



جدة شارع الأربعين - الرقم الموحد: ٩٢٠٠١١٧٠٧  
فاكس: ٦٥٩٤٩٢٩ ص.ب: ٥٢٣٤٩ جدة ٢١٥٦٣  
سجل تجاري: ١٢٨٦١٢ ع.٣.  
فرغ المدينة المنورة : هاتف : ١٤٨٣١٤٩٦٩  
شارع عثمان بن عفان



Jeddah Alarbaeen St., tel: 920011707  
fax: 6594929 - P.O.Box: 52439 Jeddah 21563  
C.r 4030128612  
Al Madina Al Monawara Branch : tel: 0148314969  
Othman Bin Affan Str



## مقدمة

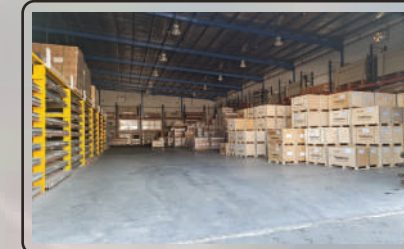
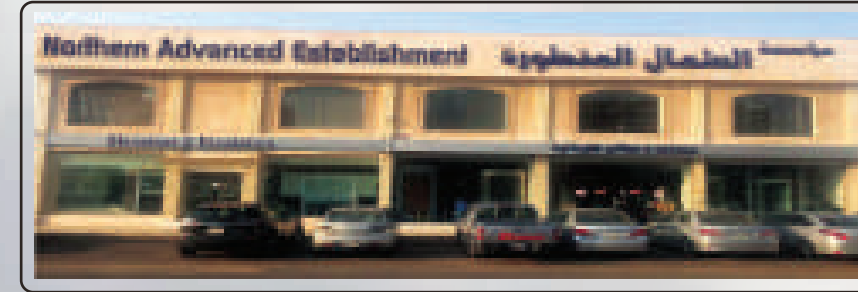
**مؤسسة الشمال المتطورة** متخصصة في مجال المصاعد والسلالم المتحركة، والتجارة العامة بجميع أنواعها وتعتمد على الخبرة والجودة في التصنيع، ولدينا طواقم متخصصة في مجال التركيب والصيانة.

لقد قمنا بتنفيذ مشاريع مصاعد أشخاص وحمولة وبانوراما وسيارات وطعام ورافعات نظام كهربائي وهيدروليك في كثير من مدن المملكة العربية السعودية.

## Introduction

**Northern Advanced Establishment** based in Saudi Arabia, specialized on the elevators and escalators field. we are working with good experience and young team to reach the high quality production, installation and maintenance.

we have finished projects of personals, load, panorama, cranes, electrical system and hydraulic in many cities of the kingdom of Saudi Arabia.



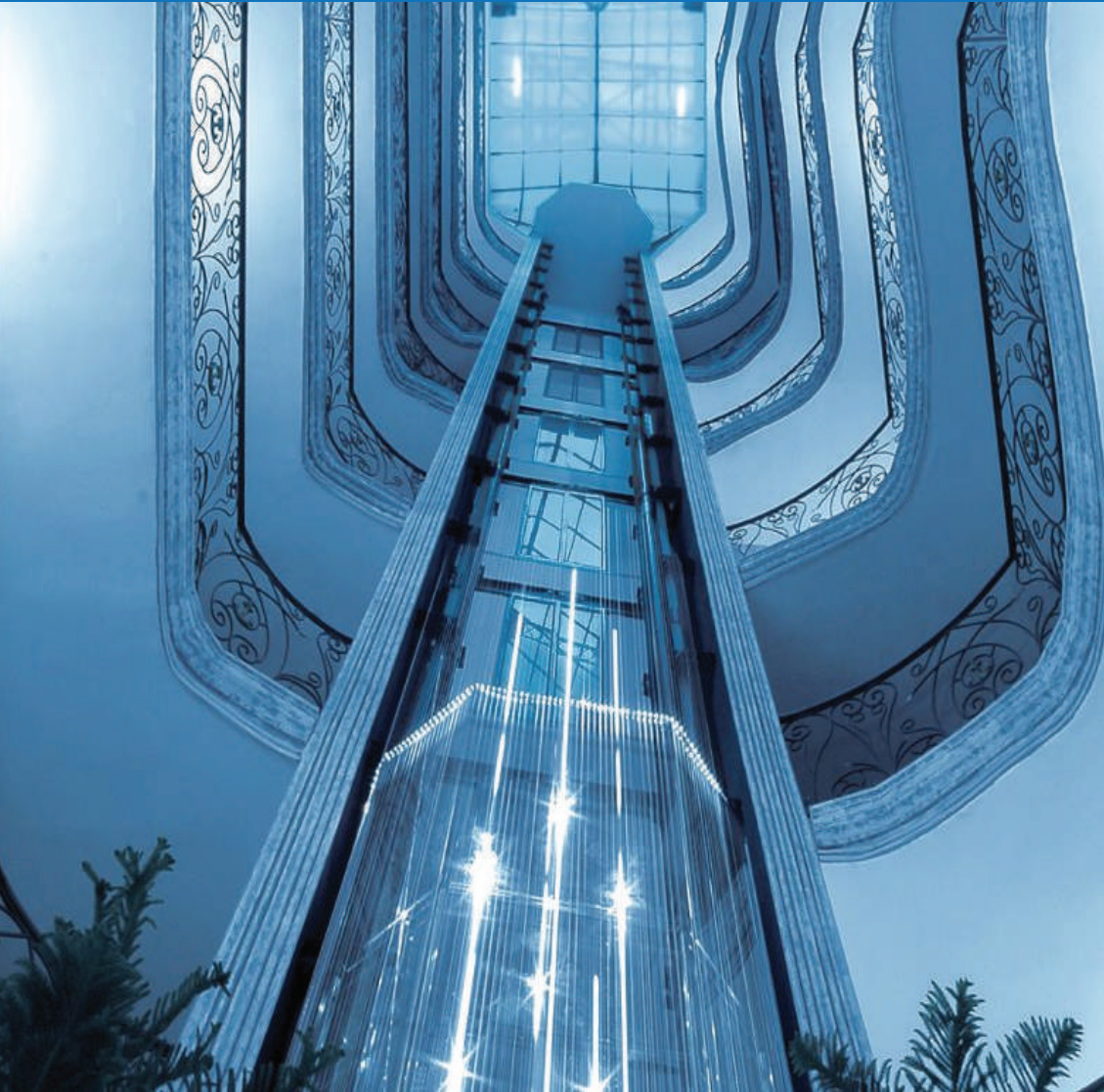
## مؤسسة الشمال المتطورة

مصاعد وسلالم كهربائية - ستانلس ستيل - مقاولات عامة



**مؤسسة الشمال المتطورة**  
Northern Advanced Establishment





# مصاعد بانوراما PANORAMIC ELEVATOR

في الهندسة المعمارية الحديثة، مصاعد بانوراما ليست فقط وسيلة من وسائل المصاعد، ولكن أيضا أصبحت وسيلة تحقيق مفهوم الجمال للمبنى كله.

الأشكال والألوان والأضواء هي عامل جذب للمستخدمين. مصاعد بانوراما تحفز المصممين على الإبداع وتتطلب القدرة الخاصة في الإنشاء.

مؤسسة الشمال المتطورة تأخذ كل تحد في هذا المجال لتتوأكب مع التطور في التصميم والإنشاء، يتم اتباع أدق التفاصيل بعناية كبيرة كالأسطح المنحنية، الخطوط المستقيمة، النوافذ الواسعة، والأسطح الشفافة لتحقيق قدر عالي من الروعة والجمال

In the modern architecture, the panoramic lift is not only a means of transport but, also becomes the dynamic realization of the aesthetic concept of the whole building.

Shapes, lights moving colors are an attraction for the users. Panoramic elevators stimulate designers creativity and require the manufactures ability.

Northern advance establishment takes every challenge in this field with enthusiasm: curved surfaces, straight lines, wide windows, transparent surfaces: the smallest details are followed with the great care.



