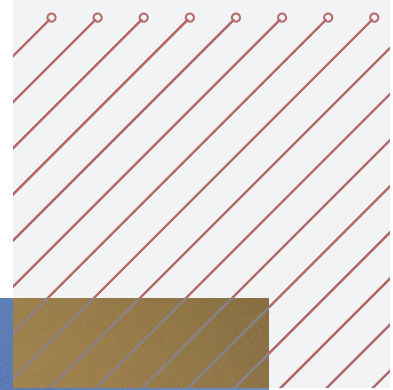




CARRYING  
THE WEIGHT  
OF THE  
WORLD

2020  
CATALOG



RENTALS • SALES • SERVICE



Nursanlar Kartal, Istanbul, Turkey

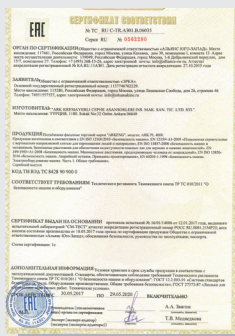
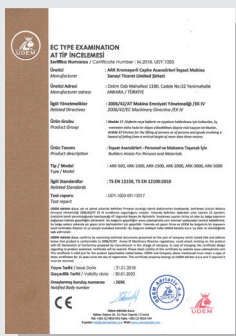


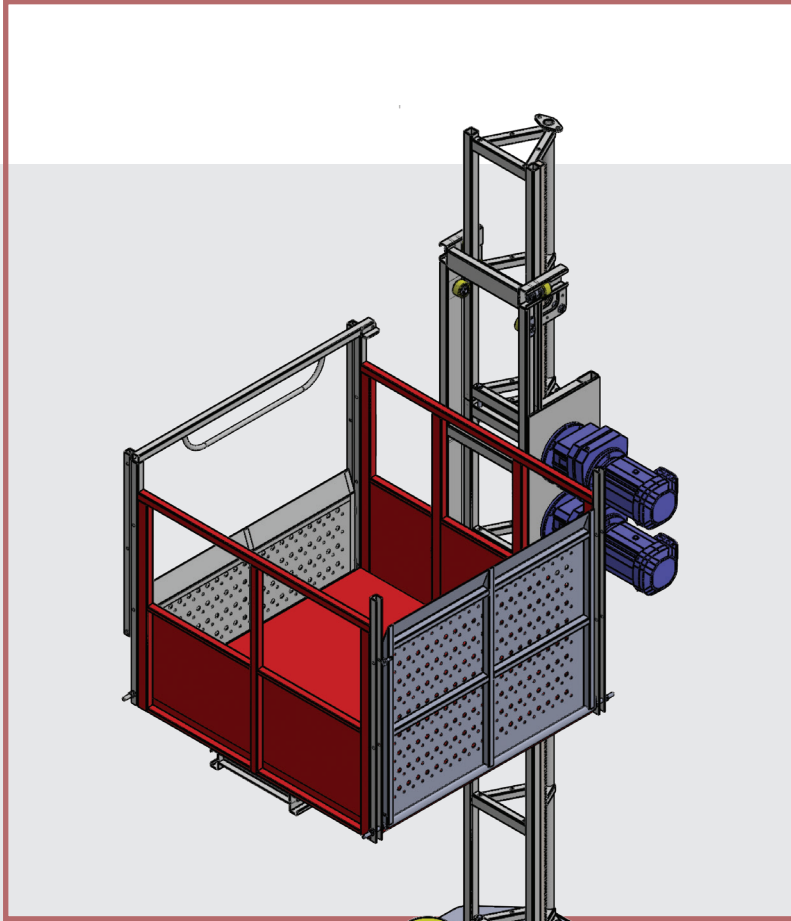
## ABOUT ERKAMAK

Turkey's first construction hoist and working platform manufacturer, ERKAMAK, has been manufacturing construction hoists, industrial hoists and working platforms since 2003.

26 years of expertise help us meet the demands of our customers. Our technical, service and administrative teams work in harmony to provide suitable and high-quality solutions.

We know that a machine can only be as strong as its weakest point. Therefore, we use products of brands known to be the best in their respective fields – such as Siemens, MGM, Mitsubishi, Schneider and Telemecanique. We have committed ourselves to excellence in the manufacturing and after-sales service of our products, and we guarantee our quality promise with our certifications.





