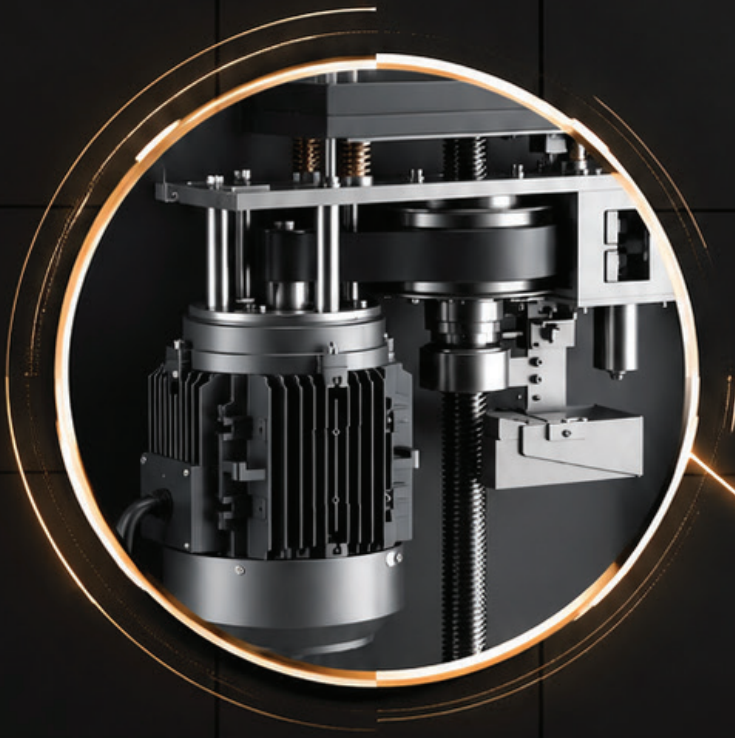


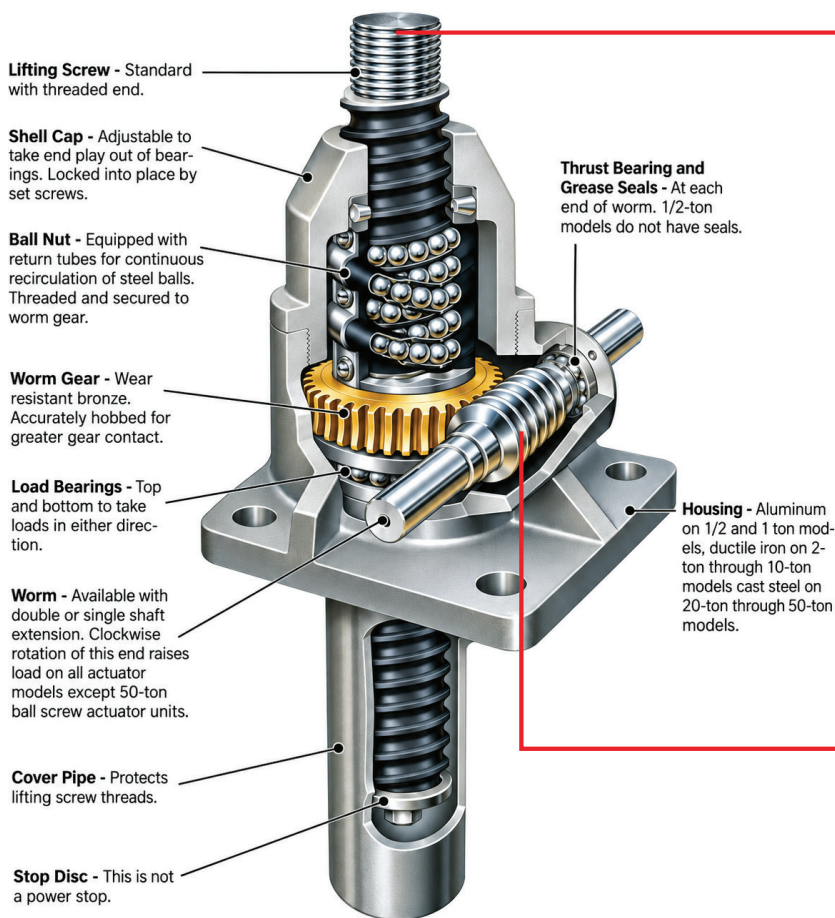


Premium Screw driven Home Lift



What is Screw driven Home Lift ?