**HD-GA01**  
**Upper /lower hood** : Hairline stainless steel  
**Panorama wall** : 180 circular safety laminated glass  
**Decorative top** : Painted steel framework, acrylic arch top plate  
**Car wall** : Hairline stainless steel  
**Handrail** : 25 stainless steel tube  
**Floor** : PVC



**HD-GA02**  
**Upper /lower hood** : Steel plate paint  
**Panorama wall** : Laminated glass (3-PCS)  
**Decoration Top** : Painted steel framework, acrylic lighting decoration board, acrylic strip lighting decoration  
**Car wall** : Hairline stainless steel  
**Car door** : Hairline stainless steel  
**Handrail** : Stainless steel double-tube  
**Floor** : PVC (optional marble)



**HD- GA03**  
**Upper /lower hood** : Mirror stainless steel press sill, red acrylic decoration cover  
**Panorama wall** : Laminated glass three pieces  
**Decorative Top** : Painted steel framework, acrylic lighting decoration  
**Car wall** : Hairline stainless steel  
**Car door** : Hairline stainless steel  
**Handrail** : Stainless steel double-tube  
**Floor** : PVC (optional marble)



**FJ-GA01**  
**Upper /lower hood** : Mirror stainless steel  
**Panorama wall** : Laminated glass  
**Decoration Top** : Mirror stainless steel frame, roof light-emitting diodes (leds)  
**Car wall** : Mirror stainless steel frame  
**Car door** : Framed glass door  
**Handrail** : Stainless steel round tube  
**Floor** : PVC (optional marble)



**FJ-GA02**  
**Upper /lower hood** : Titanium gold mirror  
**Panorama wall** : Laminated glass (3PCS combination)  
**Decorative Top** : Titanium gold mirror, acrylic lighting decoration  
**Car wall** : Titanium gold mirror  
**Handrail** : Titanium gold handrail  
**Floor** : Standard PVC (optional marble)



**FJ-GA05**  
**Upper /lower hood** : Painted steel  
**Panorama wall** : Laminated glass (3PCS combination)  
**Decorative Top** : Stainless steel mirror top plate, acrylic lighting decoration  
**Car wall** : Laminated glass  
**Handrail** : Stainless steel tube  
**Floor** : Standard PVC (optional marble)



**FJ-GA03**  
**Upper /lower hood** : Stainless steel hairline. LED lamp  
**Panorama wall** : Laminated glass (3PCS combination)  
**Decorative Top** : The steel plate baked enamel, acrylic lighting decoration  
**Car wall** : Stainless steel hairline  
**Handrail** : Stainless steel handrail  
**Floor** : Standard PVC (optional marble)



**FJ-GA06**  
**Upper /lower hood** : Panorama wall  
**Panorama wall** : Laminated glass three pieces  
**Decorative Top** : Painted steel framework  
**Car wall** : Hairline stainless steel  
**Car door** : Hairline stainless steel  
**Handrail** : Stainless steel tube  
**Floor** : Standard PVC (optional marble)



**FJ-GA04**  
**Upper /lower hood** : Stainless steel hairline, stainless steel mirror  
**Panorama wall** : Laminated glass (3PCS combination)  
**Decorative Top** : Stainless steel frame, glass lamp with LED light  
**Car wall** : Stainless steel mirror frame, frosted glass, lamp  
**Handrail** : Stainless steel round tube  
**Floor** : Standard PVC (optional marble)



**FJ-GA07**  
**Upper /lower hood** : Panorama wall  
**Panorama wall** : Glue glass of safety clamp 6+6  
**Decorative Top** : Painted steel framework  
**Car wall** : Hairline stainless steel  
**Car door** : Hairline stainless steel  
**Handrail** : Stainless steel tube  
**Floor** : Standard PVC (optional marble)



مؤسسة الشمال المتطورة  
Northern Advanced Establishment



مؤسسة الشمال المتطورة  
Northern Advanced Establishment





CP20



CP21



CP22



CP23



CP24



CP25



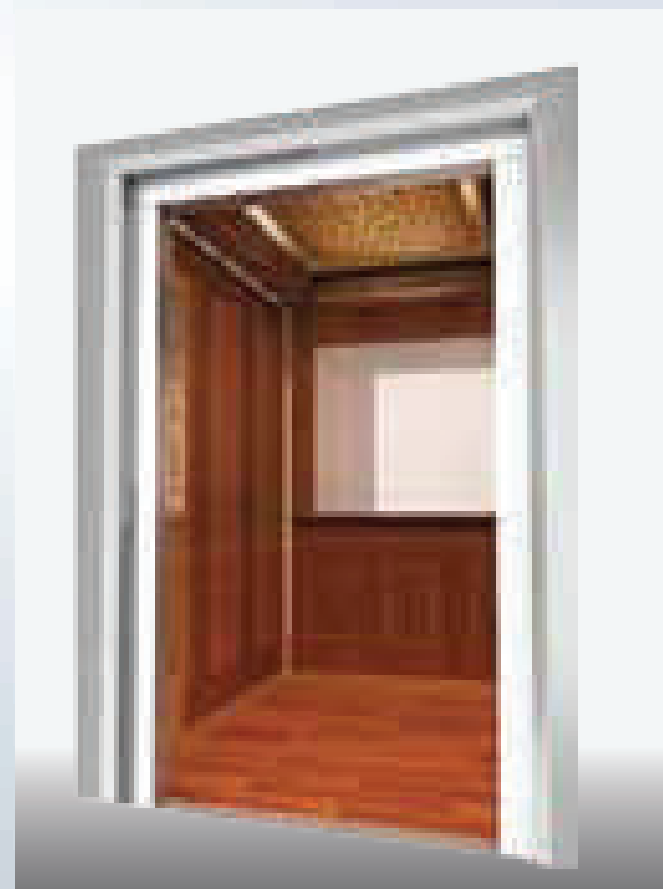
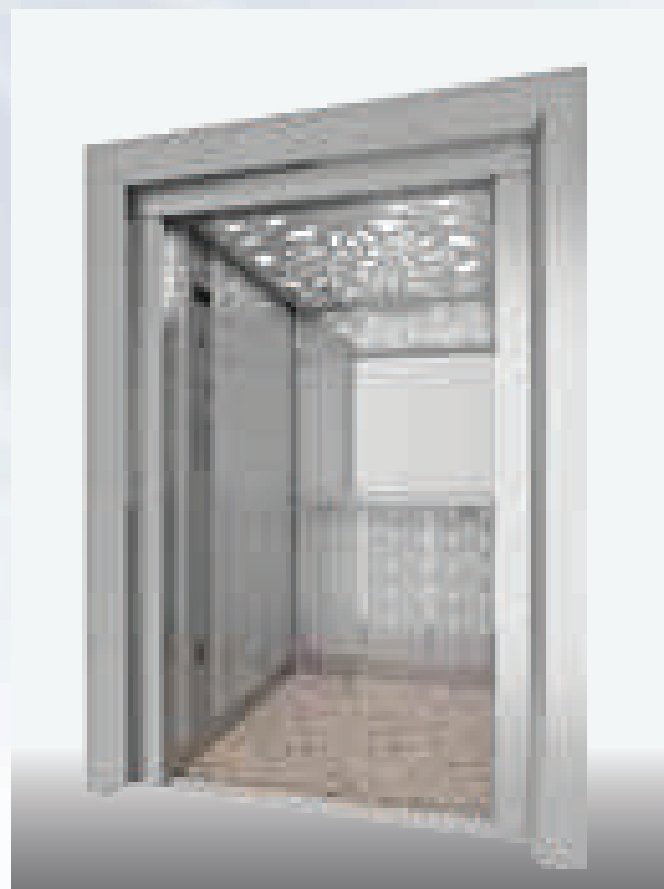
مؤسسة الشمال المتطورة  
Northern Advanced Establishment