**CONSTRUCTION HOIST**

**ERK 500**

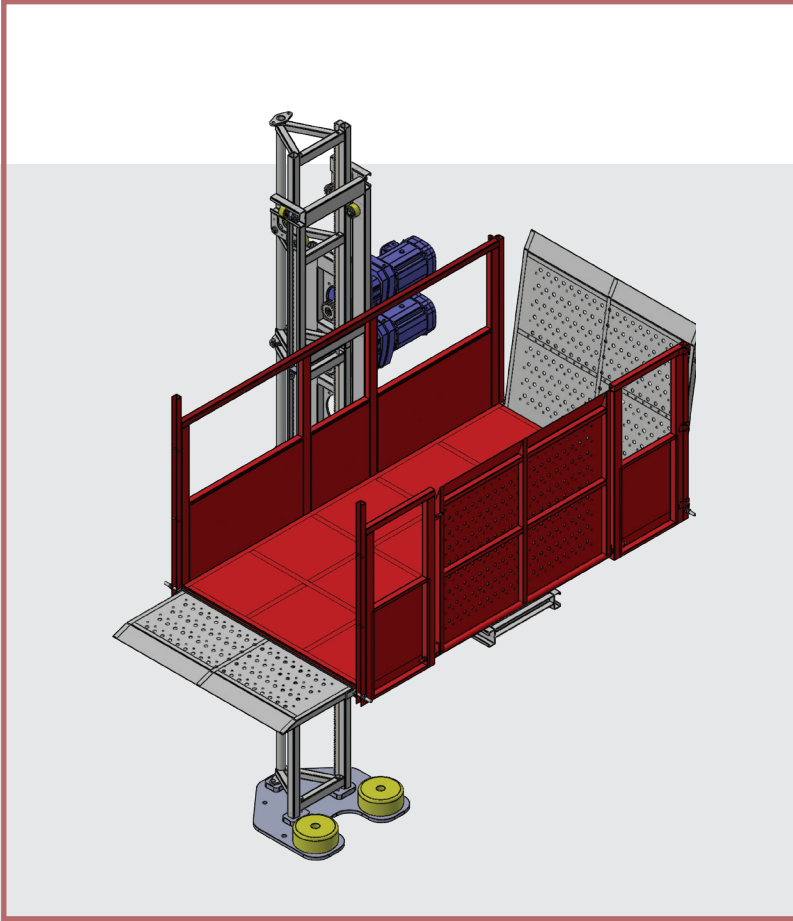
This model has a lifting capacity of up to 500 kg and is designed to carry light weights in the most suitable and efficient way within not so busy construction sites, factories, and bridge and viaduct constructions.

In addition to various cabin and gate designs, a frequency control device (inverter) is used as standard in all our models as it causes less vibration, increases the service life of the rack and pinions, and reduces power consumption.

All our construction hoist models are controlled by microprocessors that work with minimum error rate.

**TECHNICAL SPECIFICATIONS**

|                              |                       |
|------------------------------|-----------------------|
| Capacity                     | 500 kg                |
| Cabin Dimensions             | 1500 x 1400 x 1100 mm |
| Base Unit Dimensions         | 2516 x 2247 mm        |
| Trellis Weight               | 54 kg                 |
| Lifting Speed                | 12 m/min              |
| Max Anchored Height          | 150 m                 |
| Supply Voltage               | 400 V                 |
| Protection Switch            | 63 A                  |
| Power of The Motors          | 2 x 2 kW              |
| Starting Current             |                       |
| Suggested Minimum Line Power |                       |



