

## HEK MEDIUM RANGE

**Hek mast climbing work platforms  
and transport platforms**



*For better business*



## Hek modular system

Alimak Hek's Modular System M450 was designed to bring versatility and efficiency to the industry. With relatively few components, it can be configured to create various work platforms, transport platforms, or a combination of both.

The basic components of the modular system include a ground frame, a drive unit and a mast section. With these components, and add-ons such as adaptors, pendeldecks, deck sections and fences, virtually any type of work platform or transport platform can be created. This means greater flexibility and higher utilization for the fleet owner – resulting in significant economic benefits.

Alimak Hek 450 masts can also be used throughout the entire 450 hoist range. By having the ability to utilize the same mast simultaneously on a transport platform and a construction hoist – or as a component of a mast climbing work platform – the fleet owner is able to capitalize on savings in terms of mast stock, storage space and installation costs.

### Basic components



### Adaptors



### Platforms



### Ramps



### Fences



# Why a modular system?

The construction markets worldwide are constantly developing and changing. Modern architecture and building technology are progressing, and buildings today are constructed higher and more complex than just a few years ago. Construction companies, fleet owners and equipment manufacturers all must meet the challenges created by these trends, as well as those raised by more demanding regulatory, safety and efficiency requirements.

Alimak Hek focused on all these requirements when it developed the Hek Modular System – particularly for the range of work platforms and transport platforms. Our engineering team listened to the needs of the industry and decided the specifications of this product line would include:

- Minimization of the number of different parts required
- Maximized interchangeability of parts between various machines
- Low maintenance costs, easy service, short assembly times
- Higher lifting capacities and improved transport capabilities
- Improved compliance with the requirements of various global markets
- A state-of-the-art mast which can be used interchangeably between mast climbing, work and transport platforms.

## Benefits of the Hek Modular System

For the rental company, modular components mean less investment and lower inventory.

This also means better utilization of the equipment in the rental fleet. The flexibility of the modular system allows rental companies to respond more quickly and deliver faster responses to customer needs.

In addition to the high degree of flexibility within this medium 450 range several modules and parts are interchangeable with the other Alimak Hek products. By using identical components for the entire range, savings in terms of stock control, storage and installation costs are within reach.

As an added benefit, each transport platform range is fitted with a Variable Frequency Converter (VFC) which allows for:

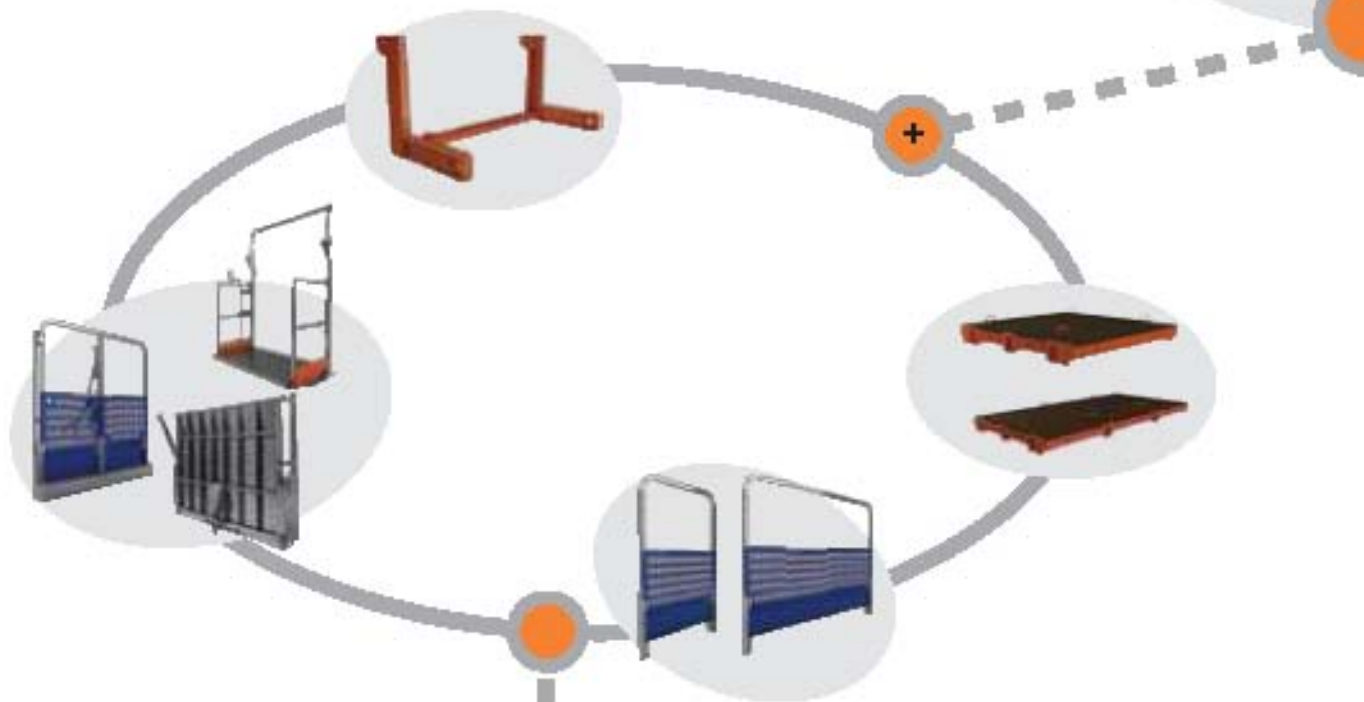
- Soft stop and starts – meaning an increase in comfort and safety, along with a reduced risk of damage to materials due to the machine's gradual starting acceleration and decelerating landing speed
- Optional machine operation irrespective of frequency (50–60Hz)
- Lower energy consumption
- Lighter fusing.