## كبائن الركاب PERSONAL CABINET



مؤسسة الشمال المتطورة  
Northern Advanced Establishment

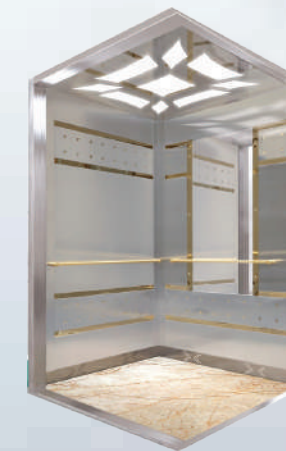




CP26



CP27



CP28



CP29



CP30



CP31



مؤسسة الشمال المتطورة  
Northern Advanced Establishment



مؤسسة الشمال المتطورة  
Northern Advanced Establishment





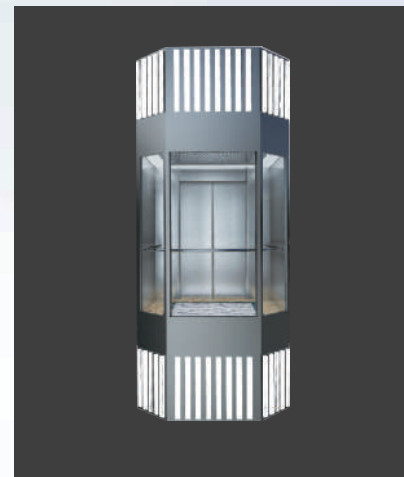
FUJI-G01



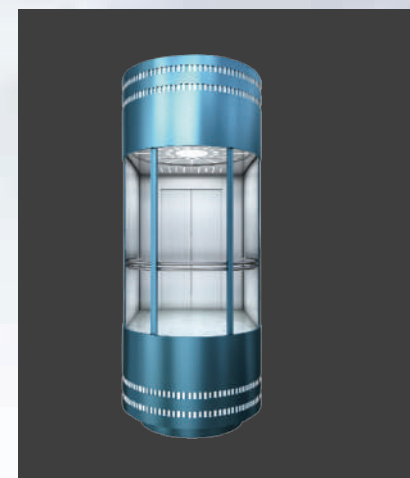
FUJI-G02



FUJI-G03



FUJI-G04



FUJI-G05



FUJI-G06



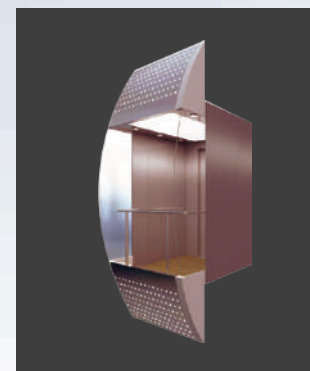
FUJI-G07



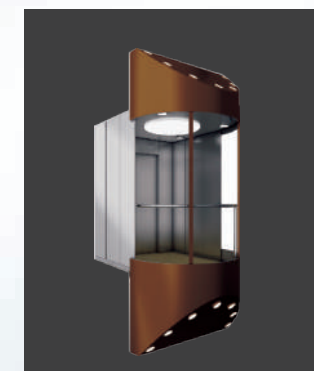
FUJI-G08

## NORTHERN FUJI

كبائن الركاب  
Personal Cabinet



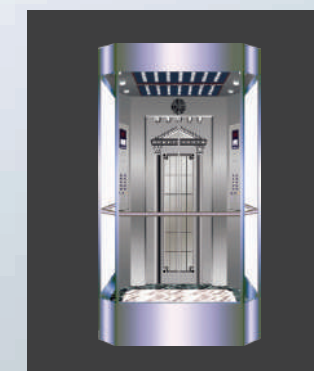
FUJI-G09



FUJI-G10



FUJI-G11



FUJI-G12

مؤسسة الشمال المتطورة  
Northern Advanced Establishment



مؤسسة الشمال المتطورة  
Northern Advanced Establishment





## مصاعد الهايدروليك

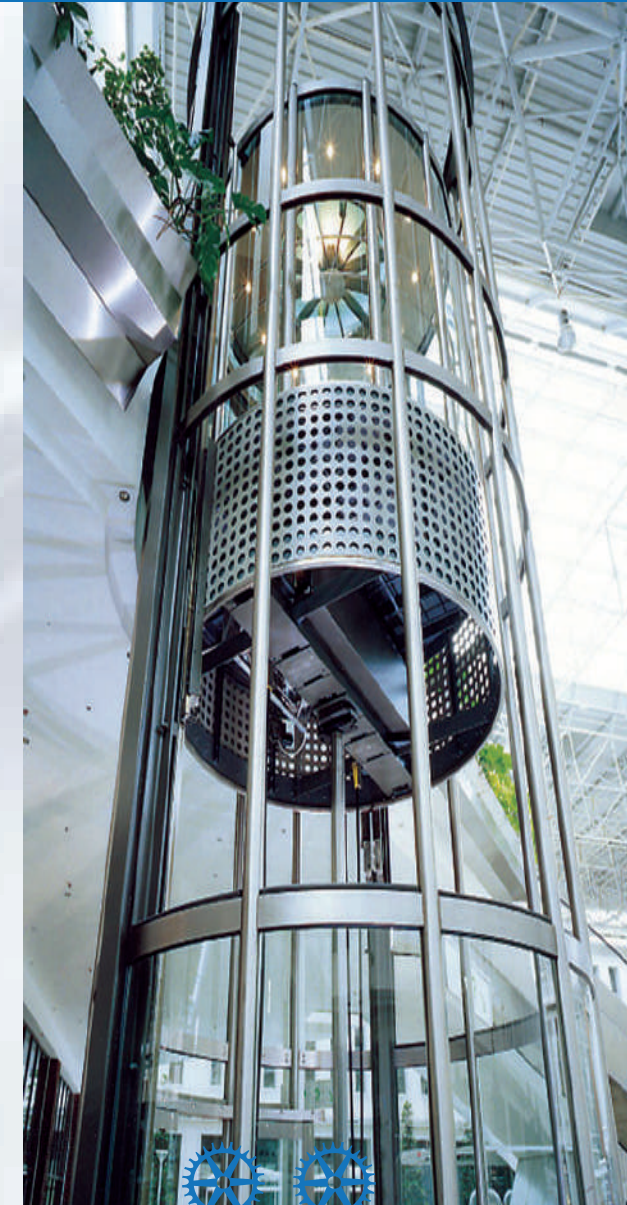
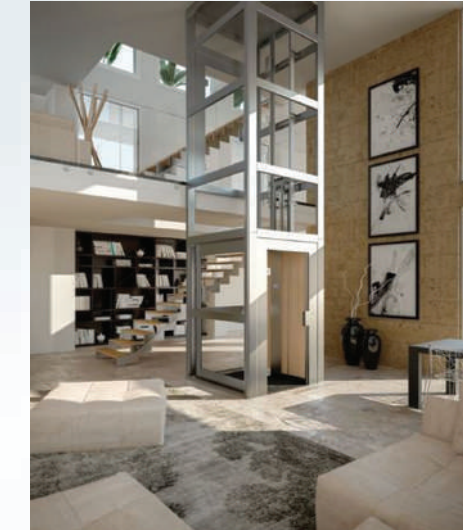
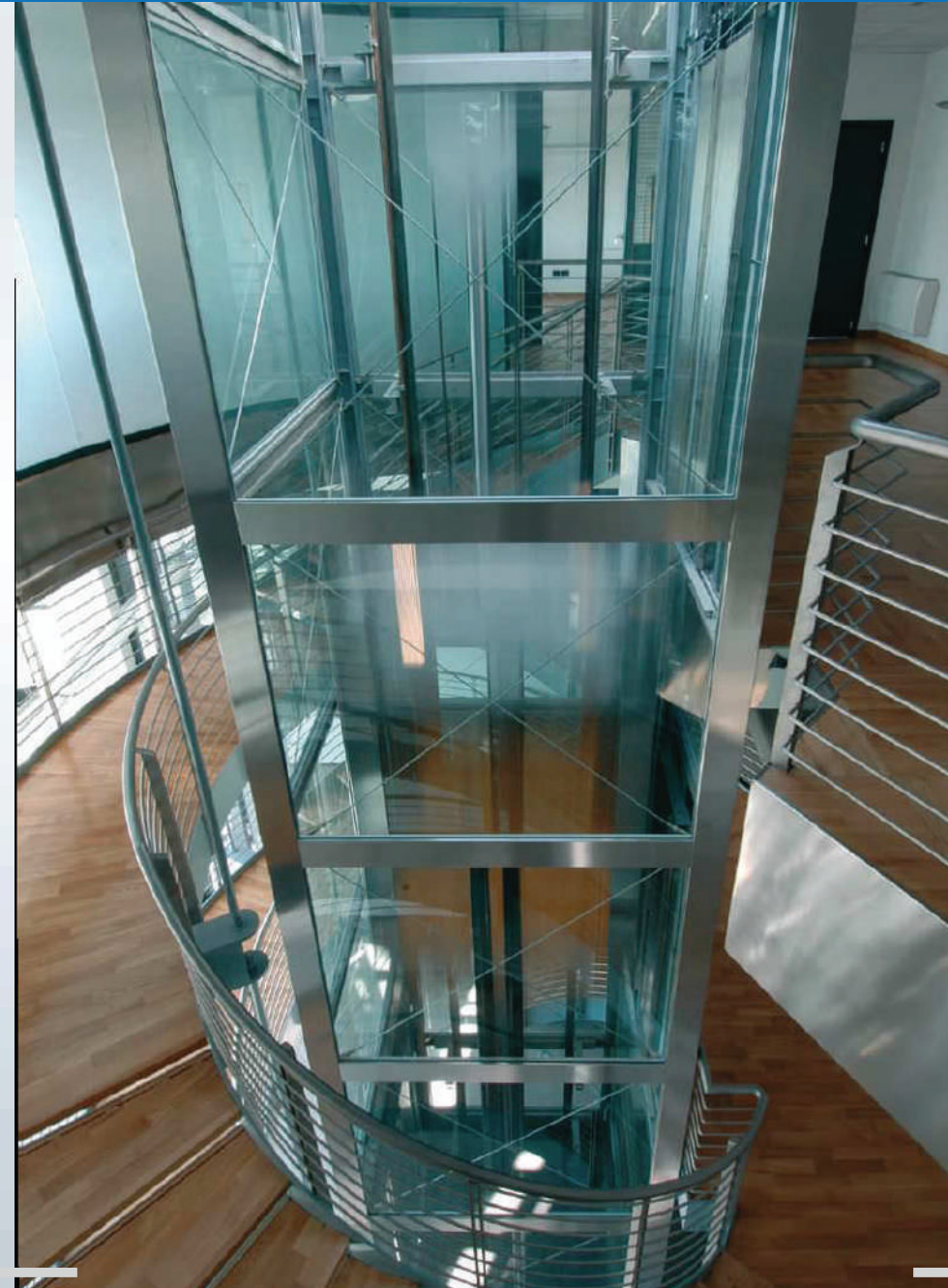
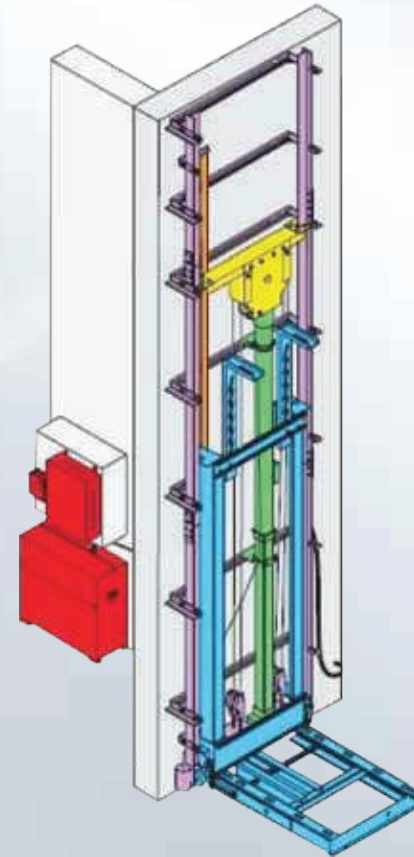
# HYDRAULIC ELEVATOR SPECIFICATIONS

