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3S INDUSTRY

3S LIFT PRODUCTS

Elevating Health & Safety



COMPANY PROFILE

GLOBAL PROVIDER OF RELIABLE AND COST-EFFECTIVE WORKING-AT-HEIGHT SOLUTIONS AND SERVICES

Ficont Industry (Beijing) Co., Ltd. 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 65 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 make a better future in the field of working at height.

Headquartered in Beijing, 3S Industry has Intelligent Manufacturing Centers in Beijing and Tianjin. With wholly-owned subsidiaries in Dallas (USA), Hamburg (Germany), Chennai (India), Tokyo (Japan), and Jaraguá do Sul City (Brazil). 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.



Factory in Tianjin



R&D Center in Beijing



North America Branch in Texas



Europe Branch in Hamburg



India Branch in Chennai



Japan Branch in Tokyo



Brazil Branch in Sao Paulo

GLOBAL BUSINESS

2005

Year Established

600+

Global Patents

900+

Employees

10

Global Standards

11

Global Subsidiaries

140,000+

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

100+

Global Qualifications

1st

Market Share in Our Specialized Segment Within the Wind Power Industry

5,000+

Wind Farms Utilizing 3S Products



● Headquarters

● Subsidiary

● Countries and regions where 3S LIFT products are used

SERVICE LIFT
NO.1 in Global Sales

CLIMB AUTO SYSTEM
NO.1 in Global Sales

FALL PROTECTION SYSTEM
NO.1 in Global Sales

ALUMINUM LADDER
NO.1 in Global Sales

EVACUATION AND RESCUE DEVICE
NO.1 in Global Sales

Ladder Hoist

Performance Data

Plug-in model	MH03L250
Rated load(kg / lbs)	250 / 552
Lifting speed(m / min ft / min)	30 / 98 (double speed)
Smooth start / stop	Yes
IP class	IP 54 (electrical)
Operating temperature(°C)	-20 to +40
Drive unit weight(kg / lbs)	65 / 56 (143 / 123)
Noise level(dB)	72 - 76
Wire rope diameter (mm)	6
Power supply(V)	230 / 110 , Frequency adaptation
Over load detection	VFC control



Building Roof Photovoltaic Installation



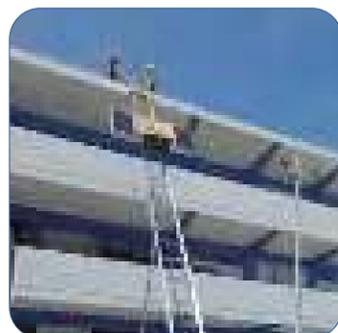
Transportation Of Building Materials



Vertical Ladder Hoist



Slope Ladder Hoist



Upgrading Of Building Materials



Roof Photovoltaic Installation



Battery Ladder Hoist

Performance Data

Battery model	MH04L120
Power supply (w)	550
Battery voltage	2 pcs × 18 V / 5 Ah
Battery brand	Dewalt
Rated load (kg / lbs)	120 / 265
Max. lifting height (m / ft)	10 / 33 (Customizable)
Lifting speed (m / min ft / min)	15 49
Wire rope diameter (mm)	5
Waterproof	IP 54 (electrical)
Over load detection	Current overload



Transportation Of Building Materials



Roof Photovoltaic Installation



Roof Photovoltaic Installation



Building Roof Photovoltaic Installation



Plant Roof Photovoltaic Installation



Trailer Lift

Performance Data

Model	3S - YT518	3S - YT521	3S - YT621	3S - YT724	3S - YT732	3S - YT836
Max. travel speed (km / h)	90	85	90	90	85	90
Rated load (kg)	250	250	250	250	250 / 400	400
Max. rail length (m)	18	21	21	24	32	36
Max. operating speed (up/down)	24 / 48	24 / 30	24 / 48	24 / 48	24 / 48	48 / 48
Dead weight (t)	0.75	0.75	0.75	1.25	2.8	2.8
Power supply (electric model)	Electric motor	Electric motor	Electric motor	Electric motor	Electric motor Petrol engine	Petrol engine
Engine (motor) power (kW)	230 , 2.6	230	230 , 2.6	230 , 2.6	230 , 7.5 13	13
Chassis dimensions (L, W) (m m)	5300 x1400	5970 x1400	5300 x1400	5970 x 1400	6540 x 1780	7400 x 1800



Competitive features

- The device is installed on the axle of the vehicle and can be towed at a maximum speed of 90 km/h, allowing for quick transportation to the intended destination.
- Compact in structure, upon arrival at the construction site, there is no need for additional installation or deployment; the telescopic arm can be extended immediately for construction operations.
- The platform can be equipped with various materials and is widely applicable in multiple construction scenarios such as lifting building materials, moving furniture, and lifting solar panels. Special materials can also be customized for dedicated platforms.