## CONSTRUCTION HOIST ERK 1000

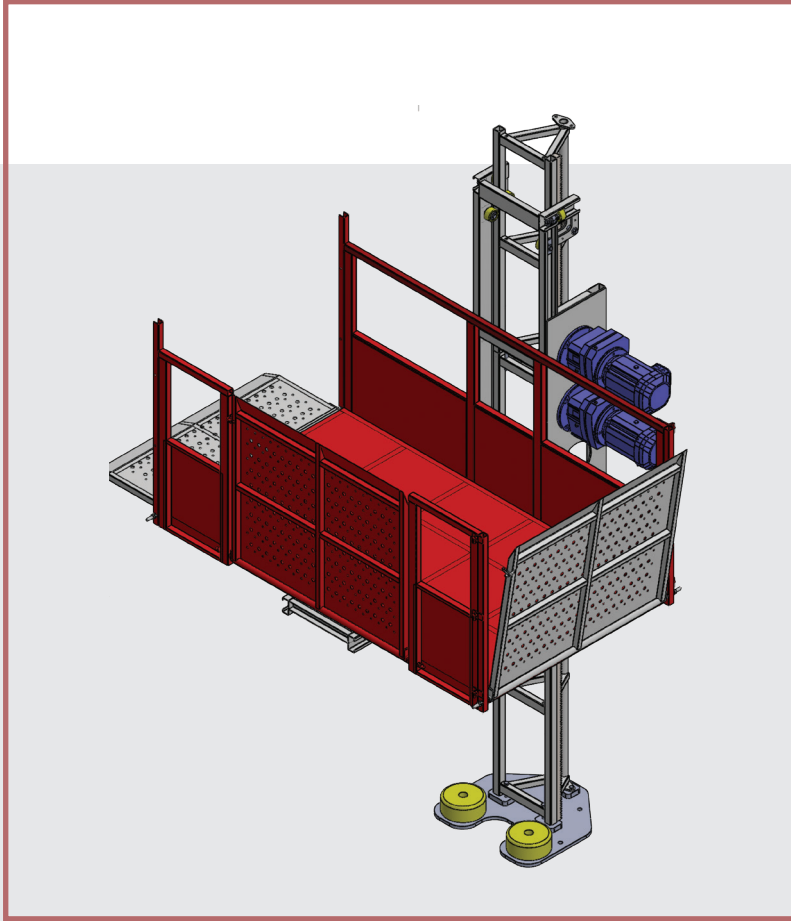
This model has a lifting capacity of up to 1000 kg and is designed to carry light weights in the most suitable and efficient way within not so busy construction sites, factories, and bridge and viaduct constructions.

In addition to various cabin and gate designs, a frequency control device (inverter) is used as standard in all our models as it causes less vibration, increases the service life of the rack and pinions, and reduces power consumption.

All our construction hoist models are controlled by microprocessors that work with minimum error rate.

### TECHNICAL SPECIFICATIONS

|                              |                       |
|------------------------------|-----------------------|
| Capacity                     | 1000 kg               |
| Cabin Dimensions             | 2000 x 1400 x 1100 mm |
| Base Unit Dimensions         | 2516 x 2247 mm        |
| Trellis Weight               | 54 kg                 |
| Lifting Speed                | 12-24 m/min           |
| Max Anchored Height          | 150 m                 |
| Supply Voltage               | 400 V                 |
| Protection Switch            | 63 A                  |
| Power of The Motors          | 2 x 3 kW              |
| Starting Current             |                       |
| Suggested Minimum Line Power |                       |



**CONSTRUCTION HOIST**

**ERK 1500**

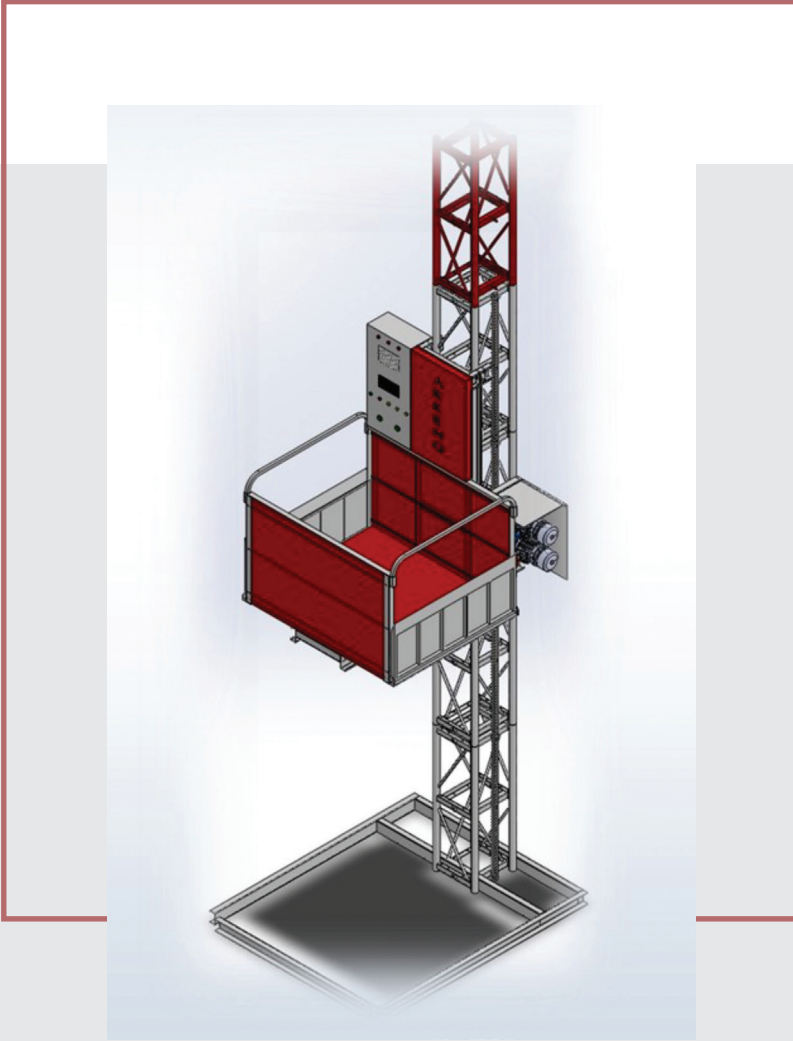
This model has a lifting capacity of up to 1500 kg and is designed to carry light weights in the most suitable and efficient way within not so busy construction sites, factories, and bridge and viaduct constructions.