المصاعد الهيدروليكية وعادة ما تصل إلى خمسة أو ستة طوابق مع سرعة نموذجية تصل إلى 150 قدم في الدقيقة الواحدة بواسطة المكبس.

تتكون جميع الأنظمة الهيدروليكية من أربعة عناصر رئيسية هي: الخزان (خزان سائل النفط)، والمضخة التي تعمل بالطاقة بواسطة محرك كهربائي، وصمام الاسطوانة، والاسطوانة.

مع كل من هذه الأنظمة، لا بد من حفرة في الجزء السفلي من المصعد عمق هذه الحفرة تكون عادة 4'-0" -". يتم إنشاء الحركة الصعودية عن طريق محرك كهربائي يضخ النفط في الاسطوانة، مما يتسبب في رفع المكبس لكابينة المصعد.

Hydraulic elevators are typically efficient up to five or six floors with a typical speed of up to 150 feet per minute (fpm) if powered by a piston. There are three types of hydraulic elevators: in-ground, hole-less, and roped systems. All hydraulic systems consist of four major components: a tank (fluid reservoir for oil); a pump that is powered by an electric motor; a valve between the cylinder and the reservoir; and a cylinder. With each of these systems, a pit at the bottom of the elevator shaft is required. The depth of the pit (located below the floor of the lowest landing) will typically be 4'-0". Upward movement is created by the electric motor pumping oil into the cylinder, causing the piston to lift the elevator cab. To descend, the valve simply lets the oil out of the cylinder, back into the oil tank. The weight capacities of hydraulic elevators are dependent on the size of the car and will range from 2,000 pounds for passenger cars to 5,000 pounds for service elevators.

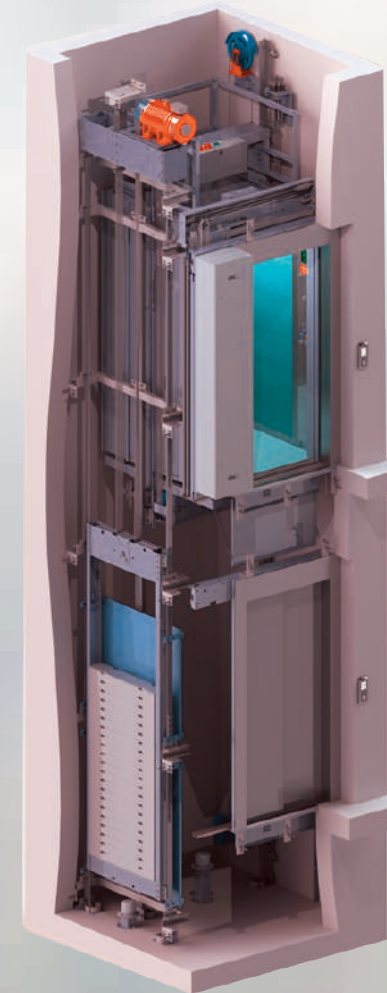
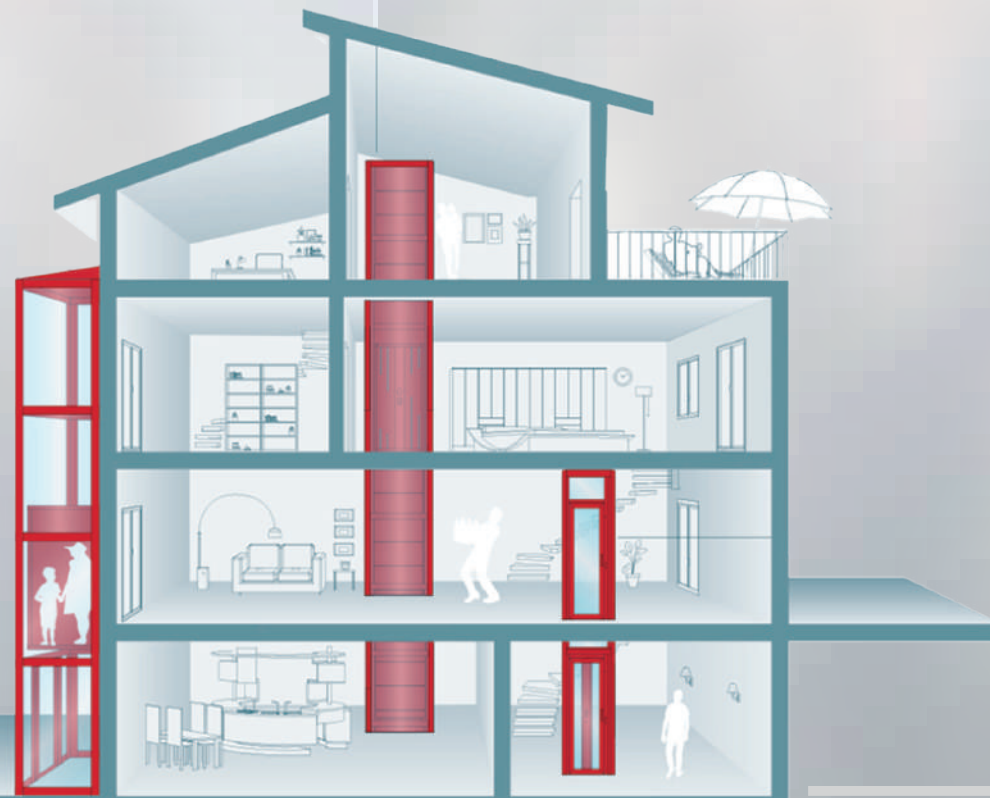
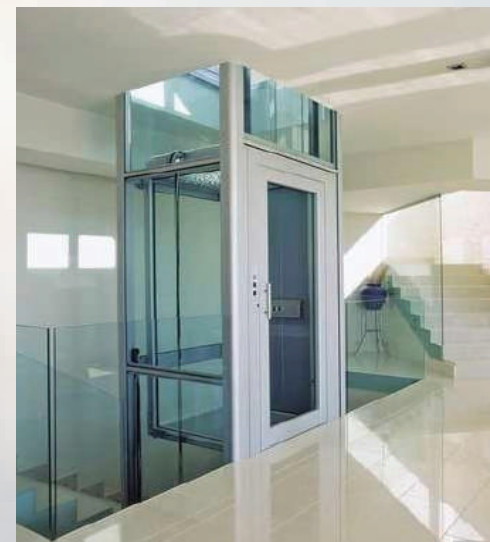


