



Trust
STERNKOHLER
to elevate
your
Success

STERNKOHLER
ELEVATOR & ESCALATOR
GERMAN TECHNOLOGY
www.sternkohler.com



VISION

To be the first choice of vertical transportation solution provider.

MISSION

Providing the best possible solution to our customers by maintaining high quality performance, perfection and precision in all what we do.

WHAT WE DO

Sales and Installation

Lift Modernization

AMC

PRODUCTS

Elevators

Home Lift

Escalator



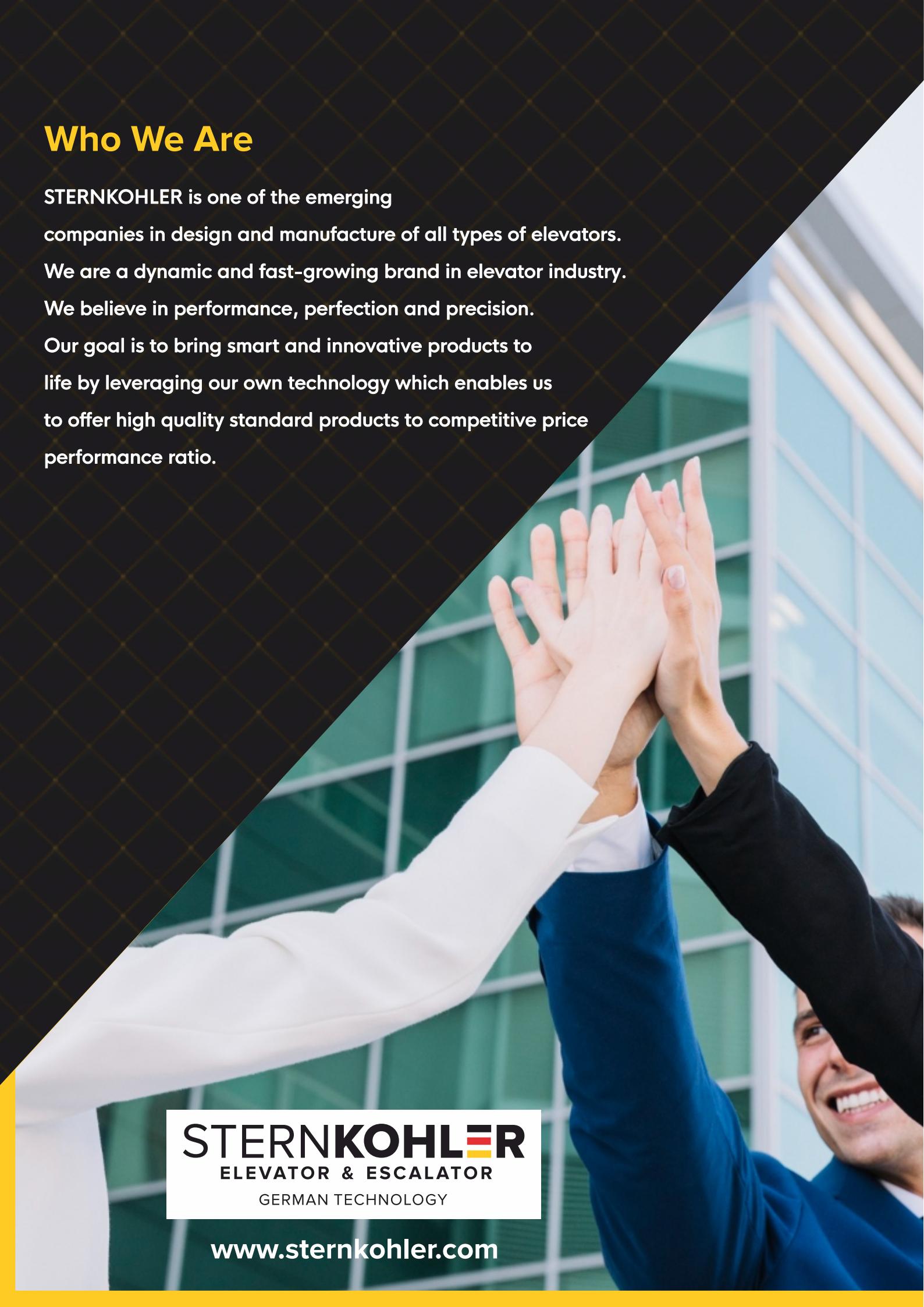
Who We Are

STERNKOHLER is one of the emerging companies in design and manufacture of all types of elevators.

