

TPL 2000

TPL 2000 D

TPL 1800

## Transport Platform & Material Hoist



*Access anytime, anywhere*

TPL 2000

TPL 2000 D

TPL 1800

## Lightweight Strength Flexibility and Simplicity

Alimak Hek is the world's leading supplier of rack and pinion vertical access solutions for people and materials in the construction industry. As part of our ongoing program of development, Alimak Hek has strengthened its light range with the new TPL TWIN MAST, personnel and material transport platform. It's simple, flexible and robust design puts it ahead of its competitors and is suitable for all vertical access to buildings or scaffoldings, either for new constructions or for refurbishments.

The TPL TWIN MAST is designed with sophisticated and modern software which has been used by highly experienced professional designers to develop a product that has optimized weights, resistance and practical utilization to create a customer offering that is best in class.



### The electric control panel

All command required for use of the platform and control of the safety systems are contained in this unit, placed. The key-switch is also positioned on the panel and permits use as a Transport Platform (speed of 12 m/min) or Material Hoist (speed 24 m/min).

### The structure

The structure is made up of bended and perforated plates, which in addition to being a structural element becomes a rigid and anti-slip walking surface. Hot dip galvanizing ensures that the surface remains the same over time, avoiding the need for maintenance and replacement of the surface itself. Erection platform and ramps use the same construction system and surface treatment process.

### The erection platform

The erection platform facilitates smooth operation with regards to fastening the masts during erection and fastening the mast ties to the wall, and can be positioned on both sides of the platform.

### The drive unit

The drive unit runs on a mast sections (hot dip galvanized) by means of a series of guide rollers, mounted on a tandem frame to distribute the pressure in a consistent manner, giving rise to less wearing, a smoother travel and a longer life for the mast sections. The two-speed or single-phase gear-motor overload system and safety device system are all installed in the centre.

### The mast sections

The mast sections are fixed to each other by means of four eyebolts, making assembly quick and safe and thereby eliminating the risk of loss. The rack is screwed to the mast.

# The TPL TWIN MAST Configurations

The machines are available in three different configurations depending on size and payload.

## TPL 2000

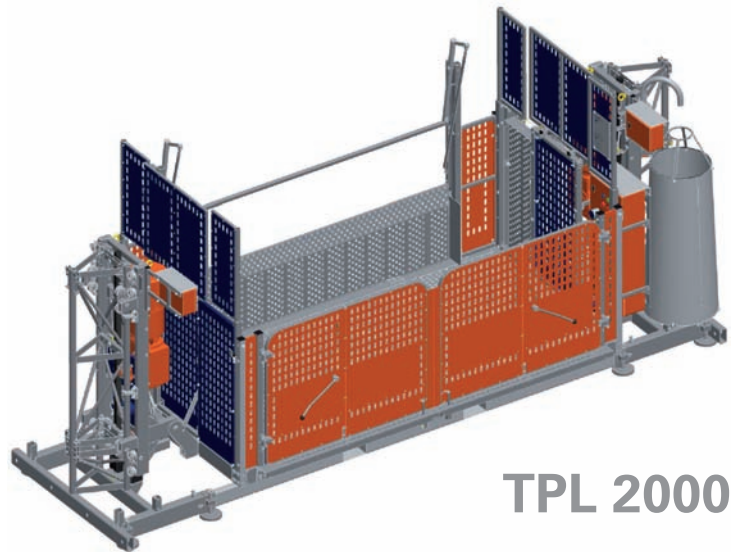
3.2 x 1.5 m size, 2000 kg payload, parallel to the façade.

## TPL 2000 D

1.5 x 3.2 m size, 2000 kg payload, transversal to the façade.

## TPL 1800

4.4 x 1.5 m size, 1800 kg payload, parallel to the façade.



TPL 2000

## The base frame

The base frame (hot dip galvanized) with the levelling screw jacks has smaller dimensions than the platform size, making it easy to position the machine even in very narrow places. The first mast section is screwed on as is the cable basket (till 100 m).

## The load ramp

The Exit side consists of a Ramp system which includes a control bar system with vertical or horizontal bar opening. The entrance side consists of a bi-foldable gate system which permits easy loading of the platform with a fork-lift, or when it is to be used as a Transport Platform. The Exit Ramps and the Entrance doors are available in several sizes.

## Mast height components

The tie in is fixed on the mast sections with a double frame that affords greater rigidity to the masts. There is greater flexibility in the positioning of the fastening pipes, both to the scaffolding and the wall, and can be positioned at distance not more than 7.5 m. The cable guide keeps the hybrid cable (power and control) in the correct position to allow easy storage in the cable basket during operation. This ensures greater safe particularly in windy conditions.

## Landing gates

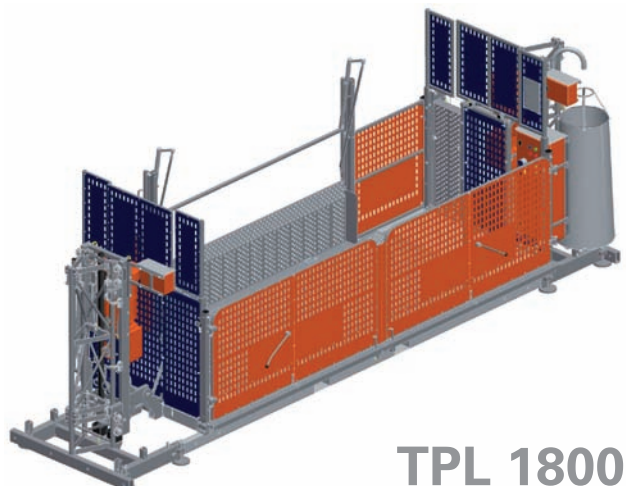
The landing gates with mechanic interlock (and electric on request) are in compliance with the late provisions of the Machines Directive. These can also be equipped with a call push-button panel and are easy to assemble on both the scaffolding and the building's landings.