مؤسسة الشمال المتطورة  
Northern Advanced Establishment

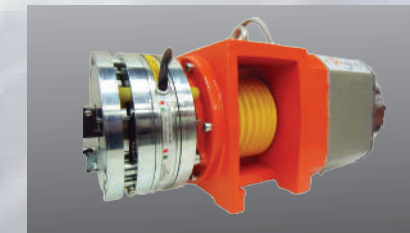
مؤسسة الشمال المتطورة  
Northern Advanced Establishment







مصاعد بدون غرفة ماكينات  
MRL- Machine Roomless



GEARLESS

مؤسسة الشمال المتطورة  
Northern Advanced Establishment

مؤسسة الشمال المتطورة  
Northern Advanced Establishment





## LANDING DOOR SERIES



FUJI-HTM01  
Side opening



FUJI-HTM02  
2-panels center opening



FUJI-HTM03  
Center Opening  
Double-folded type



FUJI-HB01  
(Standard)



FUJI-HF01  
(Standard)

## FLOOR SERIES



FUJI-HDF01  
Standard Floor  
CAR ELEVATOR



### FUJI-HT001 Standard

**Car Top:**  
Hairline stainless steel

**Car wall/Car door:**  
Hairline stainless steel

**Illumination:**  
LED Energy-saving light

**Door Opening mode:**  
Center-opening &  
Double-folded type

**Flooring:**  
Checkered plate

**Sill:**  
Cast iron < 3000kg,  
Zinc-plated sheet < 3000kg



### Double operation panels

The elevator car has two operation boxes. Therefore the driver can operate the elevator without stepping out of his / her beloved car.

### Signal display system

Special signal display system is convenient for elevator operators in the elevator cars and the drivers that wait outside the elevator cars.

### Opposite door Configuration

The elevator car has front and rare opening. It is more convenient for the car to enter into / exit from the elevator car. And it is more secure too.

مصاعد  
المستشفيات  
والسيارات

Hospitals & Cars  
Elevator

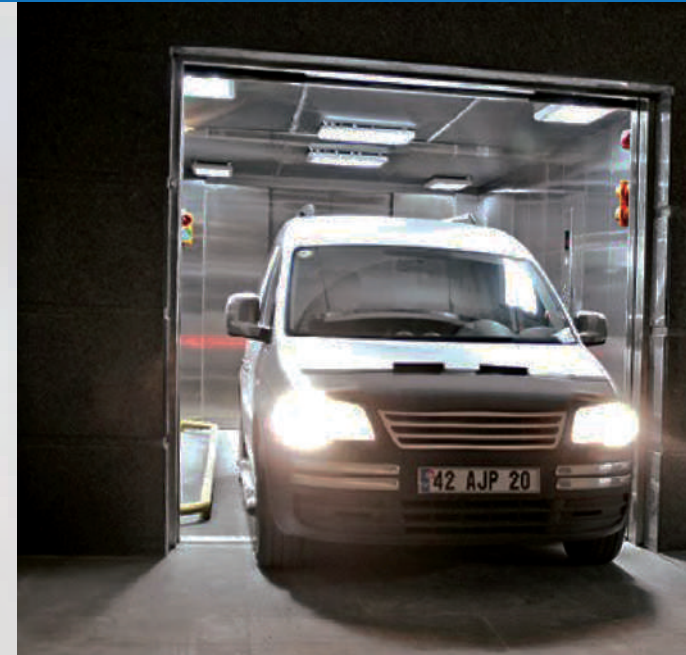
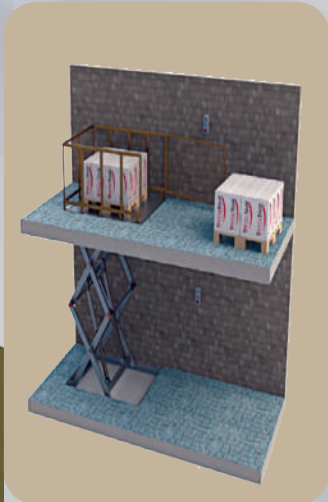
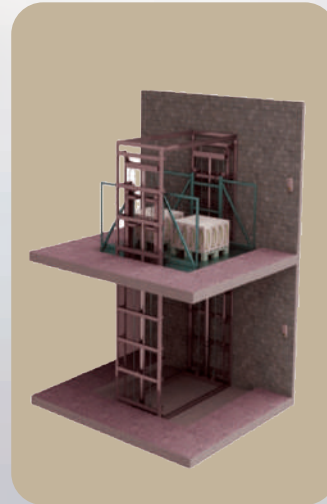
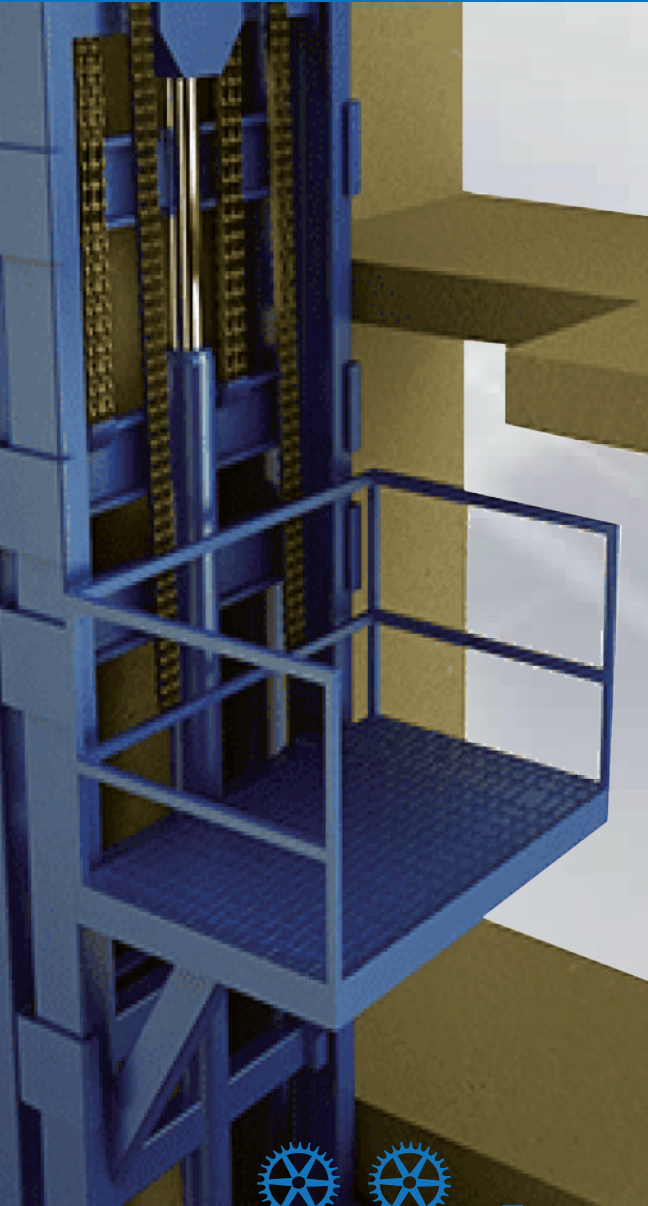


