

## **Low cost 4-14m double mast lift man lift**

### **1. What's the 4-14m double mast lift:**

The double mast lift is also called a double-column lift, is a device that relies on a double-mast support platform for lifting operations, making the equipment more stable and safer during operation, and the operating safety of the staff is further guaranteed. The main body is made of high-strength aluminum alloy material. The power source can be AC and battery control. The machine has a remote control device. The design of the double-mast lift makes it more stable than a single mast lift and has a much larger load capacity. It can be widely used in places such as shopping mall halls, hotels, factory, workshops, stations, stadiums, etc. Double mast lift occupies a small space, light in weight, and has the advantages of stable lifting, safety and reliability, and can be moved anywhere at will, and is easy to use. The power of the double mast lift can be divided into 110V, 220V, 380V, and battery power sources. In addition, there is an explosion-proof electrical appliance, and explosion-proof pump station that can be used in special environments. Double mast lift can be lifted between 4-14 meters and has a load capacity of 200KG. It is widely used in hotels, station waiting rooms, airport terminals, theaters, exhibition halls, gymnasiums and other places. It is the best safe high-altitude operation companion for maintenance of machinery and tools, painting and decoration, replacement of lamps and electrical appliances, cleaning and maintenance, and vertical transportation of goods.

### **2. Working principle of 4-14m double mast lift:**

4-14m double mast lift is made of high-strength and high-quality aluminum alloy material. The main structure is very scientific and efficient, 4-14m double mast lift power is driven by the chain transmission through the hydraulic pump station, and the structure is reasonable and compact.

4-14m double mast lift consists of two parts: the main machine and the hydraulic system. The main machine consists of a workbench, a lifting component, a chassis, and a drive device. There are railings around the workbench, and the lower part is supported by the boom. The boom is divided into an inner boom and an outer boom, which are hinged with a pin in the middle. The hydraulic cylinder is installed on the crossbeam in the middle of the boom, and the oil pipes and wires are fixed on the boom. There are 4 walking wheels under the chassis for mobile use. There are two guide rails on the chassis and under the working platform for the guide wheels at the end of the boom to roll on them. The hydraulic and electrical controls of the whole machine are concentrated in the transmission control box. According to the lifting

height, it is divided into single-column, double-column, three-column and four-column types. The main body also contains anti-fall safety devices, safety switches, level gauges, oil pipe burst protection devices, tilt alarm devices, over voltage/under voltage/ misconnection protection devices, overload alarm devices, and other protective devices.

I hope this brief introduction can help you understand the 4-14m double mast lift better.

### The Advantages Of Double Mast Lift




- (1) Made of high-strength aluminum alloy, the whole machine is light in weight, has good maneuverability, and is suitable for single-person operation.
- (2) The special mast guide wheel device allows for smooth lifting and lowering.
- (3) The structure is compact and the size is small in transportation state. It can enter the car of a general elevator and pass through doorways and narrow passages smoothly.
- (5) The double-protected outrigger structure makes work safer and can be lifted and lowered close to the work surface.






### What's The Technical Specifications Of Double Mast Lift?

Model	Platform Height (m)	Working Height (m)	Load Capacity (kg)	Platform Size(mm)	Voltage (V/HZ)	Power (kw)	Machine Weight (kg)	Machine Size(mm)
THWY4-200	4	5.7	200	1100*600	220/50	1.5	380	1300*900*1750
THWY6-200	6	7.7	200	1100*600	220/50	1.5	420	1300*900*1900
THWY8-200	8	9.7	200	1150*600	220/50	1.5	550	1360*900*2000
THWY10-200	10	11.7	200	1350*600	220/50	1.5	600	1560*970*1900
THWY12-200	12	13.7	200	1450*600	220/50	1.5	700	1660*970*2000
THWY14-200	14	15.7	200	1450*600	220/50	1.5	800	1660*1100*2350

Customization	<ul style="list-style-type: none"> <li>*DC power (standard power is AC power, 220/50HZ)</li> <li>*DC+AC power</li> <li>*Manual pump</li> <li>*Assisted-walking device</li> <li>*Telescopic guardrail</li> <li>*Use inflatable wheels/solid wheels (standard wheel is polyurethane wheel )</li> <li>*Change to vehicle-mounted type</li> <li>*Use high-grade distribution box</li> <li>*Add Upper control (standard control method is lower control + remote control)</li> <li>*Use explosion-proof motor, distribution box, limit switch, up control button, only 380V</li> <li>*Assisted-walking device + AC &amp; DC power</li> <li>*Lay-down type</li> </ul>
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### Details of Double Mast Lift

Emergency Lowering Valve	When power cut or anything bad happens, you can lower the platform by loosen this valve.	
Level Vial	Before lifting up, the level must be sure it is horizontal.	
Bottom Control	Before lifting up, the level must be sure it is horizontal.	

<p>Remote Control</p>	<p>Standard control, you can control the lift on the platform.</p>	
<p>Outriggers</p>	<p>Before you use the lift, you must open the outriggers and make it level.</p>	
<p>Solid Universal Wheel</p>	<p>It makes no harm to the floor, you can move the lift indoors easily.</p>	
<p>Limit Switch</p>	<p>The lift will stop at position when it touches this switch.</p>	
<p>High Strength Aluminium Alloy</p>	<p>Strong and durable material makes the lift stable to be used.</p>	

**Precautions for using the 4-14m double mast lift:**

In order to use the 4-14m double mast lift more safely and efficiently, you need to

master the use method. Before working, clear the obstacles around and under the machine.

Open the legs of the lift and adjust the leg bolts to the appropriate height. When the lift is in a horizontal state, you can lock the positioning bolts.

Connect and start the power supply. When the indicator light comes on, you can start the first trial run. It can be put into operation without any fault.

When the 4-14m double mast lift is in the lifting state, no one is allowed to enter the area on the lifting platform, the upper and lower parts of the machine, and the surrounding area.

If you want to purchase double mast lift, please tell us the lifting height & machine power & incoterms(EXW or FOB or CIF, etc) you need, then our sales manager will contact you immediately; If you decide to purchase it from us, our sales manager will send you a proforma invoice with our bank information, then you can pay the deposit, after we received the deposit, we will start production; When production will finished, we will send the product photos or videos, then you can pay the balance, we will arrange the shipment after balance arrived. After the goods arrived your designated seaport, you can process the custom clearance and then pick up the mast lift.