

LADDER HOIST

Material Handling Has Never Been Easier



Introduction

The Ladder Hoist provides customized solutions for lifting various materials to a height. It is portable, stable, and efficient for lifting heavy materials in a limited space.



Application Scenarios

- Low-rise building construction & roof maintenance
- Roof PV panel installation
- Cargo lifting (furniture/household appliances/warehouse goods etc.)



Key Features



Multipurpose

Various types of carrier platforms meet the needs of almost any scenario



Simple

The installation is tool-free. Just connect the rail ladder sections using eye nuts and bolts and spend 20 minutes to be finished by only two installers (for a 10m/33ft ladder)



Portable

The small-sized and lightweight design is suitable for regular truck or van transport



Stable

Smooth start and stop thanks to the frequency conversion control system. (specific models)



Durable

The aluminum alloy guide-rail ladder is high-strength and wear resistant



Reliable

The functions of fall protection, overload detection, power failure protection, and emergency braking prevent damage to the property and personnel

Basic Components

1x 1.5 kW/1.8KW, 230 V/120 V, 50/60 Hz Drive Unit,
(including 141 ft wire rope (1/4 inch), a remote control
with emergency stop switch, 52.50 ft limit switch
cable and a control box)

1x Rail-guided Carriage

1x Bottom 6-3/5 ft Rail Section (Equipped with adjustable
ground feet or wheels)

1x Rail Top Section



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



Structure

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 is particularly solid and durable.

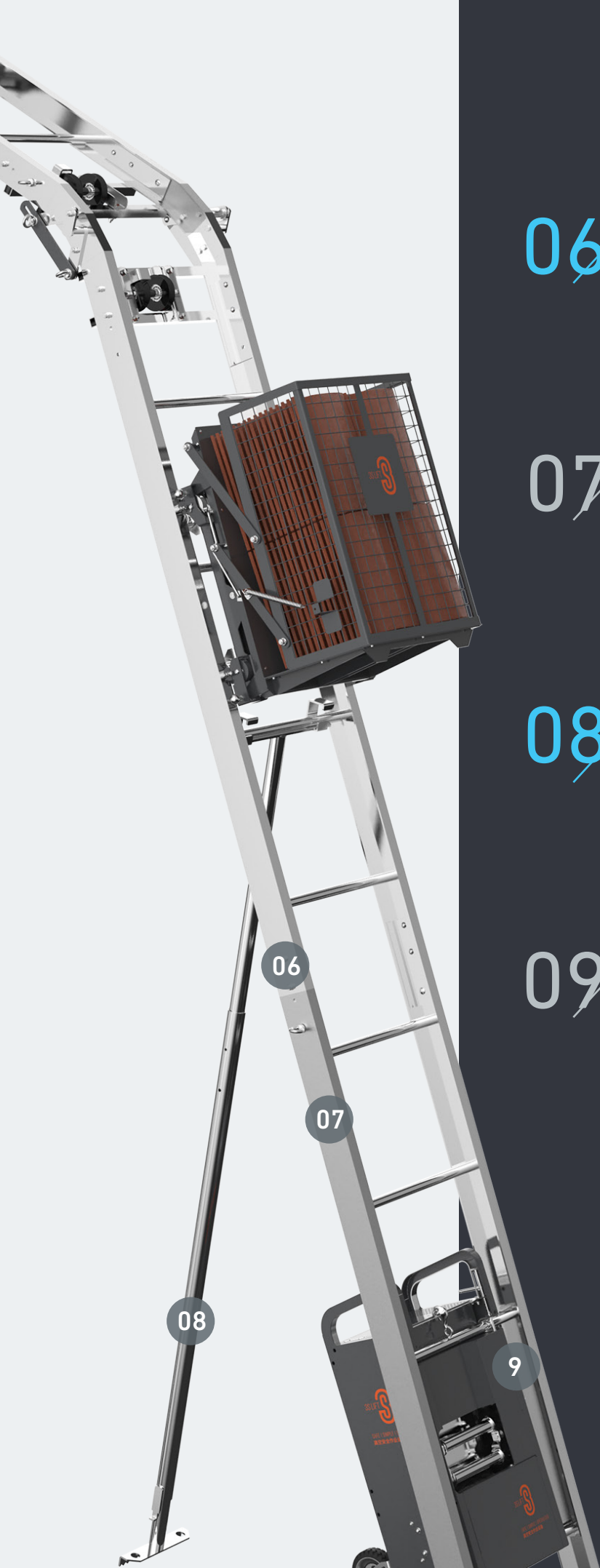
02 Roof support bracket
Using flexible material, this ductile piece provides support to the guide rails on the roof to ensure stability and protect the roof from damage.