We are a dynamic and fast-growing brand in elevator industry.

We believe in performance, perfection and precision.

Our goal is to bring smart and innovative products to life by leveraging our own technology which enables us to offer high quality standard products to competitive price performance ratio.

A photograph showing two people from the waist up, both wearing business attire (one in a white shirt, one in a blue sweater). They are both smiling and have their hands raised in a high-five. The background is a modern building with large glass windows.

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STERNKOHLER FEATURES

STERNKOHLER strives to make energy efficient and environmentally conscious products so that we can do our bit to help the state of Earth to improve and conserve as much energy we can which at the end helps our users and ultimately our world.



Customized Design

Choose a interior design from our ready to pick Preconfigured cars or make a choice and create your own concept from the range of materials available.



Green Technology

STERNKOHLER reduces your power consumption upto 60% by using high efficiency gearless permanent-magnet synchronous machine. Moreover comes with Dti or designated torque injection which helps in saving additional power compared to other gearless elevators.



Smoothen Ride

STERNKOHLER elevators are equipped with multi-computer based close loop integrated drive system which helps in smoothest start/stop for extra comfort.



Designated Torque Injection

Designated torque injection technology in the controller uses feed back received from the load sensor and supplies the exact voltage and frequency to motor required at that instance which in turn saves power & gives a smoother ride.



Hibernation Function

When on idle standby mode, STERNKOHLER elevator goes into hibernation function, where the power consumption reduces by 80%, and starts up immediately on call registration.



Environment Friendly

STERNKOHLER is an elevator for greener buildings. In addition to the energy advantage, STERNKOHLER gearless motor requires no lubrication and zero maintenance.



Low Headroom Height

Another outstanding feature of the STERNKOHLER is the low headroom height, which adds space for you to use. also, this elevator requires no machine room, and that's completely hassle free & space saving.



Direct Landing System

STERNKOHLER comes with direct landing system which completely expels the need for creeping speed by using rotary encoder for leveling.





Machine Roomless Application

Reduces the construction cost, offers extra usable Space & enhances the elevation by reducing the height of the building



Servo Magnet Synchronous Motor

For the smoothest start & stop with lowest power Consumption



Microcontroller With IOT

Microcontroller inbuilt with IOT based operating System, helping reduce repetitive breakdowns and Helps in predicting the future breakdowns & enhance The health of the elevator



Rotary Encoder

Rotary encoder to give real time RPM feedback to the controller which helps in precise levelling and smooth start/stop of the elevator with enhanced safety of passengers



SMT

Surface mount technology enhances the reliability and scalability.



Highly Reliable Safety System

STERNKOHLER controller is designed with actel class FPGA chip based safety circuit. This type of circuit is normally used in airplane industry for failure-proof safety activation.



PWM Technology

Our machine comes in built with pwm dead time compensation technology & dynamic pwm carrier modulation technology to reduce motor noise & motor energy losses



Ultra Fast Processor

Extremely fast integrated control system developed on Cortex m4 mcu, to give the most reliable & ultra high Speed processing



Direct Landing Technology

Expels the need for creeping speed and gives a Complete smooths curve for extra riding comfort



Ultra Heavy Duty Vertical Drive System

STERNKOHLER comes with first in class ultra heavy duty guide rail system, with increased guide rail thickness for extra support and ultra smooth ride and longevity of the elevator



Sorbothane

Sorbothane based guide shoes for super silent & vibration free elevator move-ment.



Continuous Automatic Lubrication

Continuous automatic lubrication system for smoothest ride every time.