## Interchangeable components



There are several components that are interchangeable between the Light and Medium ranges within the Hek Modular System. These components can be used in both ranges:

- Platform sections
- Fences
- Entrance doors
- All types of exit ramps
- Anchors (except mast couplers)
- Mast rack and drive pinions
- Control panels
- Motor gear boxes
- VFC
- Dynamic overload
- Fail safe brake
- Control panel connectors.

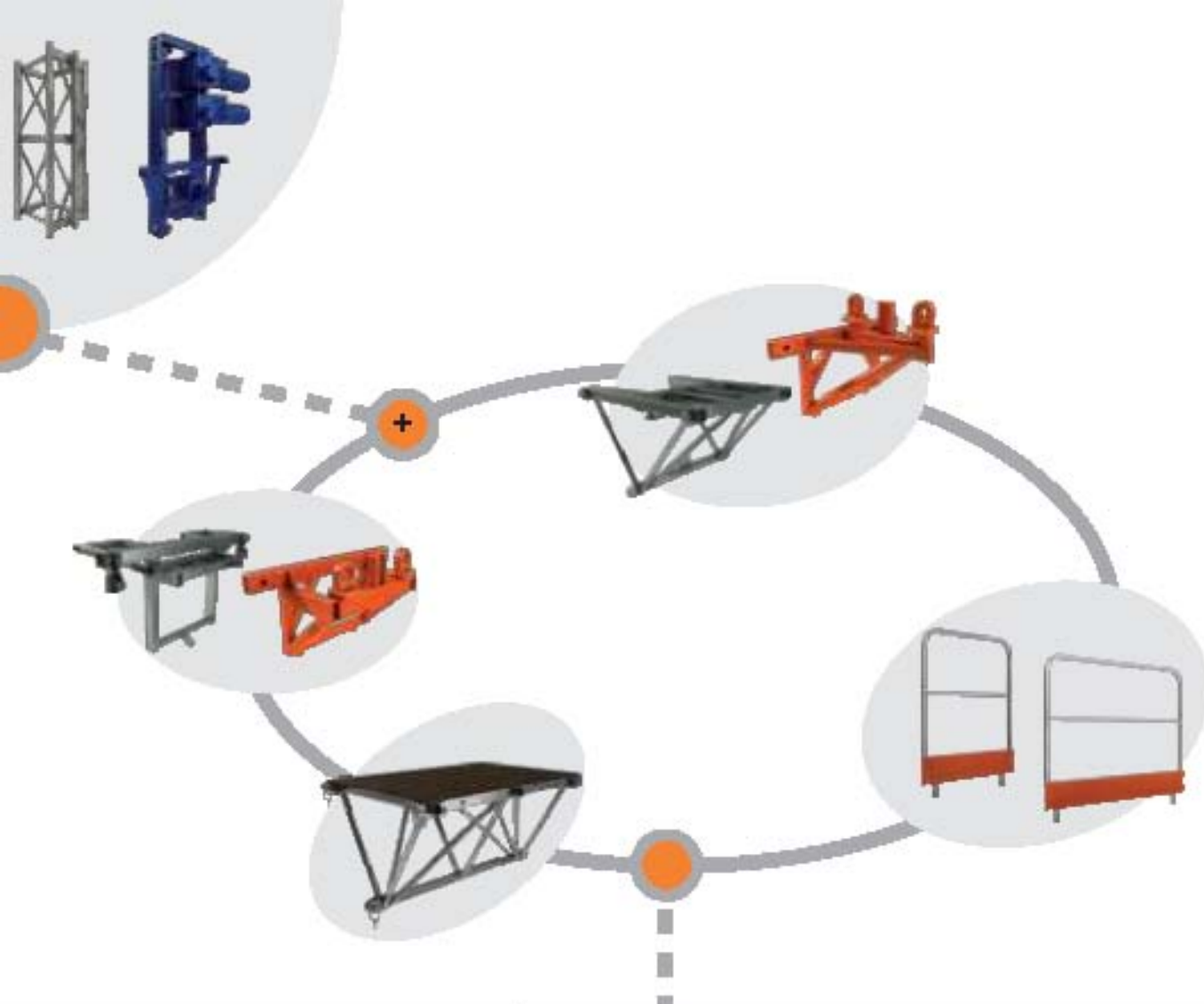
# Greater flexibility with fewer components