Tower Climber

Performance Data

Model	T150
Rated weight (kg)	70
Rated Load (kg)	150
Rated speed (m / min)	18 (2 minutes to reach the top of a 40 meter)
Battery range (m)	≤ 1500 (40 round trips on a 40 meter)
IP rating	IP 65
Operating temperature (°C)	-20 to +55
Ambient wind speed (m / s)	≤ 13 (wind force: 6)
Service life (years)	10
Rated voltage	Adapt to regional outlet
Standards	Directive 2006 / 42 EN 12100 - 1 Safety of machinery EN 13849 - 1 Safety of machinery - Safety - related parts of control systems CE, ETL EN 1495 Lifting platforms EN 13849 - 1 Safety of machinery - Safety - related parts of control systems



High-rise Building



Plant



Automated Storage



Grain Silo



Grid Tower



Tower Cranes



Protection Fence Solution



Hydropower



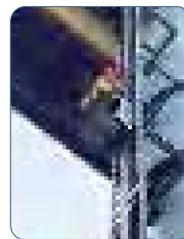
Wind Turbine



Oil & Gas



Commercial Solar



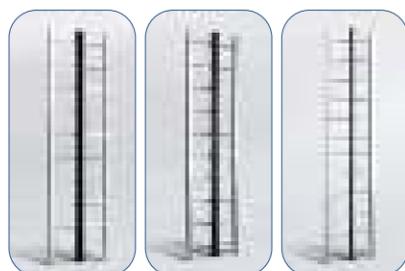
Outdoor Billboard



Guide Rail Fall Protection System

Performance Data

Model	TF - R	TF - R5	TF - F
Category	Guide rail fall arrest		
Guide rail type	Internal sliding type	Internal sliding type	External snap-on type
Applicable ladder	Aluminum or steel ladder		
Max.static load(kN)	16		
Certificates	Comply with the corresponding certification of the fall arrester		
Compliant standard	EN 353 - 1:2014 + A1:2017 ; ANSI A 14.3 ; CSA Z 359.2.1 ; GB / T 24542 - 2009		



TF - R TF - R5 TF - F

Competitive features

- Our Guide Rail Fall Protection System TF - R / TF - R5 / TF - F consists of two components: a guide rail and a Fall Arrester.
- The Fall Arrester moves with the technician, travelling along the guide rail. Made from high-strength aluminum alloy that is resistant to acid, alkali and corrosion, our fall protection systems are suitable for deployment even in the harshest conditions. The system is suitable for installation on any aluminum or steel ladder.

Aluminum Ladder

Performance Data

General width specifications(m m)	470 / 490 / 520 / 575
Ladder width(m m)	300 - 1000 (can be customized)
Standard ladder section length(m m)	5880
Standard rung spacing(m m)	280
Rung specifications(m m)	30 x 30
Stile specifications(m m)	60 x 25 / 72 x 25 / 74 x 25
Standard	GB / T 17889.2 ; GB / T 17888.4 ; EN 131-2 ; EN ISO 14122 ; DIN 18799 ; AS 1657 ; ANSI - ASC A 14.3 ; OSHA 1910.23 ; OSHA 1926.1053
Certification	CE



Competitive features

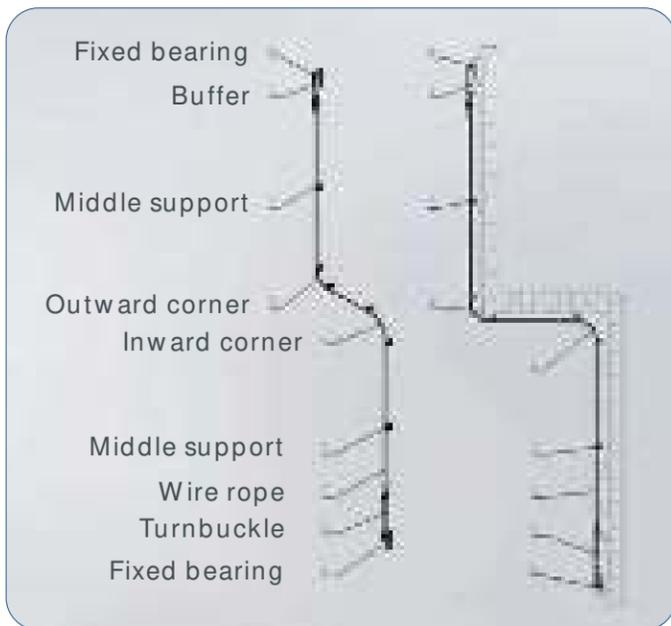
- There are a variety of methods to install the ladder, these methods allow flexible installation of the ladder.
- The ladder can not only be used directly for climbing and used as the guide of service lift, but also as the installation base of Clim b Auto System , Clim b Assist System and other products.