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

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

05 Multipurpose cage
The convenient and easy-to-use lifting cage can 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: 6-3/5 ft, 3 ft, 2 ft and 1-3/5 ft. Other lengths can be customized upon request.

08 Guide rail support

The length of the guide rail support can be easily adjusted from 18 ft to 24 ft to provide support to guide rails of different heights.

09 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

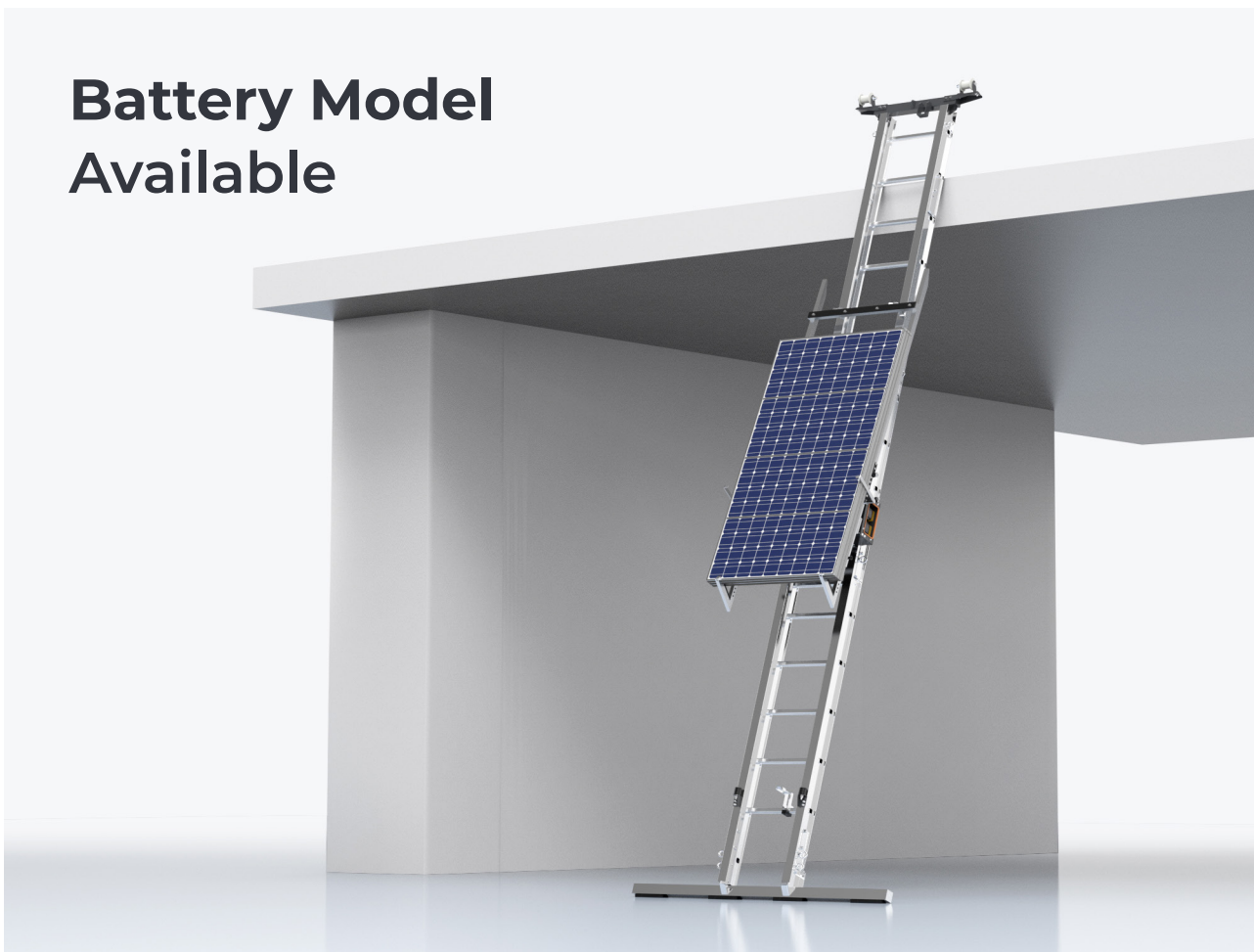
MH03L250-expert also offers a frequency conversion control system that makes the hoist start and stop more smoothly.