A **screw-driven elevator** uses a rotating screw and nut mechanism to move the lift platform smoothly. Unlike traditional elevators that require a deep pit, overhead shaft, or bulky machine room, these lifts are compact, clean to install, and perfect for Indian homes, especially in retrofit or space-sensitive settings.



Linear Motion



Rotary Motion

Technical Data Sheet & Specifications

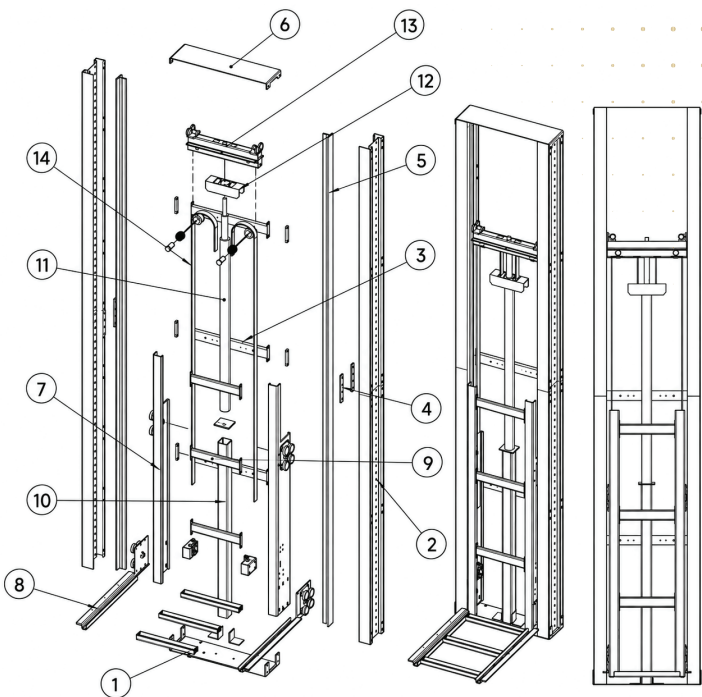
1. SYSTEM ARCHITECTURE & DRIVE MECHANISM

High-Efficiency Screw Drive

Features a continuous precision steel screw shaft driven by a VFD motorized drive nut assembly for smooth operation at **0.3 m/s operating speed**.

Self-Locking Safety System

Engineered geometry provides mechanical self-locking capabilities, completely preventing back-driving or free-fall without requiring dynamic brake stop switches.



2. HIGH-SPEED TECHNICAL DATA SHEET

PARAMETER	SPECIFICATION / TECHNICAL VALUE
Maximum Travel Height	Up to 11 Meters (Servicing 2 to 4 stops / G+3 floors)
Door Configuration	Automatic 4-Fold Glass Doors (Center-Opening / Telescopic Folding)
Door Actuation	Motorized High-Speed Operator with Synchronized 4-Panel Motion
Rated Speed	0.3 m/s (Enhanced High-Speed Configuration with VFD Soft Start/Stop)
Pit Depth Requirement	150 mm–200 mm (Accommodates bottom door drive mechanism & buffers)
Payload Capacity	300 kg–500 kg (Rated up to 6 persons)
Power Requirements	2.2 kW–3.0 kW AC (1-Phase 230V / 3-Phase 400V) VFD Inverter Driven
Headroom Requirement	Minimal overhead clearance (1200 mm–2300 mm at top landing)
Operational Noise Level	< 50–55 dB(A) silent operational profile

Features

Steel Plate Bending Track



Reduced welding and splicing improve structural strength, bending and compression resistance while minimizing connection defects. Ensures precise coordination between the structure and elevator car for enhanced reliability, durability, and performance.

