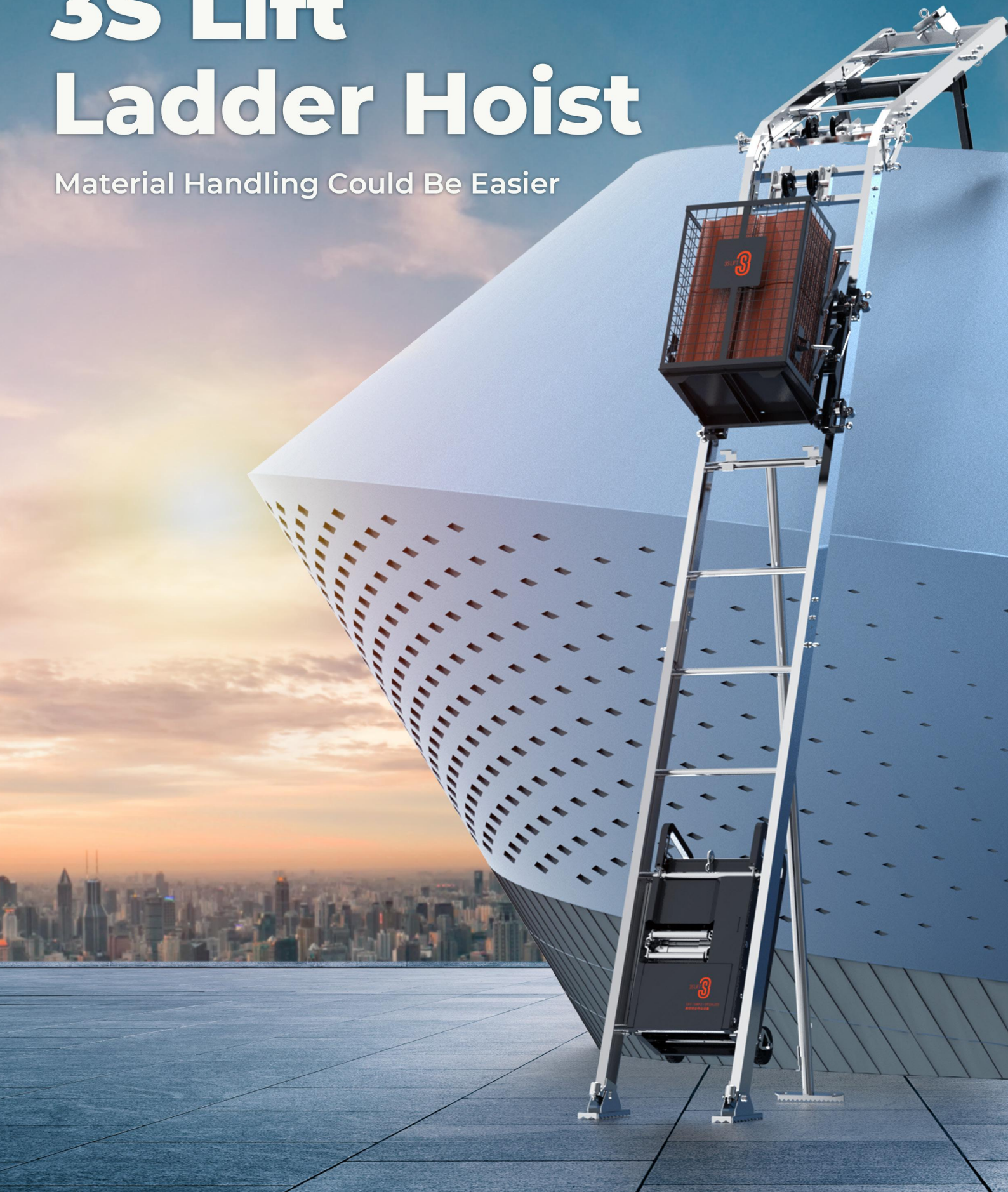


3S Lift Ladder Hoist

Material Handling Could Be Easier



Ladder Hoist

Introduction

The 3S Lift Ladder Hoist is a customized portable solution for lifting various materials. Using limited space, it can stably and efficiently lift heavy materials to a designated height.



Ladder Hoist

Application

- Building construction and maintenance
- Roof photovoltaic installation
- Logistics cargo lifting (furniture/household appliances) etc.