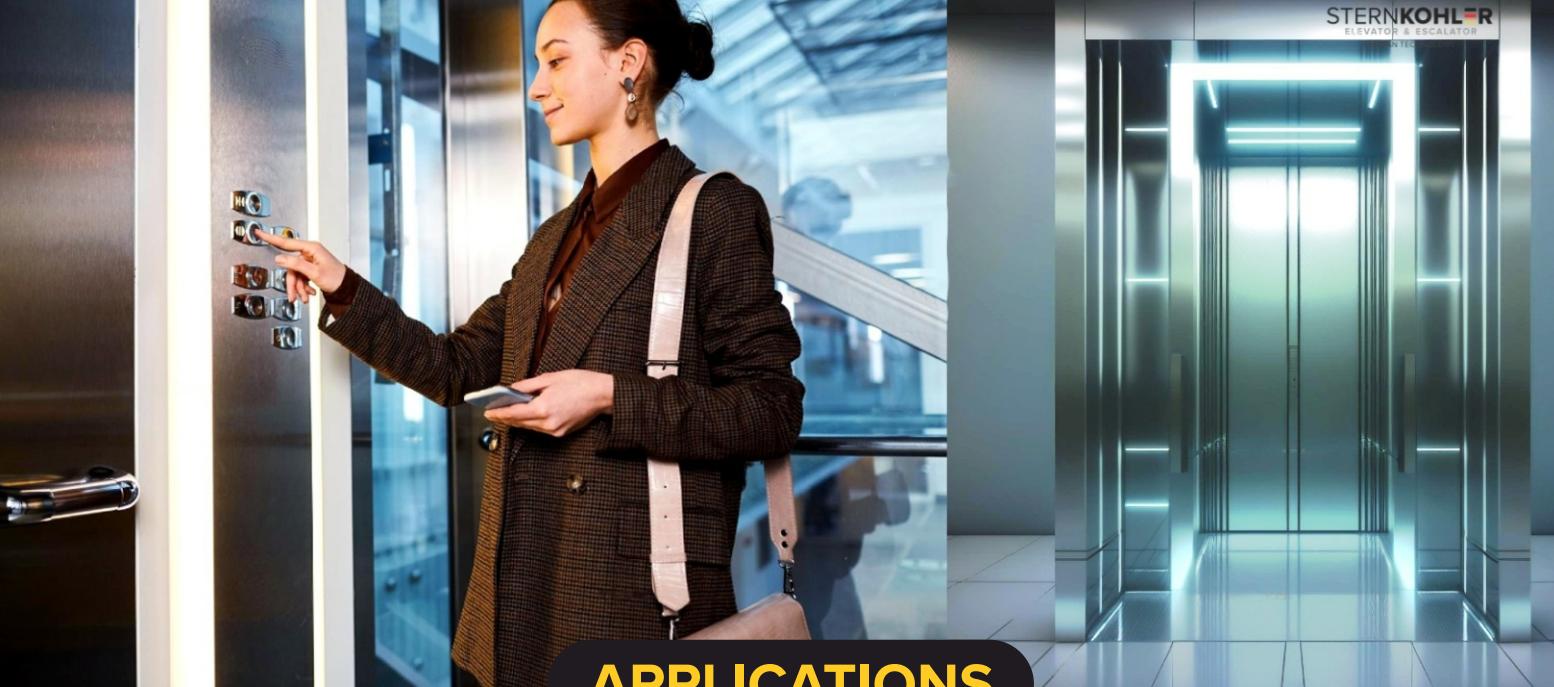
Monomer Cast Polamide Transmission Sheave

Stern kohler elevators are pre-fitted with monomer cast Polamide sheaves which reduce the noise levels due to Friction & thereby increasing the life of ropes by upto 50%



PMS Door Motor

Permanent magnet synchronous motor based door operating for ultra low power consumption & longer life



APPLICATIONS

STERNKOHLER manufactures a full range of gearless, machine-roomless elevator supplied to India by the subsidiaries of European manufacturers to meet the global standards. We have become India's one of the emerging elevator company with unique engineering capabilities. Which covers a wide range of loads, sizes, speeds, applications and possibilities providing the best solution for any vertical transportation needs.