Special Nylon Wheels



High wear resistance ensures reliable performance during long-term operation while reducing maintenance and replacement frequency. Durable construction maintains load-bearing capacity and provides sufficient toughness to absorb operational impacts and vibrations.

Multiple Safety Protection Devices



Multiple safety systems, including emergency braking, limit switches, and anti-fall protection, provide immediate response during emergencies. These integrated mechanisms enhance operational security and help protect users throughout elevator operation.

Control Button



Ergonomically positioned controls provide convenient and intuitive operation for users. The fixed installation height offers comfortable accessibility, while the simple button layout ensures easy, reliable, and straightforward operation for everyday use.

Anti-Slip Countertop



Diamond-patterned surface provides enhanced grip and slip resistance during operation. A durable carbon-steel bottom panel offers structural stability, while the anti-slip material coating ensures a secure, practical, and long-lasting working surface.



Cabin Design & Decoration



TK-01

Ceiling:
Hairline Stainless Steel +
Acrylic + Downlight

Side Walls:
Aluminium Alloy Frame +
Tempered Glass

Back Wall:
Mirror Stainless Steel +
Etching

Floor:
PVC



TK-02

Ceiling:
Hairline Stainless Steel +
Acrylic

Side Walls:
Aluminium Alloy Frame +
Tempered Glass

Back Wall:
Hairline Stainless Steel +
Mirror Etched Stainless Steel

Floor:
PVC



TK-03

Ceiling:
Titanium Mirror Stainless
Steel + Acrylic + Downlight

Side Walls:
Titanium Stainless Steel

Back Wall:
Titanium Mirror Stainless
Steel + Etching

Floor:
PVC



TK-04

Ceiling:
Titanium Mirror Stainless
Steel + Acrylic + Downlight

Side Walls:
Titanium Stainless Steel +
Titanium Mirror Stainless
Steel Etching

Back Wall:
Titanium Stainless Steel +
Titanium Mirror Stainless
Steel Etching

Floor:
PVC

Cabin Design & Decoration



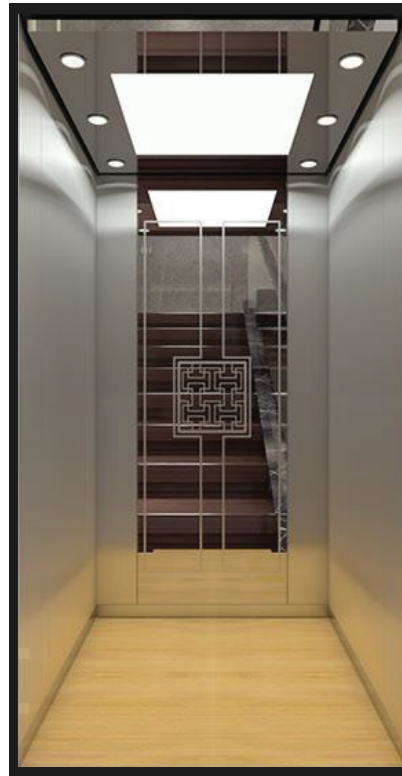
TK-05

Ceiling:
Rose Gold Stainless Steel + Acrylic

Side Walls:
Rose Gold Stainless Steel

Back Wall:
Rose Gold Mirror
Stainless Steel + Etching

Floor:
PVC



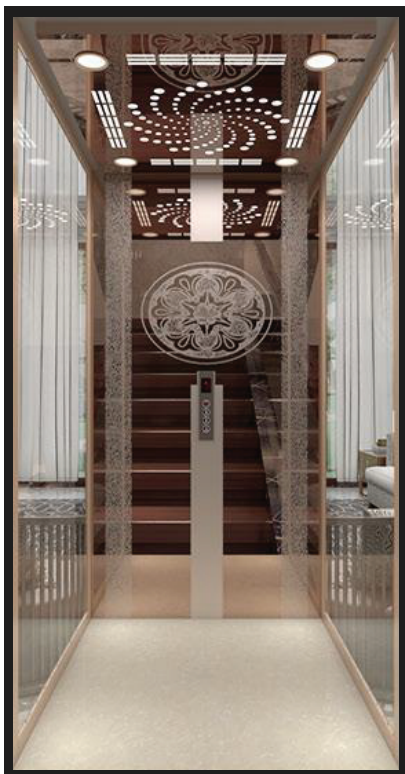
TK-06

Ceiling:
Mirror Stainless Steel + Acrylic + Downlight

Side Walls:
Hairline Stainless Steel

Back Wall:
Hairline Stainless Steel + Mirror
Stainless Steel Etching

Floor:
PVC



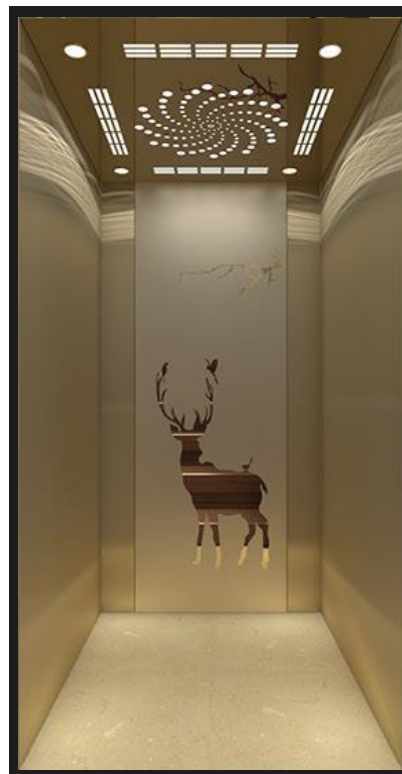
TK-07

Ceiling:
Rose Gold Mirror Stainless Steel + Acrylic + Downlight

Side Walls:
Sightseeing Glass

Back Wall:
Rose Gold Mirror
Stainless Steel + Etching

Floor:
PVC



TK-08

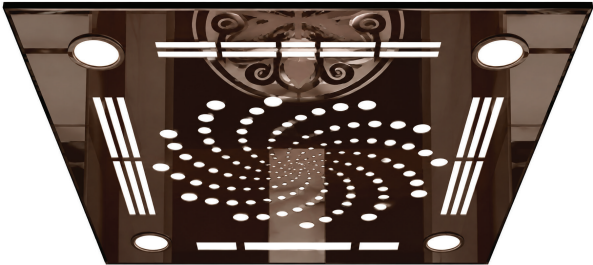
Ceiling:
Titanium Gold Mirror
Stainless Steel + Acrylic + Downlight

Side Walls:
Titanium Gold Stainless Steel

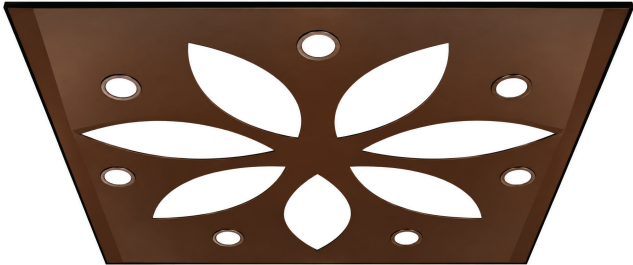
Back Wall:
Titanium Gold Stainless Steel + Titanium Gold Mirror
Stainless Steel Etching

Floor:
PVC (Optional Marble)