Specifications

Plug-in Electric Model	MH03L250-expert	MH03L250-standard
Rated load	552 lbs	552 lbs
Lifting speed	98 ft/min (double speed)	98 ft/min
Smooth start/stop	Yes	No
IP class	IP54	IP54
Operating temperature	-4 °F to 104 °F	-4 °F to 104 °F
Drive unit weight	176 lbs	165 lbs
Noise level	72-76 db	75-79 db
Wire rope diameter	1/4 inch, Factor of Safety: 8	1/4 inch, Factor of Safety: 8
Power supply	230 V / 110 V, Frequency adaptation	230 V, 50Hz / 110V, 60Hz
Over load detection	VFC control (10% surplus)	Motor heat control



Battery Model Available



Specifications

Battery Model	MH04L120
Power supply	550 W
Battery Voltage	2pcs * 18V/5Ah or 20V/8Ah
Rated load	265 lbs
Max. lifting height	33 ft
Lifting speed	49 ft/min
Wire rope diameter	1/5 inch, Stainless Steel
Waterproof	IP54
Over load detection	Current overload

After-sale service



Warranty

2 Years



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

Certifications



SGS

VERIFICATION OF MD COMPLIANCE

No.: MD SHE22000155880D
 Applicant: FICONT Industry (Beijing) Co., Ltd.
 Manufacturer: FICONT Industry (Beijing) Co., Ltd.
 Product Description: Material Hoist
 Model No.: MH03L250, MH03L200, MH03L150
 Additional Information (if any): Version 1

Test Standard: EN ISO 12100:2010, EN 60204-32:2006, EN 12158-2:2000+A1:2010

as shown in the Test Report Number(s): SHE22000155880-01, SHE22000155880-02

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

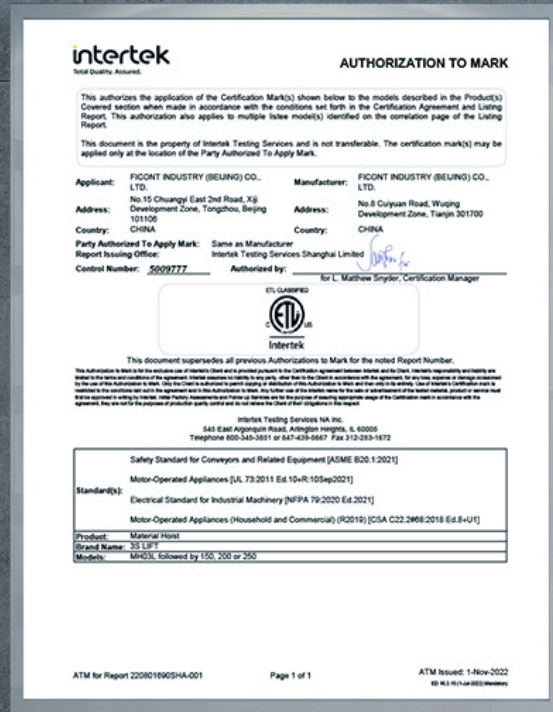
2022-06-31

SGS

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Entry V02/F02 Rev.1.0 2021-11-29
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 Total Quality Assurance

AUTHORIZATION TO MARK


This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple lot(s) model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

APPLICANT: FICONT INDUSTRY (BEIJING) CO., LTD.
 Address: No. 15 Chuangyi East 2nd Road, Xiji Development Zone, Tongzhou, Beijing, 101106 CHINA
 Country: CHINA

MANUFACTURER: FICONT INDUSTRY (BEIJING) CO., LTD.
 Address: No. 8 Cuiyuan Road, Wujing Development Zone, Tianjin 301700 CHINA
 Country: CHINA

Party Authorized To Apply Mark: Same as Manufacturer
 Report Issuing Office: Intertek Testing Services Shanghai Limited
 Control Number: 5009777
 Authorized by: L. Matthew Snyder, Certification Manager

ETL CLASSIFIED

 Intertek

This document supersedes all previous Authorizations to Mark for the noted Report Number.