In addition to various cabin and gate designs, a frequency control device (inverter) is used as standard in all our models as it causes less vibration, increases the service life of the rack and pinions, and reduces power consumption.

All our construction hoist models are controlled by microprocessors that work with minimum error rate.

**TECHNICAL SPECIFICATIONS**

|                              |                       |
|------------------------------|-----------------------|
| Capacity                     | 1500 kg               |
| Cabin Dimensions             | 3400 x 1400 x 1100 mm |
| Base Unit Dimensions         | 2516 x 2247 mm        |
| Trellis Weight               | 54 kg                 |
| Lifting Speed                | 16-24 m/min           |
| Max Anchored Height          | 150 m                 |
| Supply Voltage               | 380 V                 |
| Protection Switch            | 63 A                  |
| Power of The Motors          | 2 x 4 kW              |
| Starting Current             |                       |
| Suggested Minimum Line Power |                       |



## CONSTRUCTION HOIST

# ARK 1000

This model has a lifting capacity of up to 1000 kg and is designed to carry light weights in the most suitable and efficient way within not so busy construction sites, factories, and bridge and viaduct constructions.

In addition to various cabin and gate designs, a frequency control device (inverter) is used as standard in all our models as it causes less vibration, increases the service life of the rack and pinions, and reduces power consumption.

All our construction hoist models are controlled by microprocessors that work with minimum error rate.

Single or double cabin operation is possible on a single mast. It is suitable for personnel and material transportation.

### TECHNICAL SPECIFICATIONS

|                           |                              |
|---------------------------|------------------------------|
| Capacity                  | 1000 kg                      |
| Cabin Width (Inner Bore)  | 1.0 m – 1.4 m                |
| Cabin Length (Inner Bore) | 1.5 m – 2.5 m                |
| Cabin Height              | 2.15 m                       |
| Maximum Working Height    | 200 m                        |
| Speed                     | 38 m/min or 52 m/min         |
| Engine                    | 2 x 9,2 kW                   |
| Power                     | 380-500 V, 50-60 Hz, 3-phase |



**CONSTRUCTION, PERSONNEL  
AND MATERIAL HOIST**

## ARK 2000

The ARK-2000 has the capacity to carry 2 tons, and it is our most-in-demand hoist model. It is designed for medium and high density work sites for high productivity and heavier conditions.

The gear reducers used in this product are specially designed by us, and the frame is made from nodular cast iron.

In addition to various cabin and gate designs, a frequency control device (inverter) is used as it causes less vibration, increases the service life of the rack and pinions, and reduces power consumption.

In addition to manual control, we also provide fully automatic control alternative as an option.

The ARK-2000 is quite suitable for inner-shaft applications. It can easily be transported to the exterior through corridors after the facade lift bolts are uninstalled even if the top of the pits is closed.

The ARK-2000 includes a load cell like all our hoist models.