Horizontal Lifeline System

Performance Data

Model	TF-SH80	TF-SH83	TF-SH10
Material	Stainless steel / hot-dip galvanizing wire rope		
Wire rope diameter(mm)	8.0	8.3	9.5
Rated load(kN)	12	12	12
The distance between two adjacent end anchors(m)	≤ 12	≤ 12	≤ 12
Applicable fall arrester type	TF-H10	TF-H10	TF-H10
Standard	EN 795	EN 795	EN 795
Certified by	CE	CE	CE
Customization	Customized design and manufacture according to the customer's demands.		



3S Horizontal Lifeline System fixed on color steel tile roof.



3S Horizontal Lifeline System fixed on the roof by bolts.



3S Horizontal Lifeline System fixed on wall anchor points.



3S Horizontal Lifeline System attached to the counterweight.



Factory Building Roof



Building Roof



Chemical Factory Building



Roof Solar Panels



Factory Building



Industrial elevator

Performance Data

Model	SL50	SL200
Rated load (kg)	500	2000
Capacity (Persons)	3	18
Speed (m / min)	0 - 36	0 - 36
Motor (kW)	11	2x15
Power supply	400 V, 50 / 60 Hz, 3 P + PE	400 V, 50 / 60 Hz, 3 P + PE
Dimensions (mm)	780 × 1040 × 2000	3000 × 1500 × 2200
Service life (years)	40	40



Ship Unloading Equipment



Ship Unloading Equipment



Power Plant



Power Plant



Chemical Factory



Chemical Factory



Environmental Protection Plant



Environmental Protection Plant



Salt Chemical Factory



Aviation



Operator Elevator

Performance Data

Model	TL20
Rated Weight (kg)	280
Rated load (kg)	200
Rated Speed (m / min)	24
Max. height (m)	150
Dimensions (m × m)	0.6 × 1.1 × 2.0
Power supply	400 V, 3 P+N+PE, 50 / 60 Hz
Motor (kW)	2.2
Length of standard rail section (m)	1.5 / 2.3
Rack and pinion gear module	6
Control voltage(v)	24



Competitive features

- Optimized fall arrest system, overall protection mechanism, plus multiple means of escape when danger occurs.
- Can be installed inside or outside, and customized to suit different types of tower cranes without major modifications.
- With properly designed access stair, guard rail, and more. The machine is meant to blend in with their surroundings.
- Cable trolley system helps prevent additional losses caused by excessive swing of long cable and extend its service life.



Swivel Arm Hoist

Performance Data

Model	RH - T250
Max rated load (kg)	250
Speed (m / min)	22 - 28
Motor	1.5 kW, 230 v, 50 Hz
Duty cycle	S3 (60%)
Diameter of wire rope (mm)	5 (1770 MPa)
Nominal tensile strength (Mpa)	1770
Hoist height (m)	25 / 50
Swivelling frame (m) (swivel radius)	0.8
Operating temperature (°C)	-20~ + 40
Noise (dB)	< 85
Insulation class of the whole machine	F
IP level	motor IP 54, control box IP 55



Competitive features

- Durable and suitable for complex scenarios and working conditions.
- Modular design and convenient installation.
- High work efficiency and simple operation.
- Easy disassembly and maintenance.



Traction hoist(integrated type)

Performance Data

Model	Rated load (kg)	Lifting speed (m / min)	Wire rope diameter (mm)	Wire rope length (m)	Motor power (kW)
TH500B	500	9	8.3	80	1.5
TH700B	700	9	9.1	70	1.8
TH1000B	1000	9	10.2	60	2.2



Competitive features

- High-precision load detection, with alarm and automatic shutdown upon detection of overload to ensure equipment safety.
- Overspeed safety device for fall protection.
- Upper limit device for automatic detection, triggering an emergency stop after activation.
- High reliability through extensive market application experience.
- Automatic rope arranging device, ensuring even distribution of the rope.
- High-strength swivel hook, preventing the steel wire rope from twisting with the load and extending its lifespan.
- Automatic rope collecting reel, capable of synchronizing with the winch's movement.
- Optional counter and handheld remote control.



