



**3S INDUSTRY**  
SAFE | SIMPLE | SPECIALIZED

# Vertical Ladder Hoist



# Company Profile

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3S Industry Group INC. is a China-based leading provider of equipment and services for people working at height. Our products have been applied in 17 different industries and exported to more than 70 countries. Our core business is the wind industry. With our strong focus on R&D, we have been granted for more than 600 patents and obtained over 100 global safety qualification certificates. We strive to support our customers and makes a better future in the field of working at height.

Headquartered in Beijing, 3S Industry has Manufacturing Centers in Beijing and Tianjin. With wholly-owned subsidiaries in Dallas (USA), Hamburg (Germany), Chennai (India), Tokyo (Japan), Jaraguá do Sul City (Brazil), and Dubai (UAE). Our global after-sales service teams provide on-site installation and maintenance services for our customers around the world. This way, 3S Industry ensures quick and reliable technical support, offering one-stop-shop service for our customers.

With our 3S brand creed Safe, Simple, Specialized, we are dedicated to our mission of providing products and services that exceed customer expectations. We strive to make our products the best in their field. We use scientific and technological innovation to drive the development of integrative solutions that serve people working at height.

**2005**

Year  
Established

**1<sup>st</sup>**

Market Share in Our  
Specialized Segment Within  
the Wind Power Industry

**600+**

Global Patents

**11**

Global  
Subsidiaries

**180,000+**

Units of 3S Work-at-Height  
Products in Service

**100+**

Global  
Qualifications

**900+**

Employees

**5,000+**

Wind Farms Utilizing  
3S Products

**20+**

Global Standards



● Headquarters      ● Subsidiary      ● Countries and regions where 3S LIFT products are used



R&D Center in Beijing(YiZhuang)



Factory in Tianjin



North America Branch in Dallas



Europe Branch in Hamburg



India Branch in Chennai



Japan Branch in Tokyo



Brazil Branch in Jaraguá do Sul

# Vertical Ladder Hoist

Vertical Ladder Hoist boasts 300kg safe working load, 50m max height(can be customized). It uses rack-and-pinion tech, has a detachable 90°-swivel cradle, and a slim mast (40% smaller footprint) compatible with most scaffolding. It cuts trips/labour costs, boosts safety vs. hoists, and ensures high ROI via reusability.

## Features

- Clamp on design system
- 300 kg safe working load capacity
- Up to 50m travelling height
- Frequency inverter control system
- 3S rack and pinion technology
- Detachable / moveable transport cradle
- 90 degrees swivel in cradle
- Slim ladder type mast profile

## Advantages

- Compatibility with most scaffolding systems in the market
- Able to carry substantial scaffolding and materials per trip
- Fit for purpose in majority of all scenarios
- Reduced current load and smooth start/stop operation
- Continuous installation following actual site progress
- Continuous operation without loading down time
- Safe operation and removal of materials from height
- Space saving due to 40% reduction in footprint

## Benefits

- High re-usability in other projects improving ROI
- Less trips = Better efficiencies
- Reduced labour costs and manpower
- Dramatically improved safety over conventional electric hoists
- Serves as material transport equipment even after scaffolding installation.
- Improved installation and removal duration





## Product Specifications

Model	VH01L300
Drive type	Rack and Pinion
Max. rated load (kg)	300
Max. lifting speed (m / min)	20
Anti-fall braking distance (m)	≤ 1.4
Lifting height (m)	50 (Can be customized)
Platform dimensions (mm)	Before expansion 880×1260×1400
	After expansion 880×1260×2090
Single rail length / weight (m / kg)	1.96 / 24.5
Drive unit dimensions (mm)	840 × 440 × 1900 / 1370
Drive unit weight (kg)	140
Motor power (kw)	2.2
Operating voltage	230 V 50 Hz
Maximum operating current (A)	16
Control voltage	AC 24 V 50 Hz
Noise level (dB)	≤ 79
Operating temperature	-20°C to 55°C
Certification / Standard	CE / EN 12158-1

## Product Details



Drive Unit



Top Section



Bottom Section



Standard Rail Section



Transport Cradle with Extension



Transport Cradle without Extension



## Industrial Application



## Material Handling



## Construction





Scan to learn more



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