Key Features



Simple

100% tool-free installation, using eye-nuts and bolts to connect the rail sections

2 persons can install the hoist in just 20 minutes (for 10 m rail length)



Portable

Small in size and light in weight, can be easily transported using just regular trucks or vans



Durable

Patented LBS rope groove design extends the service life of wire rope

Patented VFC system helps avoid inertia damage without changing speed

High strength aluminum alloy guide rail, reliable, durable and wear-resistant



Reliable

Equipped with safety catch mechanism, overload monitoring system, power failure protection, and emergency braking system, ensuring the safety of operators, materials, and the product itself



Multi-Purpose

Equipped with a variety of optional platforms, it's suitable for many applications, such as Roof PV installation, Construction & Maintenance, Logistics & Storage (furniture/home appliances lifting), etc



Smooth start and stop(certain models)

The product offers smooth start and stop of operating thanks to the frequency conversion control system

Ladder Hoist

Basic components

1x 1.5 kW, 230 V/120 V, 50/60 Hz Drive Unit, (including 43 m wire rope (6 mm), a remote control with emergency stop switch, 16 m limit switch cable and a control box)

1x Load Carrying Device

1x Bottom 2 m Rail Section (Equipped with adjustable ground feet or wheels)

1x Rail Top Section



Ladder Hoist

Various Platforms

- 01 Plate Platform
- 02 Roof (Tile/Panel) Distributor
- 03 Large Rotary Platform
- 04 Universal Platform
- 05 Multi-Purpose Lifting Cage
- 06 Angle Adjustable Platform
- 07 Bucket Hanger
- 08 Solar Panel Platform
- 09 Vertical Solar Panel Platform

A variety of optional accessories
can meet different needs



Product details

01 Rail top section

This section features a steel wire rope reversing wheel that secures the wire rope from falling. Its carbon steel welding structure guarantees this section particularly solid and durable.

02

Roof support bracket

Using flexible material, this ductile piece provides support to the guide rails on the roof to ensure stability and protect the roof from damage.

03

Adjustable angle section

It can be adjusted between 20° – 42° to allow the rails to fit properly to the roof or other inclined surfaces.

04

Load carrying device

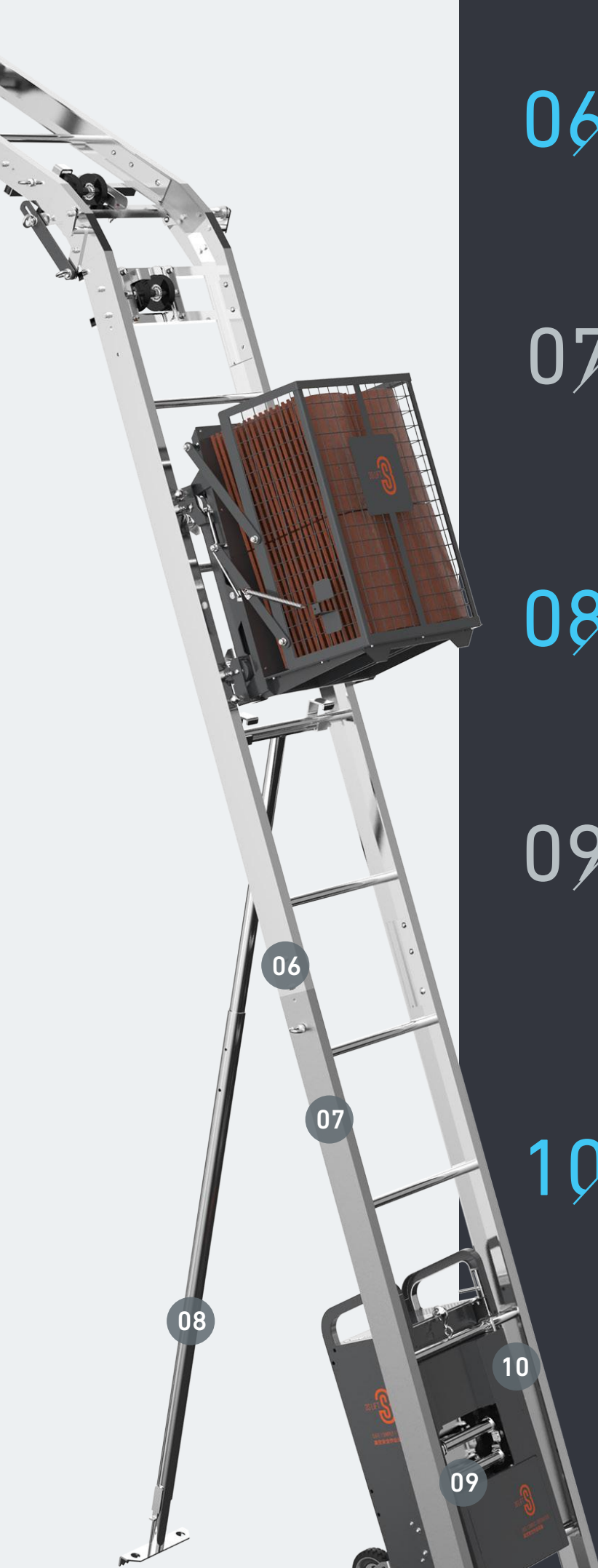
This robust and durable device is welded with carbon steel and offers a safety catch mechanism in case the wire rope breaks.