Construction Hoist

Performance Data

Series	Model	Rated load (kg)	Speed (m / min)	Motor power (kW)	Inverter power (kW)
3S - 450	SC 100 / 100	1000	0 - 50	2 × 2 × 13	30
			0 - 63	2 × 2 × 18.5	45
	SC 200 / 200	2000	0 - 50	2 × 2 × 18.5	45
			0 - 63	2 × 2 × 26	75
			0 - 90	2 × 3 × 26	90
3S - 650 A	SC 100 / 100	1000	0 - 50	2 × 2 × 13	30
			0 - 63	2 × 2 × 18.5	45
	SC 200 / 200	2000	0 - 50	2 × 2 × 18.5	45
			0 - 63	2 × 2 × 26	75
			0 - 90	2 × 3 × 26	90

Performance Data

Series	Model	Rated load (kg)	Speed (m / min)	Motor power (kW)	Cage size (L x W x H) m
3S - 650 B	SC 100 / 100	1000	0 - 35	2 × 2 × 13	3.2 × 1.5 × 2.3
	SC 200 / 200	2000	0 - 50	2 × 2 × 18.5	3.2 × 1.5 × 2.3

Competitive features

- The whole hoist lifting, installation, disassembly is convenient and quick.
- Variable frequency drive, smooth braking, reduce impact, reduce failure rate.
- Automatic layer selection, flat layer function, easy to operate; Can be equipped with face recognition system.
- Can be customized according to user needs.



Transport Platform

Performance Data

Model	3S 500 H / HP	3S 1500 H / HP	3S 2000 H / HP
Rated load (kg)	500	1500	2000
Rated load (person)	3	7	7
Max. speed with materials (m / min)	24	24	24
Max. speed with persons (m / min)	12	12	12
Platform dimensions (length × width) (mm)	1700 × 1400	3200 × 1400	4300 × 1700
Maximum height (m)	100	100	100
Power supply	400 V, 3 P+N+PE, 50 Hz	400 V, 3 P+N+PE, 50 Hz	400 V, 3 P+N+PE, 50 Hz
Motor (kW)	5.5	7.5	2 × 7.5
Operating temperature (°C)	-20~ +40	-20~ +40	-20~ +40
Corrosion resistance class	C4	C4	C4



Competitive features

- Automatic landing.
- Two kinds of operations: operation on the ground and operation in the cage during maintenance only.
- Canopy is optional.
- Cage size and parameters can be designed according to customer's requirements.



Mast Climbing Work Platform-Single Mast

Performance Data

Model	MCWP 450 - S
Platform load (kg)	1400 - 2300
Platform dimensions (length × width) (m)	(4.2 - 10.2) × 1.2
Lifting capability (m)	200
Lifting speed (m / min)	8 ± 8%
Power supply	400 V, 3 P + N + PE, 50 / 60 Hz
Motor (kW)	5.5
Standard mast section model (m m)	450 × 450 × 1508
Rack and pinion tooth module	m = 8
Overspeed safety device	SAJ40 - 0.5

MCWP450-S Configurations

Platform load (kg)	Configuration	A: Drive unit section	B: 15 m Work platform
		Maximum effective load (kg)	Components weight (kg)
4.2	B A B	2300	1360
7.2	B B A B B	2000	1680
10.2	B B B A B B B	2000	2000

Competitive features

- LCD screen display, daily maintenance, fault alarm, clear at a glance, improving safety of operation.
- Two operating modes for carrying people and cargo correspond to two speeds, safe and efficient.
- Made of high-strength materials for durability and reliability. This ensures long-last stable operation of the equipment under harsh working condition.



Mast Climbing Work Platform-Twin Mast

Performance Data

Model	MCWP 450 - T
Platform load (kg)	2500 - 4500
Platform dimensions (length x width) (m)	(8.4 - 29.4) x 12
Lifting capability (m)	200
Lifting speed (m / min)	8 ± 8%
Power supply	400 V, 3 P+N+PE, 50 / 60 Hz
Motor (kW)	2 x 5.5
Standard mast section model (mm)	450 x 450 x 1508
Rack and pinion tooth module	m = 8
Overspeed safety device	2 x SAJ40 - 0.5

MCWP450-T Configurations

Platform load (kg)	Configuration	A: Drive unit section	B: 15 m Work platform
		Maximum effective load (kg)	Components weight (kg)
8.4	B A B B A B	4500	2640
9.9	B A B B B A B	4500	2800
15.9	B B A B B B B A B B	3900	3440
17.4	B B A B B B B B A B B	3750	3600
20.4	B B A B B B B B B A B B	3450	3920
23.4	B B A B B B B B B B A B B	3150	4240
26.4	B B B A B B B B B B A B B B	2850	4560
29.4	B B B B A B B B B B B A B B B B	2500	4880