### TECHNICAL SPECIFICATIONS

|                               |                                    |
|-------------------------------|------------------------------------|
| Capacity                      | 2000 kg                            |
| Maximum Speed                 | 36 m/min                           |
| Maximum Working Height        | 200 m                              |
| Cabin Measurements            | 1400 x 3000 x 2150 mm              |
| Safety Equipment              | GF (accuracy parachute)            |
| Power                         | 380-500 V, 50-60 Hz, 3-phase       |
| Mast Type                     | Square mast                        |
| Mast Weight (with Gear)       | 74 kg                              |
| Mast Measure                  | 510 x 510 x 1508 mm                |
| Mast Height without Anchoring | 6 m                                |
| Engine Power                  | 11 kW - 2 units (MGM, brake motor) |
| Engine Drive                  | 37 kW (Mitsubishi FR A Series)     |
| Ending Mast                   | Available                          |
| Remote Control (Revision C.)  | Available                          |
| Limit Switch                  | Available (Telemecanique)          |
| Emergency Stop Button         | Available                          |
| Weight Control Device         | Available                          |
| Manual Landing                | Available                          |
| Guard Rail                    | Available                          |
| Certifications                | CE, ISO 9001:2008                  |





**CONSTRUCTION, PERSONNEL  
AND MATERIAL HOIST**

# ARK 3000

The ARK-3000 is the latest technology in rack and pinion personnel and material hoists. It is widely accepted as one of the largest and most reliable personnel and material hoists in the market.

One of the many important technological developments in this rack and pinion hoist is the variable frequency controller. This hoist provides higher speed (100 m/min), more precise driving and more precise leveling than earlier rack and pinion hoist models.

The ARK-3000 is suitable for heights up to 500 m. It is a personnel and material hoist intended for use in high and super high construction projects.

| TECHNICAL SPECIFICATIONS  |                                 |
|---------------------------|---------------------------------|
| Capacity                  | 3000 kg                         |
| Cabin Width (Inner Bore)  | 1.4 m                           |
| Cabin Length (Inner Bore) | 3 m - 3.4 m                     |
| Cabin Height              | 2.15 m                          |
| Maximum Working Height    | 200 m (adjustable upon request) |
| Speed                     | 38 m/min, 52 m/min or 90 m/min  |
| Engine                    | 3 x 11 kW                       |
| Power                     | 380-500 V, 50-60 Hz, 3-phase    |





**MAST CLIMBING  
WORKING PLATFORM**

**ARK  
PL4000**

Mast climbing working platforms are produced to meet the requirements of facade constructions of the houses and offices, sheathing and restoration of old buildings. By the help of wheeled lower frame, it is easily transported from a facade or site to other. Its modular structure allows easy assembly or disassembly and adaptation to projects with different facades.

**TECHNICAL SPECIFICATIONS**

|                              |   |
|------------------------------|---|
| Speed                        | 9 m/min   |
| Maximum Working Height       | 150 m   |
| Platform Width (Inner Bore)  | 1.6 m   |
| Platform Length (Inner Bore) | 6 m / 1800 kg<br>9 m / 1500 kg<br>12 m / 1000 kg<br>13.5 m / 750 kg |
| Power                        | 380-500 V, 50-60 Hz, 3-phase  |
| Engine                       | 11 kW   |
| Mast Measure                 | 510 x 510 x 1508  |
| Mast Weight                  | 78 kg   |
| Mast                         | Single  |
| Gear Module                  | 5   |




| TECHNICAL SPECIFICATIONS     |   |
|------------------------------|---|
| Speed                        | 9 m/min   |
| Maximum Working Height       | 150 m   |
| Platform Width (Inner Bore)  | 1,6 m   |
| Platform Length (Inner Bore) | 12 m / 3900 kg<br>15 m / 3500 kg<br>18 m / 3200 kg<br>21 m / 3000 kg<br>24 m / 2750 kg<br>27 m / 2400 kg<br>30 m / 2250 kg<br>33 m / 1500 kg<br>36 m / 900 kg |
| Power                        | 380-500 V, 50-60 Hz, 3-phase  |
| Engine                       | 11 kW X 2 units   |
| Mast Measure                 | 510 x 510 x 1508  |
| Mast Weight                  | 78 kg   |
| Mast                         | Double  |
| Gear Module                  | 5   |

**MAST CLIMBING  
WORKING PLATFORM**


**ARK  
PL4000C**

The ARK-PL4000C model is designed for wider facades and allows more personnel to work on a wider field. Therefore, completing larger facades takes shorter time, resulting in time and cost savings.



ERKAMAK ARK-2000  
hoists have been installed  
at the Galataport  
construction site.