This authorization is issued to the manufacturer of a product which is to be certified under the Certification Agreement between Intertek and the Client. Intertek's responsibility and liability are limited to the scope of the Certification Agreement. The Client is responsible for ensuring that the product complies with the applicable regulatory requirements. Intertek's certification is based on the information provided by the manufacturer and is not a guarantee of the product's performance. Intertek is not responsible for any claims or damages arising from the use of the product. The Client is responsible for ensuring that the product is used in accordance with the applicable regulatory requirements. Intertek's certification is not a guarantee of the product's performance. Intertek is not responsible for any claims or damages arising from the use of the product.

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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) (P2019) (CSA C22.2M68:2018 Ed 4-U1)

Product: Material Hoist
 Brand Name: 3S LIFT
 Models: MH03L, followed by 150, 200 or 250

ATM Report Number: Z200016005HA-001 Page 1 of 1 ATM Issued: 1-Nov-2022



CERTIFICATE OF QUALITY MANAGEMENT SYSTEM CERTIFICATION

Certificate No. 0107202010791815M
 Unified social credit code: 91110112778641474F

This is to Certify that the Quality Management Systems of

FICONT INDUSTRY (BEIJING) CO., LTD.

is in conformity with
 GB/T 19001-2016 idt ISO 9001:2015 Standard, applies to

DESIGN AND DEVELOPMENT, PRODUCTION, SALES AND AFTER-SALES SERVICE OF HIGH-ALTITUDE SUSPENSION ACCESS EQUIPMENT (HIGH-ALTITUDE OPERATION BASKET/BOILER MAINTENANCE PLATFORM, CRANE), FREE CLIMBING, LADDER, AID CLIMBING, ANTI-FALL DEVICE (SPED DIFFERENTIAL), ESCAPE DEVICES, CHAIN HOIST BELOW JT, TOWER DRUM LIFT (BELOW 5T), DESIGN, PRODUCTION OUTSOURCING, SALES AND AFTER-SALES SERVICE OF SAFETY BELT (THE CERTIFICATION SYSTEM DOES NOT INCLUDE BRANCHES WITHIN THE COVERAGE)

REGISTERED ADDRESS: BUILDING 1, COMMUNITY NO. 15, CHUANGYI EAST 2ND ROAD, TONGZHOU DISTRICT, BEIJING, P.R.C.
 OPERATION ADDRESS: BUILDING 1, COMMUNITY NO. 15, CHUANGYI EAST 2ND ROAD, TONGZHOU DISTRICT, BEIJING, P.R.C. (OFFICE, DESIGN AND SALES); NO. 8, CUIYUAN ROAD, WUJING DEVELOPMENT ZONE, TIANJIN, P.R.C. (PRODUCTION)

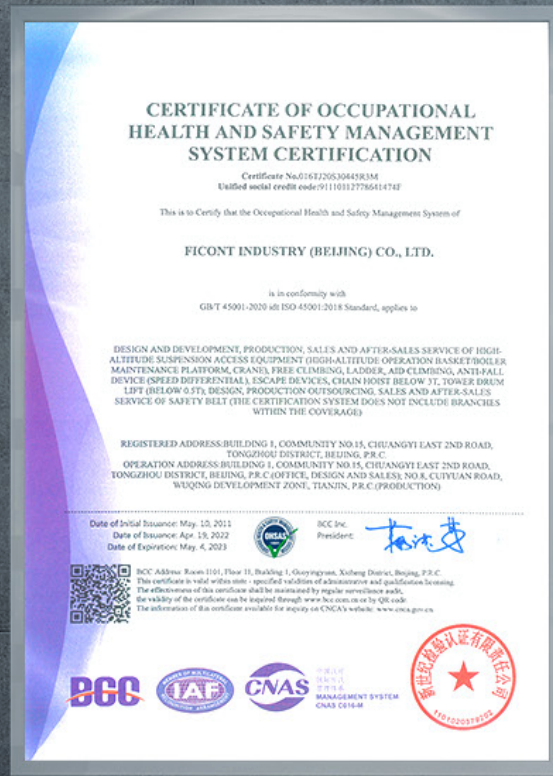
Date of Initial Issuance: Aug. 17, 2007
 Date of Re-certification Issuance: Apr. 15, 2022
 Date of Expiration: May. 3, 2025

ISO 9001 BCC INC. President

BCC Address: Room 1101, Floor 11, Building 1, Guoyingyuan, Xitong District, Beijing, P.R.C.
 This certificate is valid within state-specified validation of administrative and qualification bearing.
 The effectiveness of this certificate shall be evaluated by regular surveillance audits.
 The validity of the certificate can be inquired through www.bcc.com.cn or by QR code.
 The information of this certificate available for inquiry on CNA's website: www.cna.com.cn.