Residential Building



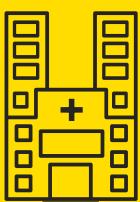
STERNKOHLER premium home lift range is the ideal solution for residential buildings due to its quality, durability, passenger safety and comfort.

Modernization Of Existing Elevators



Existing buildings have smaller elevator spaces but STERNKOHLER has a state-of-the-art capability to replace your existing elevator with our gear-less MRL elevator which has more energy saving and space efficiency.

Hospitals



STERNKOHLER provides various reliable and customized solutions for hospitals so that hospitals can move their patients and medical equipment safely and silently.

Shopping Complex



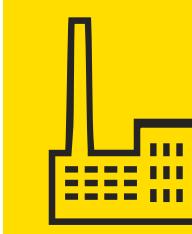
STERNKOHLER are very suitable for carrying passengers and goods in shopping malls. Our Elevator is equipped with a smart system which helps to reduce the waiting time for the passenger.

Commercial Buildings



STERNKOHLER offers various solutions capable of solving any needs for high volumes of passenger traffic in office and commercial buildings by optimizing traffic management.

Industrial Buildings



STERNKOHLER is designed to offer the best performance carrying large loads in industrial facilities. It's robust, durable, reliable and durable for the performance.



Regenerative Technology

Regenerative technology, uses up to 75% less energy than a conventional geared elevator while producing power with lower harmonic distortion, minimizing the impact on the building's electrical system.



LED Lighting

LED illumination, standard on the Elevator, reduces energy consumption and lasts up to 10 times longer than conventional fluorescent lamps.



Standby Mode

Lights and fans are shut down when there's no demand, making the LED lighting up to 75% more efficient than conventional lighting. The system seamlessly springs back to life with the press of a call button.



Lubrication

The machine requires no additional lubrication, eliminating the need for storage, cleanup and disposal of hazardous waste.

COMFORT

STERNKOHLER is committed on making elevator travel as comfortable it can be for our passengers and make them enjoy the ride.



REDUCED NOISE

STERNKOHLER has tried to ensure that the passenger is travelling in utmost comfort by making a elevator so silent that you can ride in with mental peace.



INTEGRATED DRIVE TECHNOLOGY

Integrated Drive in STERNKOHLER ensures that the Elevator accelerates or decelerates in a smooth S curve to provide smooth and comfortable ride to the passenger.



RELIABILITY

At STERNKOHLER our utmost priority is to make the elevator travel as safe as possible. We have put in all the features that can make your travel safe and sound.



Shaft Scan

Shaft scan system monitors the elevator shaft and checks for any irregularities to ensure safe and secure transport every time elevator moves.



Automatic Resuce

Battery powered rescue operation keeps passenger safe and arrives to the nearest floor in a case of power failure.