# ERKAMAK



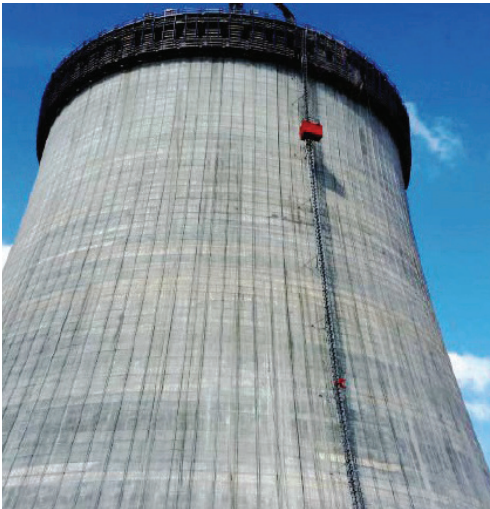
ERKAMAK ARK-2000  
hoists have been installed  
at the Galataport  
construction site.

***continues to be among top  
choices for major projects,  
such as Galataport İstanbul.***

# INDUSTRIAL HOISTS

These hoists are used in industrial sites, bridges, viaducts, energy plants, gas and oil platforms, mining, subway constructions, ports etc. for the purpose of carrying personnel and materials both vertically and horizontally.

**INDUSTRY** Our material and personnel hoists are used in plants such as cement, chemical, textile plants for the purpose of carrying personnel and materials both vertically and horizontally safe and smoothly.

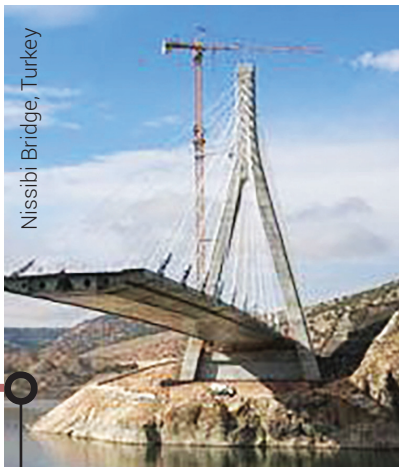
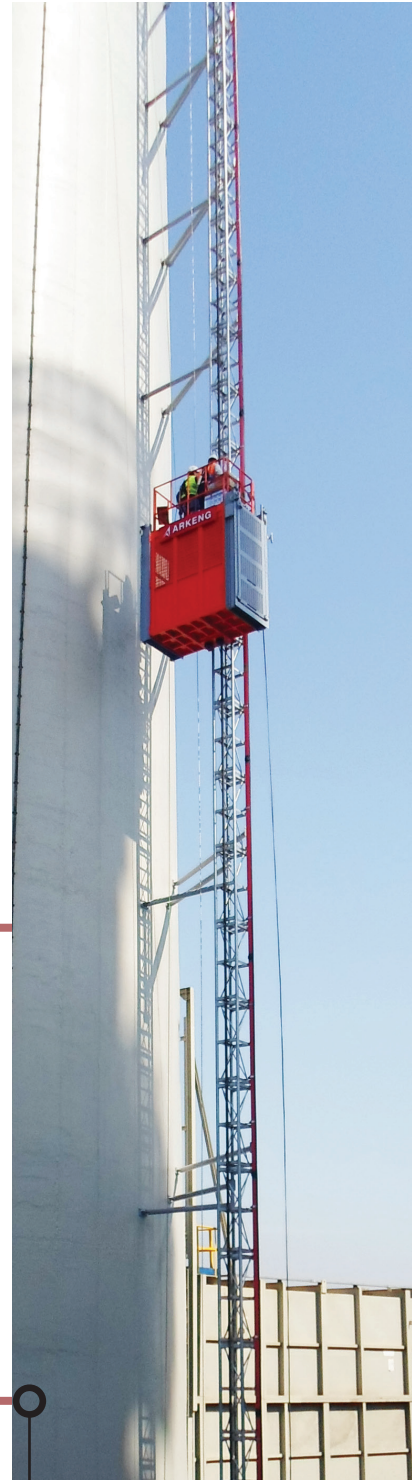