Retractable Discharge Platform

Performance Data

Model	S X P250	MLP2200 - H	MLP3400 - H	CNH32	CNH42
Outer width(mm)	2280	2200	3400	3165	4165
Inner width(mm)	1680	1740	2900	2500	3500
Front and rear support spacing(mm)	1600	2300	2000	2235	2235
Distance between left and right supports(mm)	2000	2050	3250	2965	3965
Minimum support spacing(mm)	2600	2400	2400	2420	2420
Maximum support spacing(mm)	4000	3300	3300	3700	3700
Shrinkage length(mm)	3600	5805	5700	5500	5500
Development length(mm)	5370	9435	9200	8500	8500
Fixed frame extension length(mm)	1130	1450	1200	1400	1400
Distance of front support from wall(mm)	652	1695	/	1635	1635
Active frame extends length(mm)	1870	3800	3800	3005	3005
Overhang distance(mm)	3000	/	/	/	/
Maximum total load (uniform distribution)(t)	2.5	5	5	10	10

Note: Size can be customized



Competitive features

- The bearing platform is retractable and can be used by multiple vertical platforms at the same time.
- The telescopic platform is folded as a whole for transportation, saving transportation costs.
- Simple structure and convenient installation and disassembly.
- The platform size and carrying capacity can be customized according to user requirements.
- Suitable for residential structures, frame shear structures and other construction engineering fields.



Full-Body Harness

Performance Data

Model	110 11050	SA - 01001
Description	5 attachment points 7 adjustments	5 attachment points 5 adjustments
Certificates	ANSI	CE, LA
Standard	ANSI Z359.11- 2021	GB 6095 - 2021; EN 361; EN 358 EN 813; AS / NZ S 1891.1 : 2007
Static load(kN)	16	15
Rated load(kg)	140	100
Service life(years)	5	5
Material	Webbing: 1000 D Polyester fiber; Hardware: Aluminum alloy; Storage bag: Elastic + Retainer plate; Pad: 3D mesh fabric + EVA	Webbing: Nylon; Hardware: Aluminum alloy; Storage bag: Elastic + Retainer plate; Pad: 3D mesh fabric + EVA



110 11050



SA - 01001

Competitive features

- Preferred material.
- Aviation grade aluminum alloy attachments, light weight and high strength.
- Upgraded sewing process and coating techniques make webbing wearresistant, waterproof and oilresistant.
- Wear-resistant waist support plate is replaceable and saves production and management costs.
- Multiple adjustment buckles are suitable for the operators of different sizes.
- Comfortable and breathable waist pad relieves fatigue from long operation.
- The green prompt sign on the quick connect buckle indicates that is fastened.
- Left and right pads with different colors, convenient and fast to wear.
- Strap keepers prevent safety hazards caused by redundant straps.

Safety Lanyard

Performance Data

Model	12100 120	12100 110	SC - 01001	SC - 02001	SD - 01001	SE - 01001
Description	General industry double - leg lanyard	General industry double - leg lanyard Type B	Wind power double - leg lanyard		Wind power work positioning lanyard	Wind power flexible anchor line
Certification	ANSI	CE				
Standard	ANSI Z359.13 - 2013	GB 24543 - 2009 GB / T 24538 - 2009 GB / T 23469 - 2009 EN 354 - 2010 EN 355 - 2002 EN 362 - 2004	GB 24543 - 2009 GB / T 24538 - 2009 EN 354 - 2010 EN 355 - 2002 AS / NZS 18915 - 2020	GB 24543 - 2009 EN 358 - 2018 EN 365 - 2004	GB 24543 - 2009 EN 358 - 2018 EN 353 - 2 - 2002 EN 795 - 2012	
Static load(kN)	22					
Rated load(kg)	140	100				
Service life (years)	3					
Material	Lanyard: Nylon; Shock absorber: High-strength polyester; Carabiner & Snap hook: Aluminum alloy					
Length(m)	1.8	1.5	1.5	1.5	1.5	Customized
Diameter(mm)	12	12	14	14	12	12
Static impact force of shock absorber(kN)	≤ 8	≤ 6	≤ 6	≤ 6	/	/



12100 120

12100 110

SC - 01001

SC - 02001

SD - 01001

SE - 01001

Competitive features

- The safety Lanyard is made of synthetic fiber material and intended for connecting with the Full-Body Harness. It is designed to provide secondary protection for the operator working at height.
- Full-Body Harness and Safety Lanyard are a pair of combined protective equipment. They are the main personal protective equipment to prevent falls and protect the safety of workers at heights. The two must be used together.