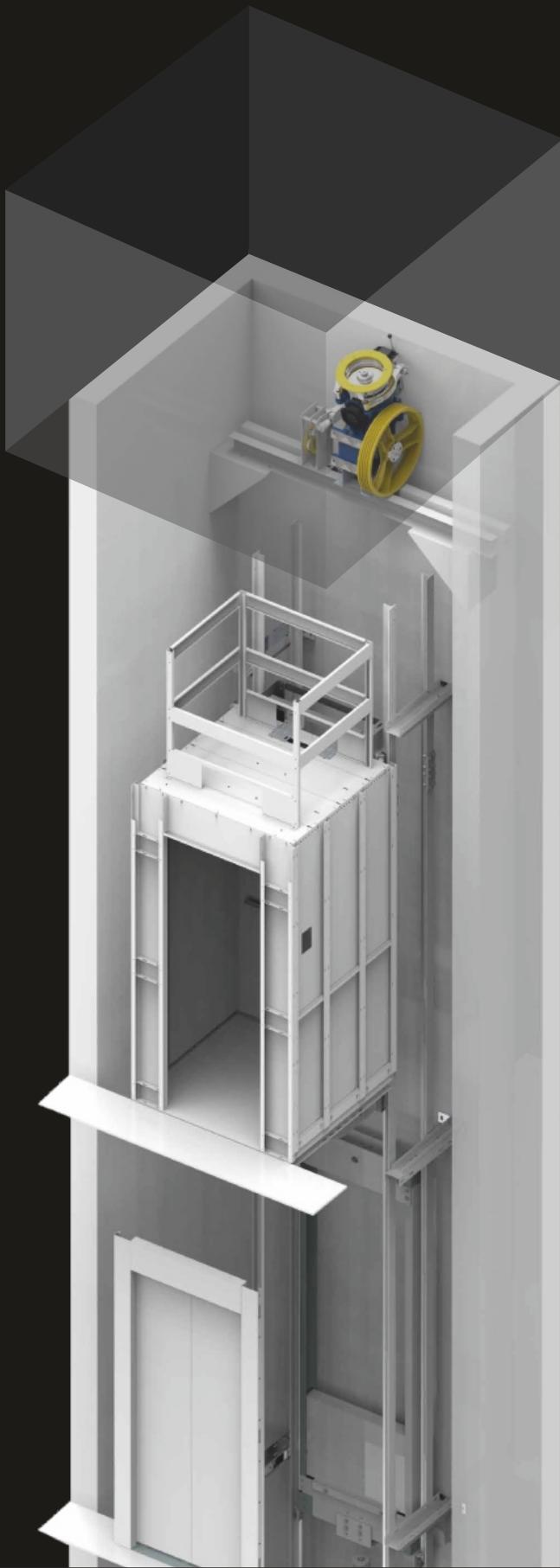
Remote Monitoring

Remote Monitoring helps us to point out special problem in the system, so that the downtime of the elevator while servicing reduces dramatically.



Safety System

STERNKOHLER uses a series of infrared beams to reopen the door, if anything comes in the line of beams the door will not close.



MRL ELEVATOR

STERNKOHLER Machine room-less passenger elevator cancels the machine room and reduces total area of elevator equipment and flexibly utilizes the effective space. It has a stronger contemporary sense and the more beautiful construction outline.

ADVANTAGES

Architecture Building Design

STERNKOHLER Machine Room-less (MRL) elevator allows the building to be free from unsightly construction on the roof and provides more flexibility including design.

Construction Cost Savings

Our MRL solution allows the owner to save on construction work and materials. It also leads to reduction of the total building cost.

SPACE SAVINGS

The structural design improves the net space of the car in any given hoist-way and provides more rental areas within the building.

Energy Savings

The compact motor design not only uses a lower initial electricity load but it also consumes less energy than a conventional geared system.

MACHINE ROOM LESS GEAR-LESS ELEVATOR



ADVANTAGES

STERNKOHLER Elevator are equipped with regenerative technology. Regenerative technology, uses up to 75% less energy than a conventional geared elevator while producing power with lower harmonic distortion, minimising the impact on the building's electrical system and giving back power to the main grid.

SPACE SAVINGS

Our Elevator is made for space saving. The elimination of machine room saves lot of space and the construction cost and moreover our package needs minimal hoist way overhead.