Eyişte Viaduct / Hadim, Konya, Turkey (155 m)

| TECHNICAL SPECIFICATIONS  |                                 |
|---------------------------|---------------------------------|
| Capacity                  | 200 kg – 7000 kg                |
| Cabin Width (Inner Bore)  | 1.0 m – 1.4 m                   |
| Cabin Length (Inner Bore) | 1.4 m – 3.0 m                   |
| Cabin Height (Inner Bore) | 2.15 m                          |
| Maximum Working Height    | 200 m (adjustable upon request) |
| Speed                     | 38 m/min or 52 m/min            |
| Engine                    | 380-500 V, 50-60 Hz, 3-phase    |

## PORTS

Our construction hoists work out fast, safe and economic solutions for the purpose of carrying both material and personnel. We can produce custom-made hoists according to the requirements of the job. Our mast climbing working platforms that are used for the shipbuilding of large boats and ships can be operated fast and safely for the workloads such as the construction, repair, maintenance and paintjob of a hull.



Nissibi Bridge, Turkey

## BRIDGES

Both our material and personnel hoists as well as our mast climbing working platforms can be used during the construction of the abutments of a bridge. Our hoists may carry materials and personnel vertically and horizontally. Our platforms let you complete the construction quickly and efficiently.



Kardemir, Karabük, Turkey

## ENERGY

We have material and personnel hoists for use in the energy industry such as hydroelectric power plants, nuclear plants and wind turbines. We can produce custom-made orders by making custom sizes and adding features, taking the project's specific needs into account.

## MINING

Our construction hoists allow materials and personnel to be carried in mining pits both vertically and horizontally in a safe and efficient manner.



## INCLINED ELEVATORS

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Inclined elevators can move on naturally angled slopes on masts that are up to 45°. Masts are paved for every 9 meters on the concrete foundation either by a steel carrier or concrete carrier system. Elevator moves on these masts. This allows an extensive construction work to be completed in a lower altitude. Thanks to the inclined elevators, the obstacles that mother nature presents can be passed over gently, without putting the nature at risk. Inclined elevators can move silently and safely up to the speed of 1 m/sec.







## WIND TURBINE HOISTS

---

These hoists are designed to have wind turbines' periodic maintenance to be completed as safe and as fast as possible. Depending on the need, the wind turbine, both already erected or new, may be fitted with a hoist safe and fast. In case of an occupational accident, injury or sickness in the nacelle of a wind turbine, getting to the workers as fast as possible may be a life saving measure. Wind turbines that don't have a hoist present a serious risk in terms of a rescue operation.

- Controllable from inside of the cabin
- Electrical and mechanical safety systems
- Frequency inverter (frequency control)
- Overload sensor (optional)
- Remote control (optional)
- 1.85 kw x 2 motors
- Bidirectional rack and pinion gear
- Helical gear reducer
- 600 x 1200 x 2150 mm
- 200 kg / 2 persons





## ARK-TCH200

The ARK-TCH200 is designed for tower crane operators to reach the tower crane safely and quickly. It can be assembled inside or outside of the tower crane masts no matter if they are old or new, according to the requirement.

In case of injuries or sickness of the operator, reaching him as quickly as possible could be a life-saving matter. It is quite difficult and dangerous to perform such an action through the stairs of the crane if there is no hoist available.

- Controllable from inside of the cabin
- Electrical and mechanical safety systems
- Frequency inverter (frequency control)
- Overload sensor (optional)
- Remote control (optional)
- 1.85 kw x 2 motors
- Bidirectional rack and pinion gear
- Helical gear reducer
- 600 x 1200 x 2150 mm
- 200 kg / 2 persons





## CUSTOM HOIST SOLUTIONS

Along with the needs of our customers, made-to-order hoists which are mainly manufactured for factories and production facilities are designed with 3D drawing programs and easily applied to the inside or outside surfaces of these facilities. Capacity, speed and cabin dimensions are produced according to the size of the materials to be carried, loading method or required lifting speed.

Unlike usual hoists, as with all our models, the ARK-5000 does not need a pit or an engine room. Thus, these machines are easily assembled at any desired point by the company without additional costs.

| TECHNICAL SPECIFICATIONS                |               |
|---|---------------|
| Model                                   | ARK-5000      |
| Capacity                                | 5000 kg       |
| Speed                                   | 0-40 m/dk     |
| Max. Height (H)                         | (H) 200 m     |
| Cabinet Width (A)                       | (A) 2,5 m     |
| Cab Length (B)                          | (B) 4 m       |
| Cab Elevation (C)                       | (C) 2,3 m     |
| Number of Engine                        | 2x2 adet      |
| Control                                 | DOL/FC        |
| Security Notice GF (Accuracy Parachute) | Available     |
| Power (3-Phase)                         | 380 V - 50 Hz |
| Mast                                    | Double        |
| Mast Type                               | Square mast   |
| Mast Height                             | 1.508 m       |
| Mast Height (with Gear)                 | 130 kg        |
| Gear Module                             | 8             |





## INCLINED CONSTRUCTION HOISTS

Inclined construction hoists are designed to transport materials and personnel to the bridge abutments or to the surface of the cooling towers of a nuclear power plant where the surface has variable slopes. Much the same as other models we produce, we can offer different sizes and capacities for our inclined construction hoists depending on the project.