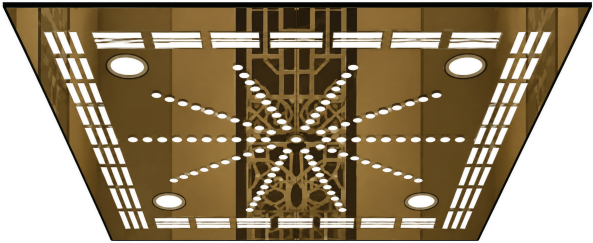
Ceiling Light Style



TK-01



TK-02



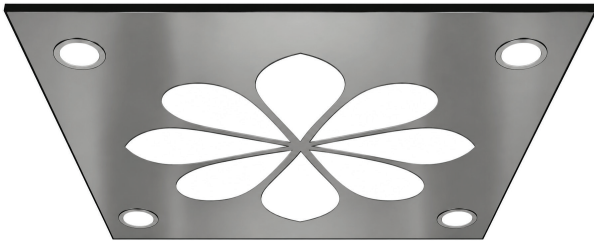
TK-03



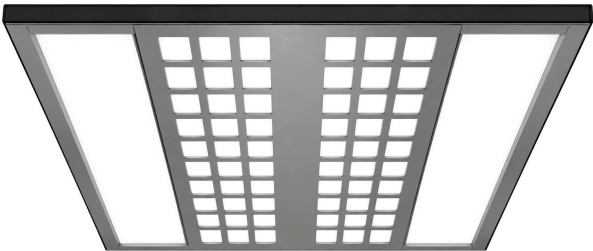
TK-04



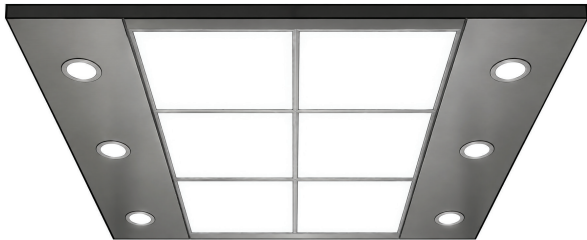
TK-05



TK-06



TK-07



TK-08

Flooring Style



TK-01



TK-02



TK-03



TK-04