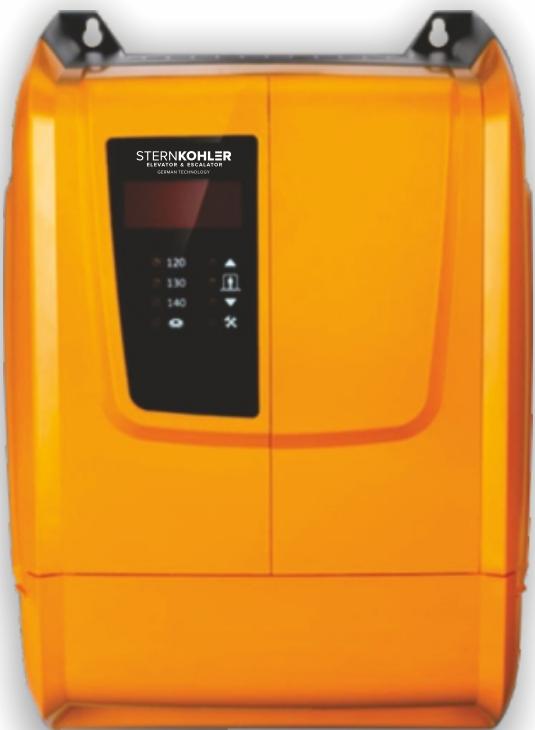
SIMPLE & COST EFFECTIVE INSTALLATION

Our elevators are installed in a very quick and cost-effective manner. Our Process of installing the machine is simplified to an extent that it makes the installing a very less consuming task.

THERMISTOR TECHNOLOGY

Our elevators are equipped with thermistor technology in which temperature relays can be used to monitor the temperature of the motor (by built-in thermistor) and shut down if the temperature exceeds a set-point.

INTEGRATED CONTROL UNIT



FEATURES

- Car positioning with motor encoder
- Independently operated 2 car entrances
- Evacuation operation:
 - By using a manophase 220VAC UPS
 - To the nearest or specific floor
- Incremental encoder (5V TTL OR 10-30V HTL) or absolute encoder
- Automatic auto-tuning, shaft learning and control gain calculation
- Rollback prevention at start through pre-torque and anti rollback functions
- Re-levelling and door pre-opening
- High stopping accuracy
- Programmable inputs-outputs in all peripheral units
- Stand-by mode

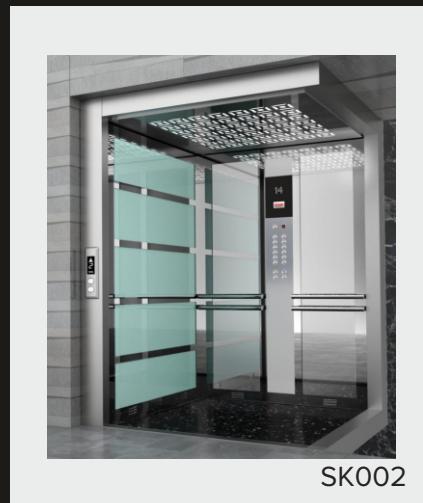
ADVANTAGES

- Excellent travel comfort thanks to direct landing
- Shorter travel time in comparison to standard VVVF systems.
- Energy Saving modes
- Full Synchronization
- Compact modular design
- Simple and fast installation Easy update