05

Multi-Purpose Lifting Cage

The convenient and easy-to-use lifting cage can be used to carry a wide range of materials.





06 Rail section connectors

By using special bolts and eye nuts, the guide rail sections can be installed and disassembled without tools, while still meeting the required torque.

07 Standard rail sections

The standard sections are built with high-strength aluminum alloy. There are 4 available standard lengths: 2 m, 1 m, 0.75 m and 0.5 m. Other lengths can be customized upon request.

08 Guide rail support

The length of the guide rail support can be easily adjusted from 5.4 m to 7.2 m to provide support to guide rails of different heights.

09 LBS grooved drum

The 3S Ladder Hoist uses LBS rope groove design. The grooves on the drum ensure the orderliness and even stress of multiple layers of wire rope during winding, reducing friction and extrusion deformation, so that the service life of the wire rope is greatly extended.

10 Drive unit

The drive unit features a manual lowering function, that allows the load carrying device to be lowered to the ground manually in case of power failure. It is also equipped with a rope winding device and casters for easy transportation. Model MH03L250-expert also offers a frequency conversion control system that makes the hoist start and stop more smoothly.

Ladder Hoist Specification

Model	MH03L250-expert	MH03L250-standard	MH03L200-standard
Rated load	250 kg	250 kg	200kg
Lifting speed	30 m/min	30 m/min	25 m/min
Smooth start/stop	Yes	No	No
Max. lifting height	19 m	19 m	19 m
IP class	IP54	IP54	IP54
Operating temperature	-20°C – +40°C	-20°C – +40°C	-20°C – +40°C
Drive unit weight	80 kg	80 kg	80 kg
Working angle	Ground angle 50 ° - 70 ° Adjustable angle section can be adjusted between 20 ° - 42 °	Ground angle 50 ° - 70 ° Adjustable angle section can be adjusted between 20 ° - 42 °	Ground angle 50 ° - 70 ° Adjustable angle section can be adjusted between 20 ° - 42 °
Wire rope	ø 6 mm, with a safety factor of 8	ø 6 mm, with a safety factor of 8	ø 6 mm, with a safety factor of 8
Power supply	230 V/110V	230 V	230 V



Ladder Hoist

After-sale service



Warranty

1 year



Overall maintenance free

It is only necessary to replace the wearing parts and reducer oil regularly to keep the equipment good as new. Besides, a wearing parts kit will be sent with each purchased unit for free.



Professional global service capability

- **365 d x 24 h** service time
- **15 min** to respond to customers
- **12 h** to diagnose fault
- **24 h** to offer solutions
- **48 h** to resolve complaint

Ladder Hoist

Certification

SGS

VERIFICATION OF MD COMPLIANCE

No.: MD SHES2208015688MD
Applicant: FICONT Industry (Beijing) Co., Ltd.
No. 15 Chuangyi East 2nd Road, Xij Development Zone,
Tongzhou, Beijing, 101106, P. R. China
Manufacturer: FICONT Industry (Beijing) Co., Ltd.
No. 8 Cuiyuan Road, Wuyang Development Zone, Tianjin
301700 P.R. China
Product Description: Material Hoist
Model No.: MHDL250, MHDL300, MHDL150
Additional Information (if any): Version 1
Sufficient samples of the product have been tested and found to be in conformity with
Test Standard: EN ISO 12100:2010, EN 60204-32:2008,
EN 12158-2:2009+A1:2010
as shown in the
Test Report Number(s): SHES220801568801-01, SHES220801568801-02
This Verification of MD Compliance has been granted to the applicant based on the results of tests
performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the
above-mentioned product in accordance with the provisions of the relevant harmonized standards under the
Machinery Directive 2006/42/EC. The CE mark as shown below can be affixed, under the responsibility of
the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC
Directives. The affixing of the CE marking presumes in addition that the conditions in the Directives are
fulfilled.