### TECHNICAL SPECIFICATIONS

|                           |                                 |
|---------------------------|---------------------------------|
| Capacity                  | 200 kg – 3000 kg                |
| Cabin Width (Inner Bore)  | 1.0 m – 3.3 m                   |
| Cabin Length (Inner Bore) | 1.4 m – 6.0 m                   |
| Cabin Height (Inner Bore) | 2.15 m                          |
| Maximum Working Height    | 200 m (adjustable upon request) |
| Speed                     | 38 m/min, 52 m/min or 90 m/min  |
| Engine                    | 380-500 V, 50-60 Hz, 3-phase    |





## CABIN

---

We produce all our models using the high technology ST-52 grade steel. Our customers may order the cabin's doors, bottom and side panels to be steel or they may choose a lighter option for all these cabin parts to be aluminum.

The exit doors of our cabins are vertical bi-parting type and are controlled automatically. For the sake of safety, the entrance doors of our cabins have a latch that locks the doors and the doors can only open when the hoist comes to a halt at any floor.



## MAST

---

The tubes that we use in our masts are steel drawn tubes with ST-52 grade steel. Though the standard sizes are 510 x 510 x 1508 mm and 720 x 720 x 1508 mm, we are able to produce different sizes for the project. The mast types we produce are designed in 3D on applications like Catia, Solidworks and Ansys and they only get produced once they pass the endurance test. Each mast can be fitted with cogwheels on both sides. This allows two cabins to be driven on a single mast. All our masts are hot-dip galvanized.



## COMMAND

---

According to the needs of our customers, our industrial hoists can be controlled in two different ways.

- 1. Standard command:** This is the control by an operator. The operator commands the hoist using a joystick and takes it to the desired height.
- 2. Automatic control:** The hoist can be commanded not only from within the cabin but also externally. The operator can get to the height or to the floor he likes by pushing a single button.



## FREQUENCY INVERTER

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Smooth first motion and coming to a halt help the gearmotors that allow the mechanical motion to have a longer expected life. This also helps the hoist to reach speeds up to 100 m/min. Our industrial hoists use Mitsubishi's FR-A inverters which are known to be the highest quality products in its field.





**REFERENCES  
AROUND THE WORLD**

- Turkey
- Almaty, **Kazakhstan**
- Baku, **Azerbaijan**
- Algeria, **Algeria**
- Benghazi, **Libya**
- Erbil, **Iraq**
- Skopje, **Macedonia**
- Ashgabat, **Turkmenistan**
- Amman, **Jordan**
- Sofia, **Bulgaria**
- Batumi, **Georgia**
- Moscow, **Russia**

## HEADQUARTERS



### Address

Konaklar Mah. Selvili Sok.  
13/B Blok No: 10/1 4. Levent  
Beşiktaş - İstanbul / Turkey



### Phone

+90 212 279 55 58  
+90 530 794 11 07  
+90 532 556 03 50



### Email

info@erkamak.com.tr  
www.erkamak.com.tr



## MOSCOW OFFICE

Leninskaya Sloboda Street,  
26c46 Moscow / Russia

### Phone

+7 925 617 89 78  
+90 530 794 11 07



## NAPLES OFFICE

Via S. Gennariello, 26  
80040 Pollena  
Trocchia, NA / Italy

### Phone

+39 081 897 20 52  
+90 530 794 11 07



## BAKU OFFICE

Luxen Plaza (Building 1)  
16th floor AZ1008,  
Baku / Azerbaijan

### Phone

+994 50 201 22 05  
+90 530 794 11 07



## SOFIA OFFICE

Rayon Traditza,  
Ulitsa Lui Ayer  
No: 2 1404 Sofia / Bulgaria

### Phone

+359 877 939895  
+90 530 201 22 05