ELEVATOR CABINS



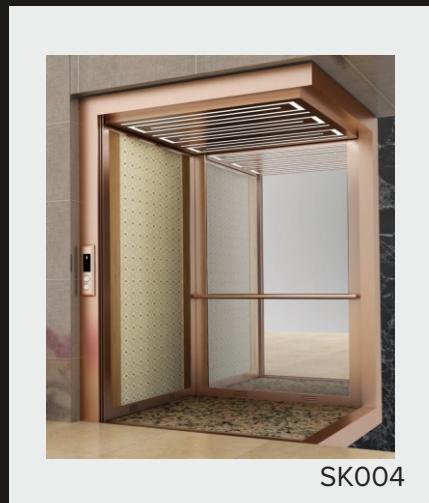
SK001



SK002



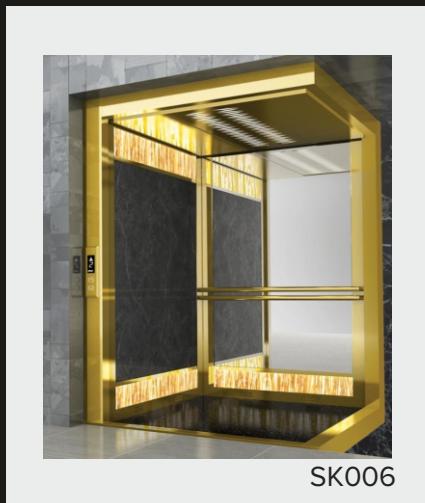
SK003



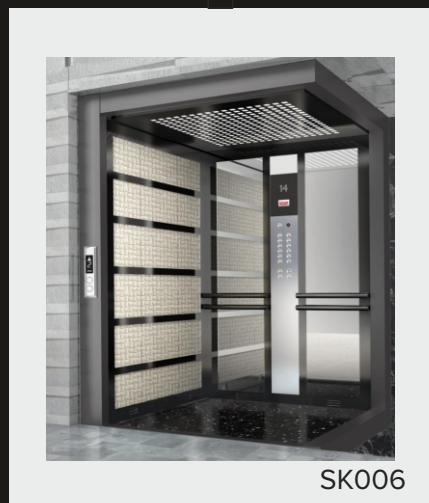
SK004



SK005



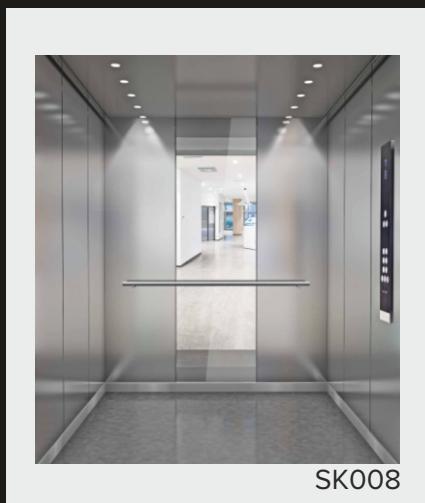
SK006



SK006

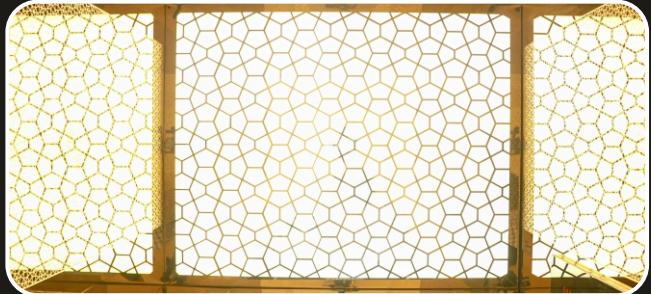
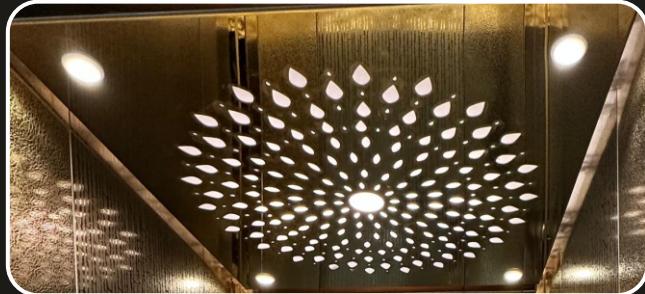


SK007



SK008

Lift Falls Ceiling



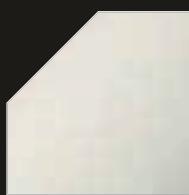
CAR DECORATION



Silica Grey (Standard)



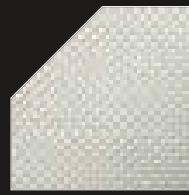
Leather D 42
AISI 304 2R(BA)



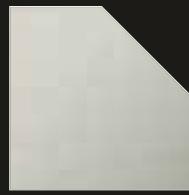
Inox mirror n°7
AISI 304 2R (BA)



Etched Stainless Steel



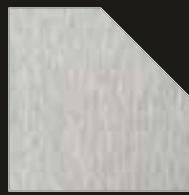
Linen D 25
AISI 304 2R(BA)



Hairline
AISI 304 2B



Etched Stainless Steel



Satin Finish Grit 320
AISI 441 2B

COP (CAR OPERATING PANEL)



SS Gold Mirror

SS Hairline

SS Rosegold Mirror

COP Size: 500 mm X 200 mm

ESCALATORS

Our Escalators seamlessly blend comfort, safety, functionality, and aesthetics.
Designed for both indoor and outdoor applications

STERNKOHLER

ELEVATOR & ESCALATOR

GERMAN TECHNOLOGY

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