TRANSPORT PLATFORMS/MATERIAL HOISTS

				
	<b>HEK TPM 1600S</b>	<b>HEK TPM 1300SD</b>	<b>HEK TPM 3000T</b>	<b>HEK TPM 3000T2</b>
Platform length (m)	1.6	1.6	4.8	3.2
Platform width (m)	1.6	3.2	1.6	3.2
Max payload (kg)	1,600	1,300	3,000	3,000
First anchor position (m)	3	3	3	3
Max lifting height tied (m)	200	200	200	200
Tie distance max (m)	8-10	8-10	8-10	8-10
Free topmast (m)	4.5	4.5	4.5	4.5
Max no of people*	5 (TP)	5 (TP)	8 (TP)	8 (TP)
Mast type	450	450	450	450
Speed	12/24 m/min	12/24 m/min	12/24 m/min	12/24 m/min

\*Max number of people depending on local regulations.



### MAST CLIMBING WORK PLATFORMS

				
<b>HEK TPM 300-0TD</b>	<b>HEK TPM 400-0T</b>	<b>HEK MCM Single</b>	<b>HEK MCM Twin</b>	<b>HEK MCM AB8A</b>
1,6	3,2	2,9-10,4	10,2-32,6	51
3,2	1,6	1,5-2,7	1,5-2,7	1,5-2,7
3,000	4,000	2,680	5,150	2x 2,000
3	3	3	3	3
200	200	200	200	200
8-10	8-10	8-10	8-10	8-10
4,5	4,5	4,5	4,5	4,5
8 (TP)	8 (TP)	3	6	2x 3
450	450	450	450	450
12/24 m/min	12/24 m/min	12 m/min	12 m/min	12 m/min



*Example of a project: Brebuild, Belgium  
Two HEK TPM 1300SD on one mast used for a renovation project.  
Contractor: Brebuild. Location: Antwerp, Belgium.*

*Another example of a project: CCB, Belgium  
Twin mast HEK TPM 4000T used for maintenance work on a cement factory.  
Client: CCB. Location: Doornik, Belgium.*





*The Alimak Hek Group is the world's leading supplier of mast climbing equipment and added value services for both temporary and permanent installations, providing the most cost efficient, reliable, and flexible vertical access solutions for people and materials in the construction and general industry.*

*The Alimak Hek Group is owned by Triton, an independent European private equity investor, focusing on investing in companies with leading market positions in attractive industry niches. Triton has offices in Sweden, Germany and the UK.*

**[www.alimakhek.com](http://www.alimakhek.com)**

**Alimak Hek Manufacturing B.V. is ISO 9001-2000 approved**



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