مؤسسة الشمال المتطورة  
Northern Advanced Establishment



مؤسسة الشمال المتطورة  
Northern Advanced Establishment





## الرافعات الهيدروليكية Hydraulic Lifting Platform



مؤسسة الشمال المتطورة  
Northern Advanced Establishment

مؤسسة الشمال المتطورة  
Northern Advanced Establishment





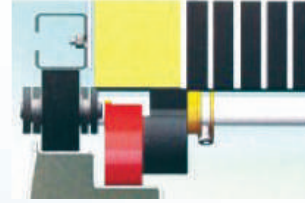
Skirt panel brush



Handrail inlet



Automatic oiling



Side guide high accuracy  
step guide rail system



Driver protection stand breaks



Fault display



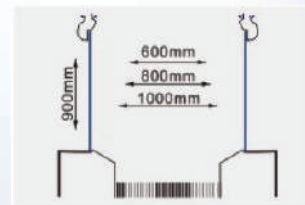
Handrail speed



Handrail color



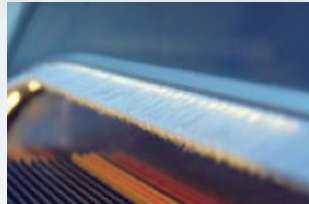
The glass wainscot color



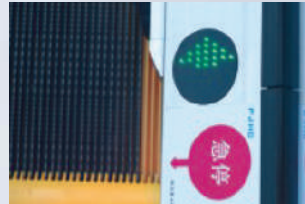
Balustrade height



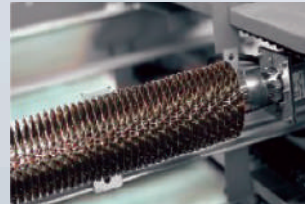
Comb lighting



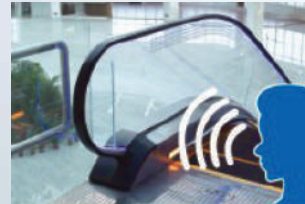
Skirt-board lighting



Running direction indication



Heating device



Voice HMI system



مؤسسة الشمال المتطورة تقوم بتوريد وتركيب السلالم المتحركة والمشايات التي تتطلبها معظم الأماكن العامة. تراعي مؤسسة الشمال المتطورة أقصى درجات الجودة والأمان في الإستخدام.

تفخر مؤسسة الشمال المتطورة في تقديم أفضل إنتاجها وخدماتها بدون نسبة خطورة ملحوظة. وهذا ما تم تدريب العاملين عليه في مؤسسة الشمال المتطورة على مدار السنوات السابقة. ليصبح لدينا أفضل طواقم عمل مهرة في المملكة.

We supply and install escalators and autowalks are a must for today's highly demanding public areas.

They are key to ensuring the smooth, efficient and safe flow of people traveling within a building's environment.

Northern advance establishment prides itself on delivering the "low risk" option to customers. We offer "peace of mind" in terms of productde sign, customer support and project management, combined with the highest levels of efficiency and safety during the installation phase.

السلالم المتحركة

ESCALATOR &  
TRAVELATOR

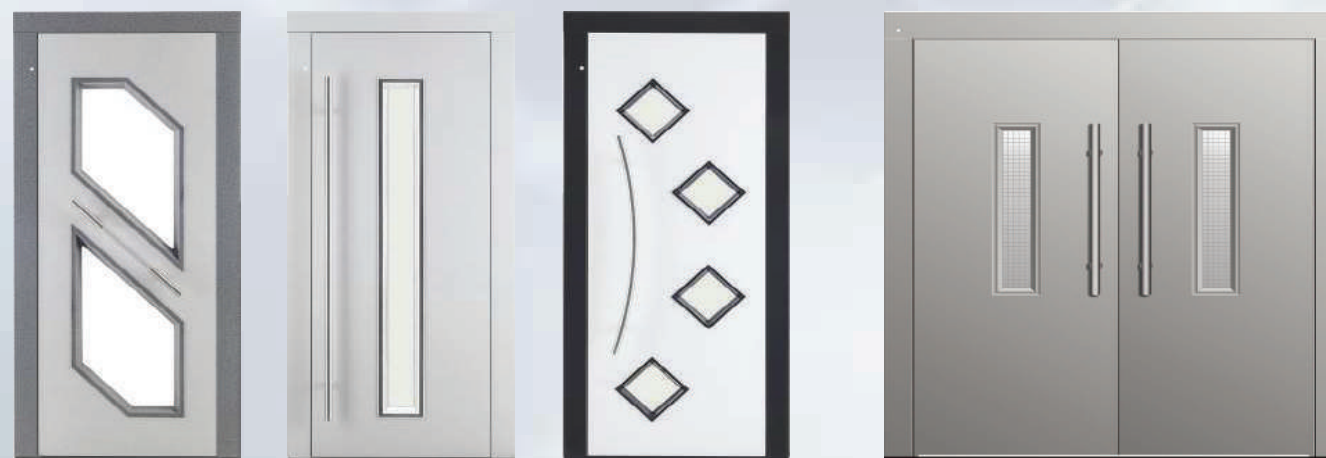
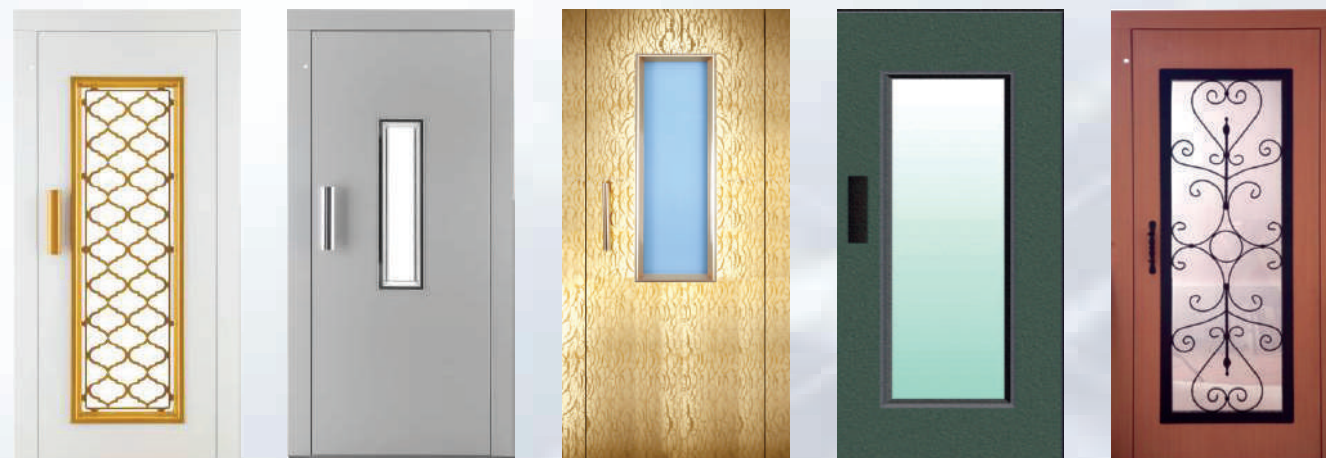


مؤسسة الشمال المتطورة  
Northern Advanced Establishment



مؤسسة الشمال المتطورة  
Northern Advanced Establishment





## أبواب المصاعد ELEVATOR DOORS

الأبواب التي يتم تصميمها هي مناسبة لجميع البيئات وتسمح لإكمال الديكورات الداخلية مع العناصر الجمالية الأنيقة.