TK-05



TK-06



TK-07



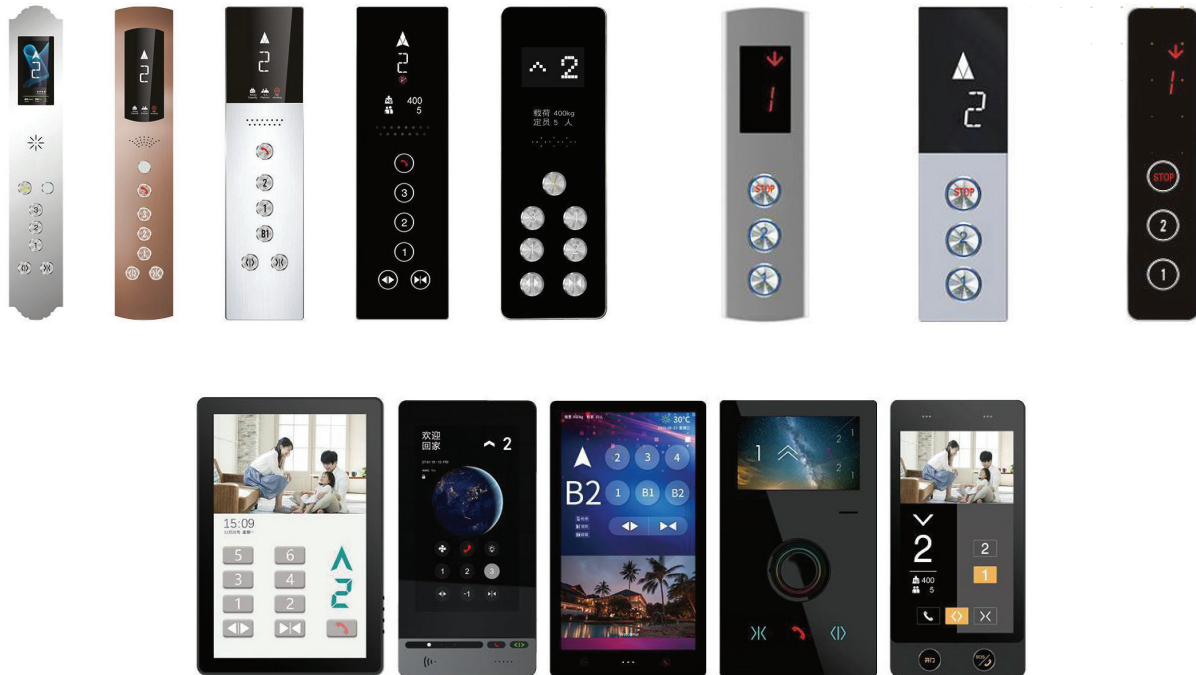
TK-08



TK-09

COP & LOP Designs

1. COP's

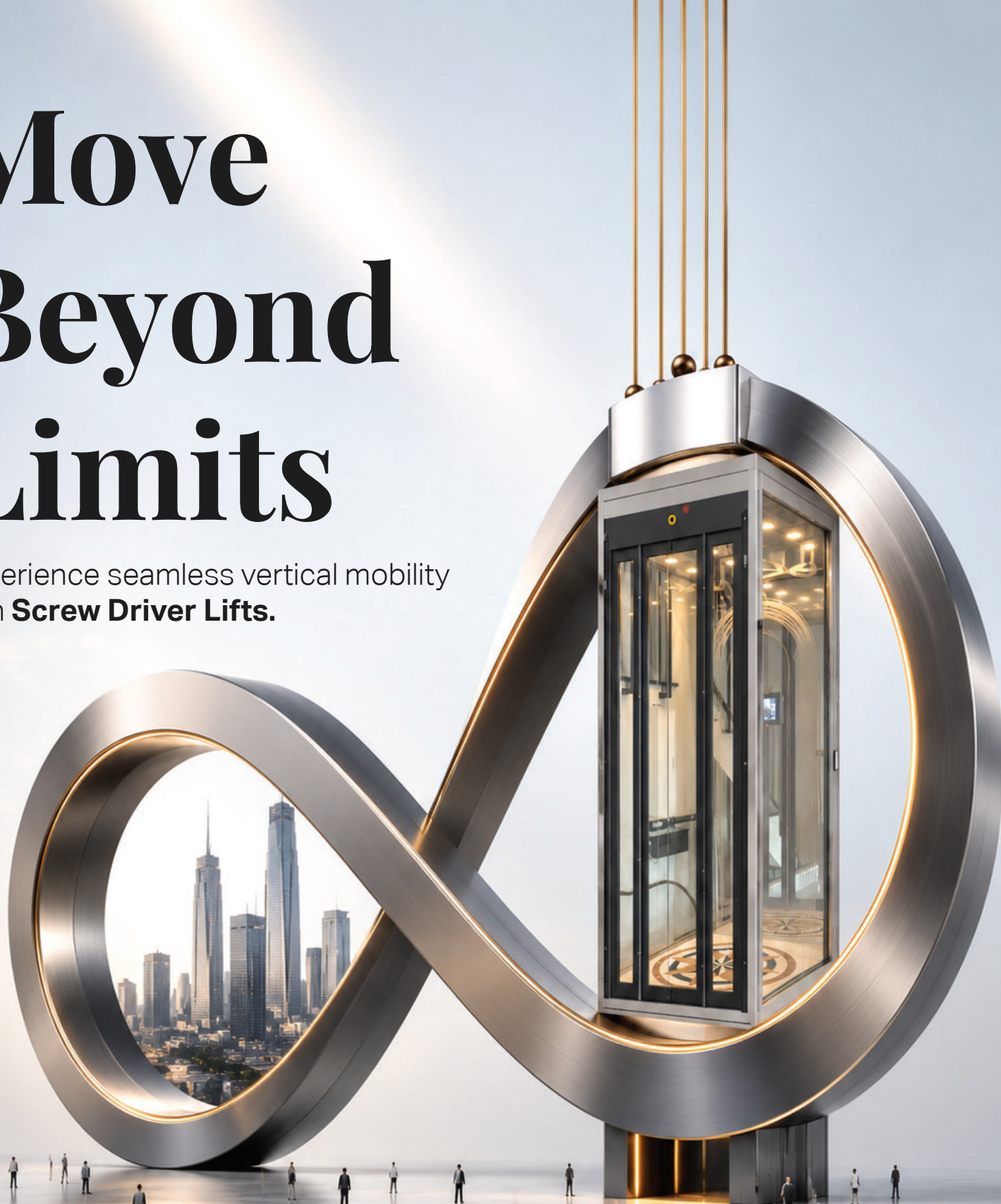


2. LOP's



Move Beyond Limits

Experience seamless vertical mobility
with **Screw Driver Lifts**.



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