CE

Andrew Zhai
Technical Manager
SGS-CSTC
2022-08-31

SGS

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Page: 1 of 1

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Applicant: FICONT INDUSTRY (BEIJING) CO., LTD.
Address: No. 15 Chuangyi East 2nd Road, Xij Development Zone, Tongzhou, Beijing 101106
Country: CHINA
Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services Shanghai Limited
Control Number: 50097777
Authorized by: for L. Matthew Smyler, Certification Manager

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Intertek

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Safety Standard for Conveyors and Related Equipment (ASME B20.1:2021)
Motor-Operated Appliances (UL 73:2011 Ed.10-R:10Sep2021)
Electrical Standard for Industrial Machinery (NFPA 79:2020 Ed.2021)
Motor-Operated Appliances (Household and Commercial) (R2019) (CSA C22.3M68:2018 Ed.8-1/1)

Product: Material Hoist
Brand Name: 3S LIFT
Models: MHDL250, MHDL300 or 350

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48-93-103-100-2022-Intertek

3S Lift is committed to driving innovation in the industry. Our more than 100 R&D engineers ensure that our solutions always fulfill our 3S brand promise: "safe, simple, specialized". We have obtained certifications from ISO and OSHA (show ISO9001, 14001 and OHSAS18001) and cumulatively hold 380 patents.



About 3S LIFT

Ficont Industry (Beijing) Co., Ltd. (SH605305) is a China-based leading provider of equipment and services for people working at height. Our products have been applied in 16 different industries and exported to 61 countries. Our core business is the wind energy industry.

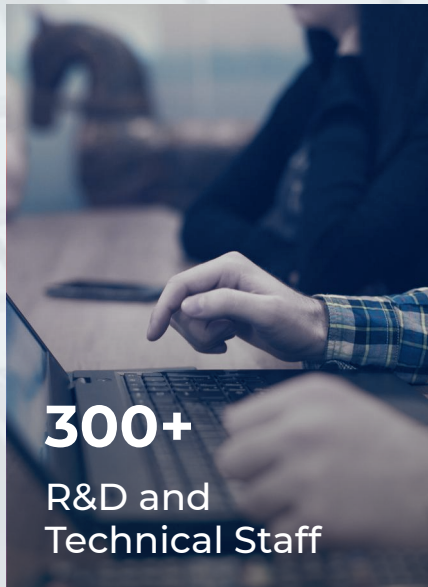
With our strong focus on R&D, we have been granted for more than 800 patents and obtained over 100 global safety qualification certificates. Ficont Industry has won many national awards, including “Specialized and Sophisticated” Enterprise, Intellectual Property Advantageous Enterprise and Demonstration Enterprise of Manufacturing Laureate.

Headquartered in Beijing, Ficont Industry has a factory in Tianjin, and wholly-owned subsidiaries in Plano (USA), Hamburg (Germany), Chennai (India), and Tokyo (Japan). We currently have over 800 employees. Our global after-sale service teams provide on-site installation and maintenance services for our customers around the world. This way, Ficont Industry ensures quick and reliable technical support, offering end-to-end one-stop service for our customers.





800+
Employees



300+
R&D and
Technical Staff



16
Industries



800+
International
Patents



100+
Global Product
Qualifications



10+
Domestic /
International
Standards



61
Countries

Ladder Hoist

Enterprise culture

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

Ladder Hoist

3S LIFT



Beijing
(Tongzhou)
R&D Center



Tianjin
Intelligent
Manufacturing
Center



**North
American**
Business
Development
Center



European
Subsidiary



Indian
Overseas
Customer
Service Center



Japanese
Subsidiary



Beijing
(Yizhuang) Park

Ficont Industry (Beijing) Co., Ltd.

No. 11 Tongji South Road, Economic
& Technological Development Area,
Beijing, China

Tel: +86 10 69597866

info-china@3sindustry.com

3S Americas, Inc.

2920 Telecom Parkway, Suite 400,
Richardson, TX 75082, USA

Tel: +1 312 6232662

info@3SAmericas.com

3S Europe GmbH

Erdmannstr. 10, 22765 Hamburg,
Germany

Tel: +49 40 32518887

info@3SEurope.de

3S Lift India Private Limited

Workafella Business Center-
51,Level 4, Tower A Rattha Tek
Meadows Old Mahabalipuram
Road, Rajiv Gandhi Salai,
Sholinganallur Chennai, Tamil
Nadu, India, 600119

Tel: +91 9600653379

info-india@3sindustry.com

3S Japan Co.,Ltd.

13-106, 17-4-chome,
Minamiaoyama, Minato City,
Tokyo 107-0062

Tel: +81 3-57863515

info-Japan@3sindustry.com