## Accessories

Roof is available on request.



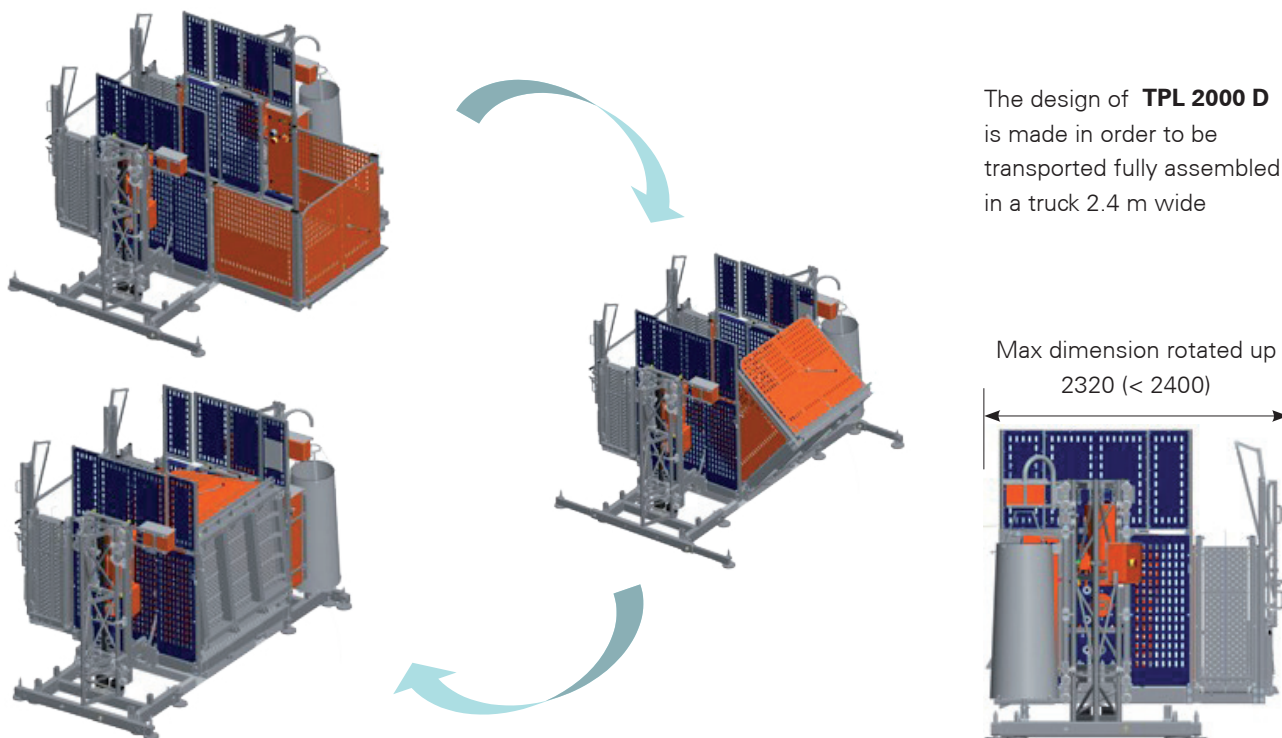
TPL 2000 D



TPL 1800



# TPL 2000 D TRANSPORT ADVANTAGE



The design of **TPL 2000 D** is made in order to be transported fully assembled in a truck 2.4 m wide

Max dimension rotated up  
2320 (< 2400)

## Technical Specifications

	TPL 2000	TPL 2000 D	TPL 1800
Payload capacity (kg)	2000	2000	1800
N. of persons max (incl. on payload)	TP mode 7	7	7
N. of persons -	MH mode 0	0	0
Lifting speed (m/min)	TP mode 12	12	12
Lifting speed (m/min)	MH mode 24	24	24
Platform dimensions [W × L]	3.2 × 1.5	1.5 × 3.2	4.4 × 1.5
Max Lifting height (tied)	100* m	100* m	100* m
Max Tie distance (m)	7.5	7.5	7.5
Max Overhang (m)	4.5	4.5	4.5
Max 1st Tie Height (m)	6	6	6
Power supply	400 V - 50 Hz, 3Ph	400 V - 50 Hz, 3Ph	400 V - 50 Hz, 3Ph
Rated Power (kW)	2 × 3.8 (TP) / 2 × 7.6 (MH)	2 × 3.8 (TP) / 2 × 7.6 (MH)	2 × 3.8 (TP) / 2 × 7.6 (MH)
Rated current (A)	15.4 (TP) / 30.4 (MH)	15.4 (TP) / 30.4 (MH)	15.4 (TP) / 30.4 (MH)
Power consumption (kVA)	10.8 (TP) / 21.0 (MH)	10.8 (TP) / 21.0 (MH)	10.8 (TP) / 21.0 (MH)
Type of mast	Triangular 350, tubular steel with intergrated bolts ( <i>all models</i> )		

\* Increased lifting height on request.