

Magnetic Plate Lifter



Magnetic Plate Lifter is a magnetic fixture widely used in machining fields such as machinery factories and mold factories. The Magnetic Plate Lifter can greatly improve the clamping efficiency of magnetically conductive steel materials. The Magnetic Plate Lifter is made of high-performance rare earth material neodymium iron boron as the core. By turning the chuck handle by hand, the magnetic system of the neodymium iron boron inside the chuck is changed to hold or release the processed workpiece.

1. Magnetic Plate Lifter

The Magnetic Plate Lifter is designed using the principle of continuity of magnetic flux and the principle of magnetic field superposition. The magnetic circuit of the Magnetic Plate Lifter is designed into multiple magnetic systems. Through the relative movement of the magnetic systems, the magnetic field strength on the working magnetic pole surface is added or Cancellation, so as to achieve the purpose of holding and unloading. In my country's machining, mold manufacturing, and other industries, with the emergence of high-performance NdFeB rare earth materials, the use of NdFeB permanent magnet materials to develop magnetic fixtures has become a trend, and Magnetic Plate Lifter have emerged.

2. Specification.

Model No.	Rated Lifting Capacity	Cylindrical Lifting Capacity	Flat Surface Lifting Capacity	Max Operating Temp	Demensions (mm)				Self Weight (kg)	Minimum Plate Thinkness Requires (mm)
	(kg)	(kg)	(kg)		L	B	H	R		
ZY-1	100	30	300	80	95	65	75	145	3	>4
ZY-2	200	75	200	80	163	91	90	160	9	>6
ZY-3	300	100	900	80	162	92	91	180	9	>8
ZY-5	500	150	1500	80	233	122	118	220	23	>12
ZY-6	600	200	1800	80	233	120	120	220	23	>15



ZY-10	1000	300	3000	80	260	175	165	285	50	>25
ZY-20	2000	600	6000	80	386	233	202	465	125	>40
ZY-30	3000	1000	9000	80	443	226	217	565	225	>60
ZY-50	5000	1500	10500	80	443	226	217	635	250	>60

3. Feature And Application

The Magnetic Plate Lifter is suitable for lifting and transporting flat machine parts and steel products, so the Magnetic Plate Lifter is applicable in mould and machine processing industries. For example, it is commonly seen in machining centers, ship building plants, machine manufacturing factories, etc. The Magnetic Plate Lifter is designed using the principle of continuity of magnetic flux and the principle of superposition of magnetic field.

4. Details

The anti-corrosion galvanized hoist ring of the magnetic hoist has strong bearing capacity and can ensure safety



The alloy steel rod of the magnetic suspension is not easy to bend, and the non-slip handle can ensure the comfort during use



The safety bolt of the magnetic hoist acts as a fixed handle and improves work efficiency and safety



The utility model rotating shaft of the magnetic crane is labor-saving and flexible in rotation.



5. Product Qualification

Shanghai Yiyong Lifting Machinery Co., Ltd. is a certified lifting machinery manufacturers association. This means that we are one of the industry's leading suppliers of lifting equipment. We are reliable and provide excellent value.

Shanghai Yiyong Crane Machinery Co., Ltd. supplies 100KG 200KG 400KG 600KG 1T 2T 3T 5T 10T Magnetic Plate Lifter. It is the most popular product in Asia, the United States and Canada. It is beautiful, strong and durable. We promise that the warranty period of Magnetic Plate Lifter is 2 years, and we really welcome enterprises from all over the world to join us.

6. Deliver, Shipping And Serving

Our Magnetic Plate Lifter are packaged in a fumigation-free wooden box to ensure the safety of the product during transportation. We provide after-sales quality assurance. During your use, if any damage other than man-made is found, we provide free parts and video installation instructions

7. FAQ

How many kilograms can this 600 kilogram magnetic crane lift?

The instant pull-off force of a 600 kg magnetic hoist is 2.8 times, and the lifting tool is prohibited from overloading, so this model can absorb the standard steel plate less than 600 kg.

Will your suction cup be demagnetized?

Our magnetic crane is made of permanent magnet NdFeB material, and the optimized magnetic circuit design does not knock or touch or touch the high temperature exceeding 80 degrees Celsius, and it is not easy to demagnetize. The product is guaranteed for two years, underwritten by China Life Property Insurance.

How to use this?

For permanent magnets, the handle wrench turns the control switch to generate magnetic force and demagnetization. First, the magnetic hanging surface is in contact with the steel plate to be sucked to turn the handle to generate magnetic force, not the wrench handle directly.

Can this magnetic crane be used in water?

The surface of this magnetic hoist is made of No. 45 steel, which is not rust-proof and cannot be used in water.

How to maintain this?

The surface of the suction cup should be wiped clean before use to avoid scratching and affecting accuracy. The operating environment temperature is -40C-80°C, knocking is strictly prohibited to prevent the magnetic force from being reduced. After use, apply anti-rust oil to the working surface to prevent corrosion.



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How is the warranty guaranteed?

Warranty for two years, we are a manufacturer, direct warranty, handles and other vulnerable parts are not covered by the warranty, and handles can be equipped at cost.

Can this be used as a fixing frame, can it be sucked to the steel plate for fixing?

This magnetic hoist is a lifting device, used for lifting steel materials. No other functions.