تتوفر الأبواب في مختلف التشطيبات، مثل: الفولاذ المقاوم للصدأ، والزجاج أو الأيبوكسي المغلف برقائق الصلب.

The doors made by Monitor, both centre and side opening type, are suitable for all environments and allow to complete a building architecture with aesthetical elegant elements.

Doors are available in different finishes, such as: stainless steel, laminated glass or epoxy power coated sheet steel. Monitor doors are able to match functionality, aesthetics and quality of materials on each single product.

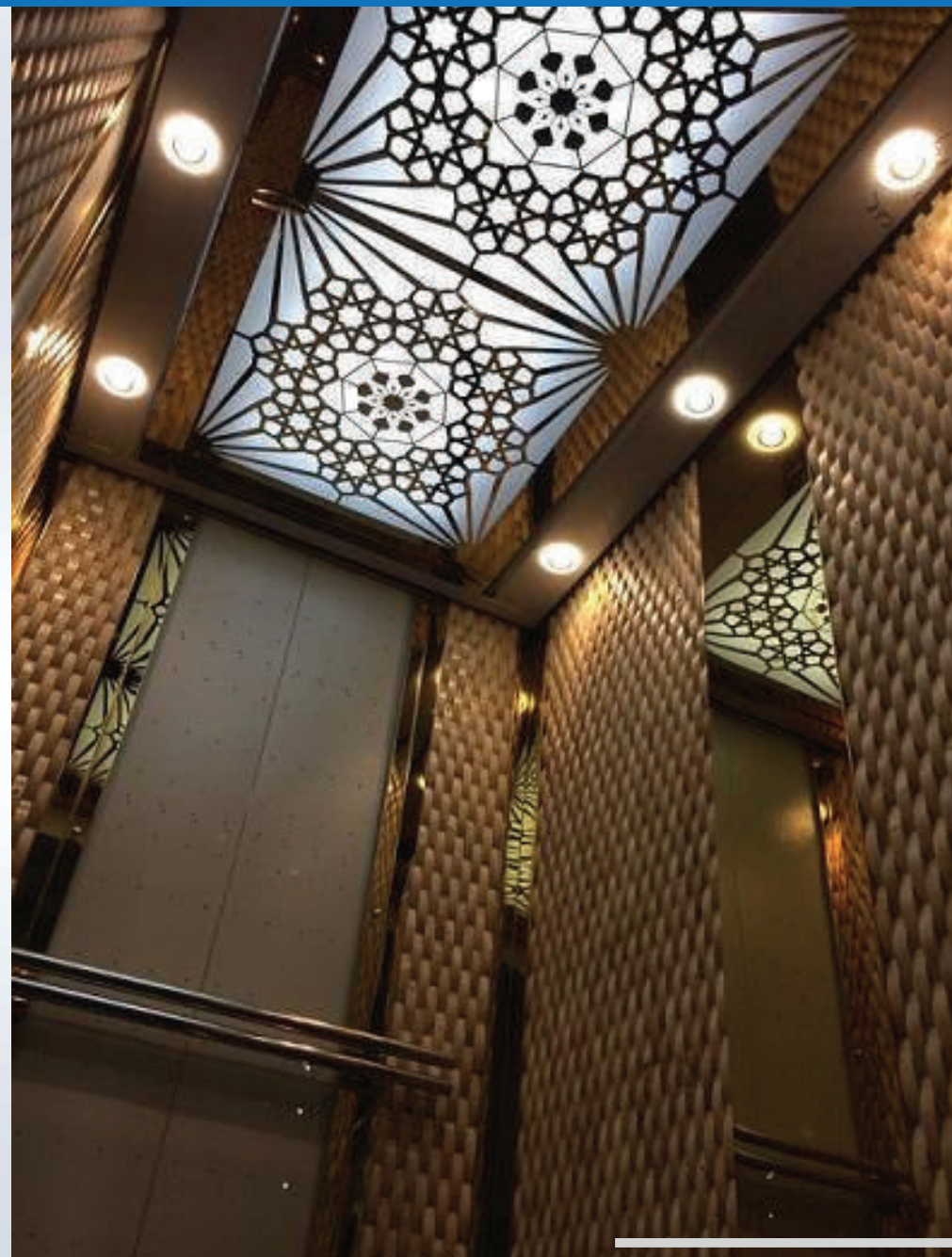


مؤسسة الشمال المتطورة  
Northern Advanced Establishment



مؤسسة الشمال المتطورة  
Northern Advanced Establishment

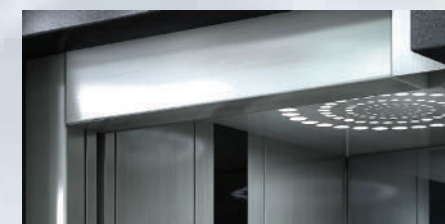




## أسقف المصاعد Elevators Ceiling

أسقف المصاعد لدينا هي خفيفة الوزن وسهلة التركيب، والتي تشتمل على الفولاذ المقاوم للصدأ، توجد لدينا أنواع مختلفة تناسب جميع الأذواق.

Based on a framework of interlocking extrusions, our Elevator Ceilings are lightweight, easy to install and include many of the same stainless steel and Fused metal options as our Elevator Interiors. The standard ceiling is a six-panel suspended island design with six low-voltage high efficiency LED down lights and/or LED perimeter lighting.



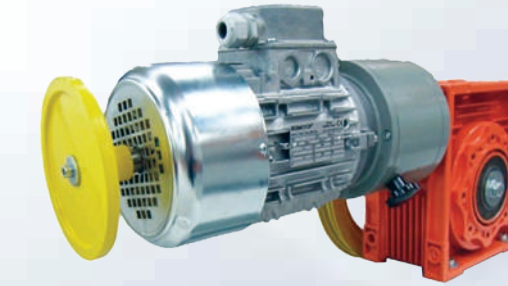




مؤسسة الشمال المتطورة  
Northern Advanced Establishment



## مصاعد الطعام DUMBWAITERS



تم تصميم المصاعد الصغيرة والمصاعد المستخدمة في مطابخ الفنادق والقصور والفلل والمطاعم وقطاع الضيافة، لتناسب جميع المستويات في المبنى. وتتميز هذه المصاعد بالقدرة على الأداء العالي والجودة الدائمة.  
مصاعد الطعام لدينا تتميز بالآتي: تشغيل إلكتروني بالكامل، انخفاض استهلاك الطاقة، بدون أصوات مزعجة.

Our dumbwaiters elevators are designed and used for objects of kitchen of hotels, restaurants, hospitality sector, for raw material and departmental stores to carry stores to various levels in the building. These elevators are known for their high performance and durable quality. Our dumbwaiter elevators come in following features: fully electronic functioning, lower energy consumption, vibration free, noiseless operation.



مؤسسة الشمال المتطورة  
Northern Advanced Establishment







**MRL**

- 16 Stops with single LOP button, 9 stops with double LOP buttons
- Serial communication with the inspection box via can-bus
- Shaft copying via encoder (with additonal PCB ISC)
- Supporting functions assisting the lift commissioning
  - Blocking of door opening
  - Random car call commands
  - Cancelation of floor calls

**Additional features**

- Options for extra bottom or top stops at duplex lifts
- Option of operation with automatic door at one stop and manual doors at other stops

**MR**

- All superior features of the controller and driver in the same device
- Harmonised operation via easy set-up in a single menu
- Automatic direct landing
- Easy start-up menu
- No need for motor and rescue contactors
- Rich choice for encoder at gearless machines
  - EnDat
  - SinCos
  - SSI
  - BiS
- Detailed fault register
- Easy switchbox layout
- Recovery from actuated safety gear via “hammering mode”
- Emergency lowering via UPS or battery based systems
- Easy installation of encoder cards