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MANAGEMENT SYSTEM
 CNAS C616-01



CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATION

Certificate No. 0107202030445813M
 Unified social credit code: 91110112778641474F

This is to Certify that the Occupational Health and Safety Management System of

FICONT INDUSTRY (BEIJING) CO., LTD.

is in conformity with
 GB/T 45001-2020 idt ISO 45001:2018 Standard, applies to

DESIGN AND DEVELOPMENT, PRODUCTION, SALES AND AFTER-SALES SERVICE OF HIGH-ALTITUDE SUSPENSION ACCESS EQUIPMENT (HIGH-ALTITUDE OPERATION BASKET/BOILER MAINTENANCE PLATFORM, CRANE), FREE CLIMBING, LADDER, AID CLIMBING, ANTI-FALL DEVICE (SPED DIFFERENTIAL), ESCAPE DEVICES, CHAIN HOIST BELOW JT, TOWER DRUM LIFT (BELOW 5T), DESIGN, PRODUCTION OUTSOURCING, SALES AND AFTER-SALES SERVICE OF SAFETY BELT (THE CERTIFICATION SYSTEM DOES NOT INCLUDE BRANCHES WITHIN THE COVERAGE)

REGISTERED ADDRESS: BUILDING 1, COMMUNITY NO. 15, CHUANGYI EAST 2ND ROAD, TONGZHOU DISTRICT, BEIJING, P.R.C.
 OPERATION ADDRESS: BUILDING 1, COMMUNITY NO. 15, CHUANGYI EAST 2ND ROAD, TONGZHOU DISTRICT, BEIJING, P.R.C. (OFFICE, DESIGN AND SALES); NO. 8, CUIYUAN ROAD, WUJING DEVELOPMENT ZONE, TIANJIN, P.R.C. (PRODUCTION)

Date of Initial Issuance: May. 10, 2011
 Date of Issuance: Apr. 15, 2022
 Date of Expiration: May. 4, 2023

ISO 45001 BCC INC. President

BCC Address: Room 1101, Floor 11, Building 1, Guoyingyuan, Xitong District, Beijing, P.R.C.
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BCC IAF CNAS

MANAGEMENT SYSTEM
 CNAS C616-01

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.

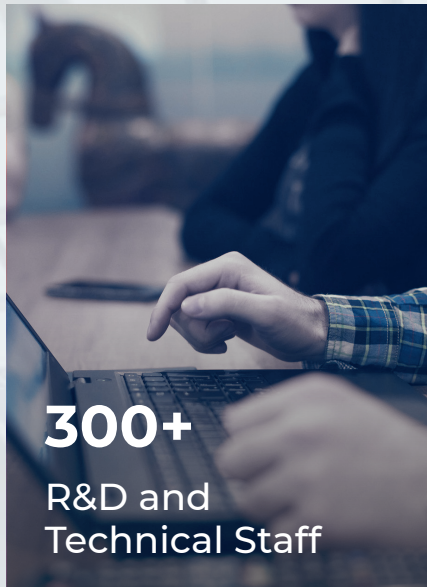
With our strong focus on R&D, we have been granted more than 800 patents and obtained over 100 global safety qualification certificates. Ficont Industry has won many national awards, including “Specialized and Sophisticated” Enterprise, Intellectual Property Advantageous Enterprise and Demonstration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

Headquartered in Beijing, Ficont Industry has a factory in Tianjin, and wholly-owned subsidiaries in Texas (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

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.

3S LIFT



Beijing
(Yizhuang)
Park



Tianjin
Intelligent
Manufacturing
Center



**North
American**
Business
Development
Center



European
Subsidiary



Indian
Overseas
Customer
Service Center



Japanese
Subsidiary

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