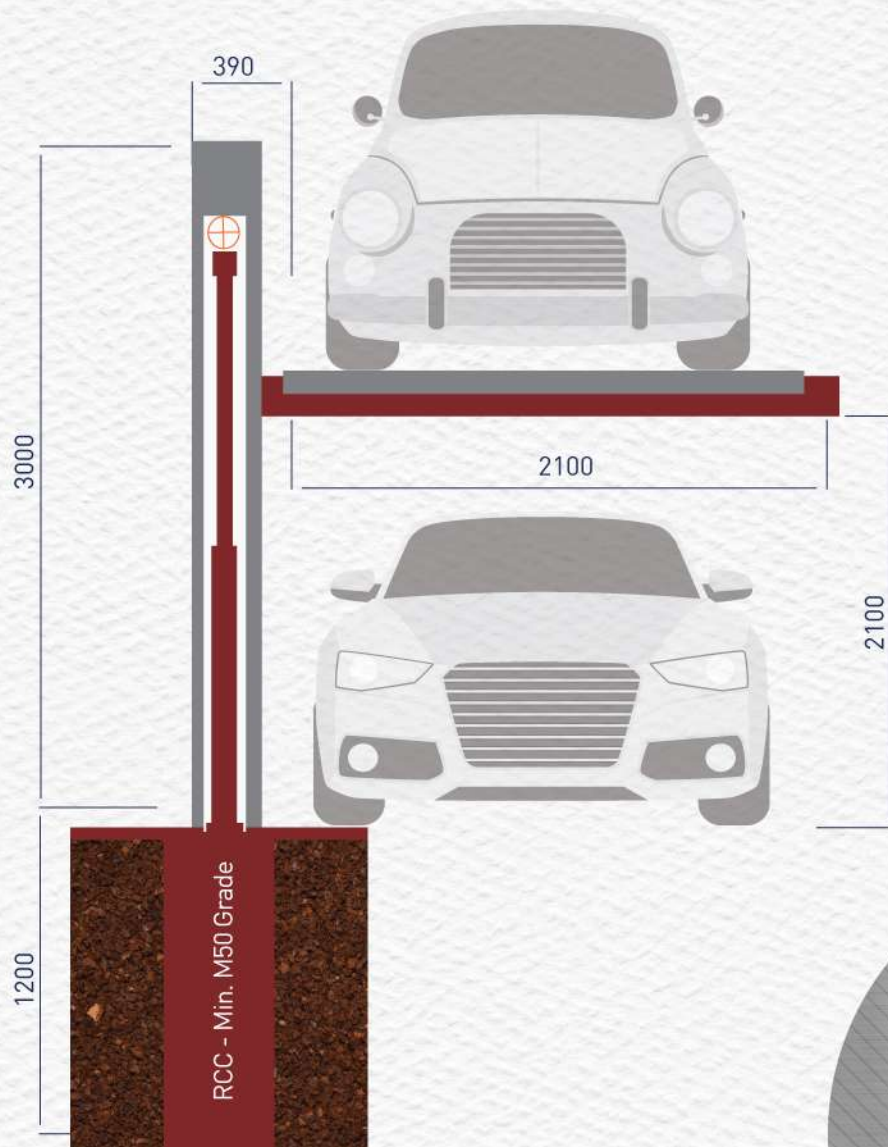


Cantilever Stacker Parking System

Cantilever Stacker	Topmost Level
Platform Sizes (mm)	2300 X 4500
Height Below Platform (mm)	2100
Lifting Capacity (Kg)	2000
Foundation RCC (M50)	1000 X 1000 X 1200 (deep)
Power Pack (HP)	3 HP

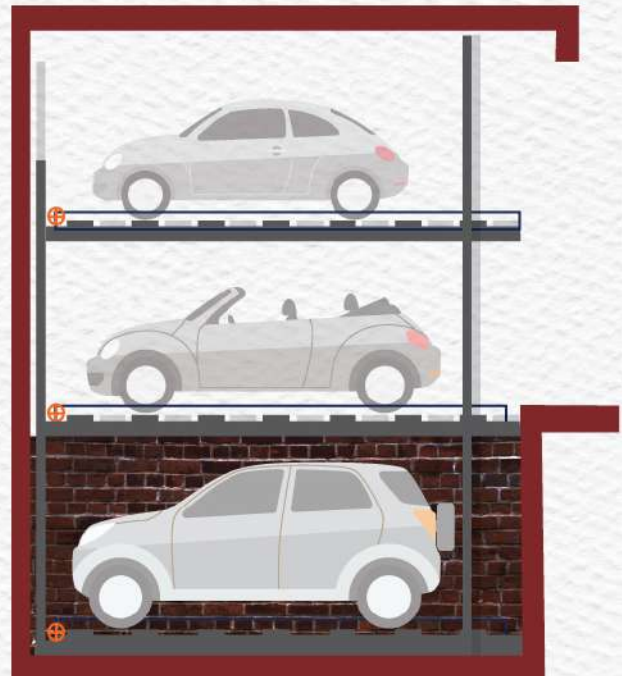
Features

- Smooth and trouble free operation.
- Mechanical safety with safety valve on each cylinder.
- Wide base-plate for maximum stability.



Pit Type Triple Stacker Parking System

Description	Features
Platform size & dimension	Customized according to space availability
Lifting Capacity (Kg)	2000Kg for each platform
Power Pack (HP)	3HP



Stacker power pack

4 Level Pit Type Dependent Parking System

Features

- Modular system with nut & bolt assembly
- Hydraulic system with rope transmission
- Mechanical safety with safety valve on each cylinder
- Retro reflective sensor (IR sensor) provision is given for additional safety
- Smooth & trouble-free operation
- Sizes & finish as per customer requirement.

Description	Features
Platform size & dimension	Customized according to space availability
Lifting Capacity (Kg)	2000Kg for each platform
Power Pack (HP)	3HP



Pit Type Dependent / Independent Parking System

Features

- Hydraulic system with wire rope transmission
- Fully customized system
- Smooth & trouble-free operation.



OUR PRODUCT RANGE

Elevators

- Lift car frame
- Vertical telescopic auto door (for car lift)
- Automatic elevator doors
- Elevator hydraulic power-packs
- Hydraulic lift cylinders
- Car lift cabin
- Hydraulic car lift
- Bi-parting door
- Cantiliver car frame

Parking Systems

- Stacker parking systems
- Hydraulic car parking systems
- Cantilever stacker
- Two level stacker
- Three level stacker
- Bike Parking systems

OUR PRESENCE

Agra	Bangladesh	Bengaluru	Chennai
Delhi	Hyderabad	Indore	Jaipur
Kolkata	Mumbai	Nepal	Pondicherry
Pune	Sri Lanka	Vellore	Vizag
Canada	Dubai	Cuttack	Coimbatore

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