

Permanent Magnetic Lifter

Permanent Magnetic Lifter is suitable for lifting and transporting flat machine parts and steel products, so Permanent Magnetic Lifter is applicable in mould and machine processing industries. For example, Permanent Magnetic Lifter is commonly seen in machining centers, ship building plants, machine manufacturing factory ,etc.



1. Magnetic Plate Lifter

Permanent Magnetic Lifter is designed using the principle of continuity of magnetic flux and the principle of magnetic field superposition. The magnetic circuit of the Permanent Magnetic 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 (°C)	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

High performance magnetic material is used to make it smaller in volume, lighter in weight and stronger in holding

More safe, the maximum pulling force is 3 times of the rated lifting force

Handle switch is equipped with a safety button, which can be operated by one hand

Bottom surface of the permanent magnet crane has a "V" groove design, which can lift the round steel and steel plate

Widely used in steel lifting and handling, flat mechanical parts, installation and handling of various abrasives

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

1.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.

2.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.

3.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.

4.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℃, 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.

5.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.



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