**MIK-EL**



لوحات التحكم  
**CONTROL PANEL**

**GEFAN**

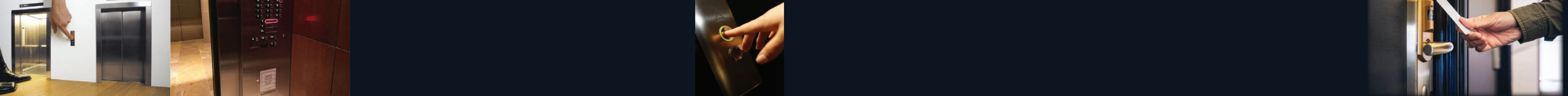


مؤسسة الشمال المتطورة  
Northern Advanced Establishment



مؤسسة الشمال المتطورة  
Northern Advanced Establishment





# لوحة الطلبات Elevators Buttons



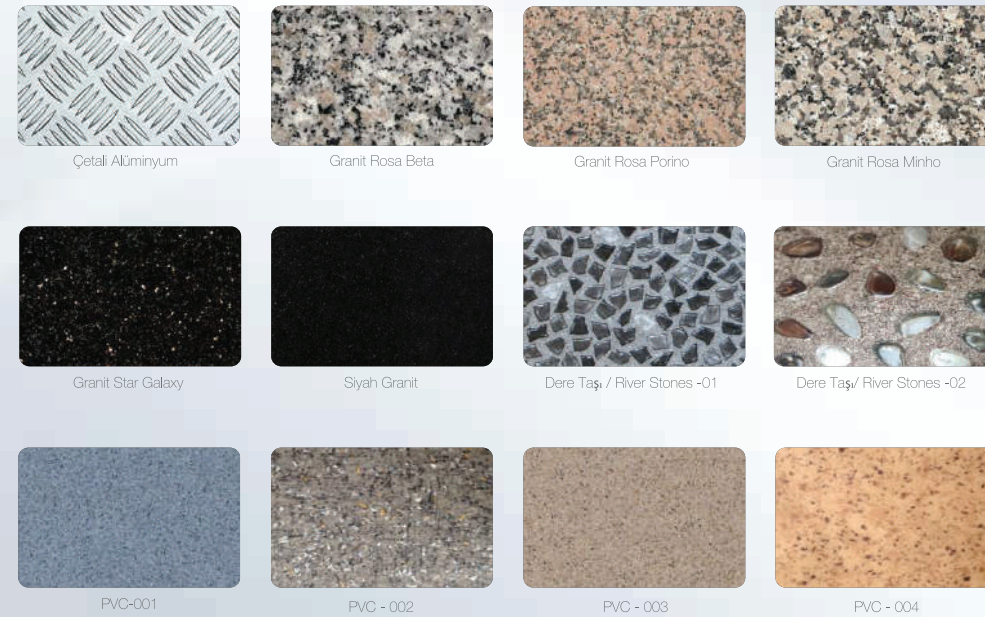


# Northern

## Marble



## PVC

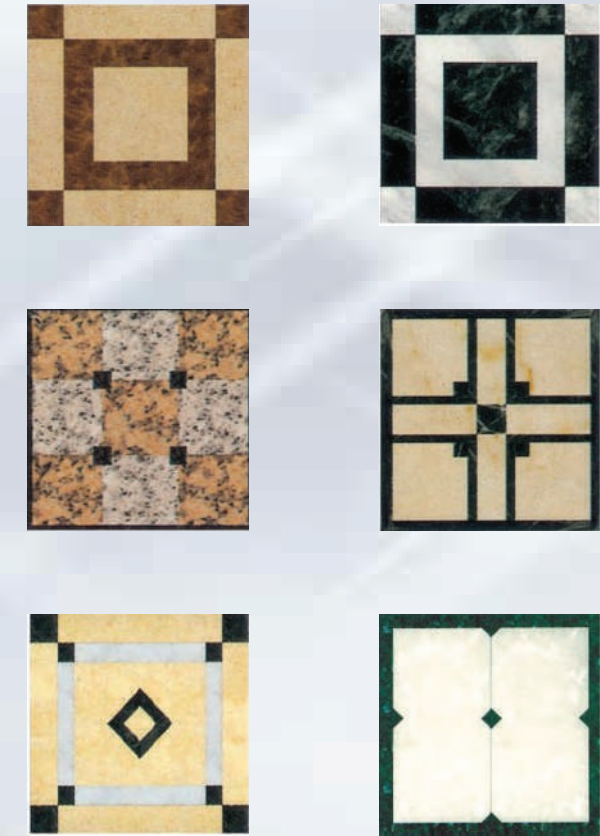


## Elevators Floor

## أرضيات



# Northern FUJI



مؤسسة الشمال المتطورة  
Northern Advanced Establishment

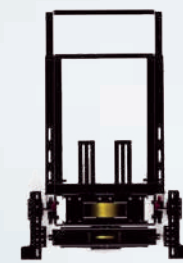


مؤسسة الشمال المتطورة  
Northern Advanced Establishment





## قطع الخيار PARTS & ACCESSORIES



مؤسسة الشمال المتطورة  
Northern Advanced Establishment

مؤسسة الشمال المتطورة  
Northern Advanced Establishment





# TopGears



## ITG 160: amazing performance in compact dimensions

Thanks to its extraordinary static load of 5,200 kg, to its intrinsic sturdiness and a very compact dimensions, the ITG 160 sets a class on its own. Thanks to the unique combination of its features the ITG 160 is capable of performance that were once exclusive to much larger and more expensive machines.

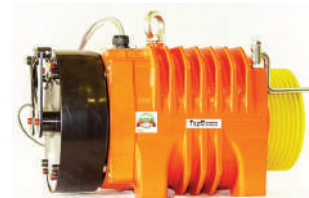
Contact load: from 320 up to 1,200kg in 1:1 roping, and up to 2,600 kg. in 2:1 roping.



## ITG 125: flexibility and ease of installation

The ITG 125 is a perfect balance between quality, sturdiness and economy. designed for applications up to 8 passengers in 1 to 1 roping, the ITG 125 offers a variety of solutions for different motors, traction sheaves and reduction ratios, thus allowing having a solution for any possible need and all this enclosed particularly reduced boundary dimensions.

Contact load: from 320 up to 630 kg in 1:1 roping.



## Gearless Hoisting Machine ITG 01

The ITG 01 is a versatile range of gearless hoisting machines designed for payloads included between 320 and 550 kg, with specific versions designed for 1:1 and 2:1 roping.



## Gearless Hoisting Machine ITG 02

The ITG 02 is a versatile range of gearless hoisting machines designed for payloads included between 450 and 800 kg, with specific versions designed for 1:1 and 2:1 roping.



## Gearless Hoisting Machine ITG 03

The ITG 03 is a sophisticated range of gearless hoisting machines designed for payloads included between 630 and 1000 kg, with specific versions designed for 1:1 roping.



## Gearless Hoisting Machine ITG 04

The ITG 04 is a sophisticated range of gearless hoisting machines designed for payloads included between 800 and 1400 kg, with specific versions designed for 1:1 roping.



## Gearless Hoisting Machine ITG 05

The ITG 05 is a range on its own of gearless machines tailored for payloads included between 630 and 1000 kg., and although being visually similar to the ITG 03 and ITG 04 machines, the ITG 05 machines have totally different and specific PM motors.



مؤسسة الشمال المتطورة  
Northern Advanced Establishment



مؤسسة الشمال المتطورة  
Northern Advanced Establishment





#### \*Improved energy savings

Gearless traction machines with permanent magnet synchronous motors provide up to 60% energy savings compared to hydraulic elevators.

#### \*Comfortable ride

Noise and vibration level has decreased dramatically and car ride has improved significantly with the use of gearless traction machines with permanent magnet synchronous motors thanks to the lack of tooth gear and rope swing.

#### \*Environment-friendly components

Gearless traction machine is environment-friendly since gear oil is not required.

#### \*Reduced installation space

It can save the building space as it needs smaller machine room space than the conventional.

# TopGears



مؤسسة الشمال المتطورة  
Northern Advanced Establishment



TopGears  
ITALIAN

 MONTEFERRO

 MORIS

 BST

 mik-el<sup>®</sup>  
LIFT TECHNOLOGIES

 v e g a  
SYSTEMS FOR LIFTS

 MARAZZI

 ICC

 MINOS  
ELEVATOR SYSTEM est. 1972

 SMS  
SISTEMI E MICROSISTEMI

 MP  
METAL - PRESS

 ida  
Lift  
asansör

 SELCOM<sup>®</sup>

 PFB

مؤسسة الشمال المتطورة  
Northern Advanced Establishment

