

Manual for Plastic Crusher

Crusher product overview:

Plastics are recyclable garbage. The recycling process involves crushing, cleaning, and reprocessing various plastic products.

There are many types of plastics, such as: plastic basins, rubber rain boots, ABS resin, PET mineral water bottles, PE film, as well as leftovers, head materials, unqualified materials produced during the processing of plastics, etc., all need to be crushed with a plastic crusher first.

Structural characteristics of crusher:

1. Steel structure box, cast steel tool holder, high-quality steel knives, high-strength steel screws are firm and durable.
2. Movable screen, easy to disassemble and assemble, easy to clean and change color.
3. Sound insulation interlayers are installed on the front and back of the chassis to reduce the impact of noise on the environment.
4. The motor is equipped with an overload protection device and a power supply chain protection system, which is absolutely safe to operate and clean.
5. A double-layer sealing device is installed behind the crushing chamber, and the knife body is closely matched to prevent the powder from leaking into the bearing seat and aggravating the motor load.

Specification model parameter:

Horse- power	5 HP	7.5 HP	10 HP	15 HP	20 HP	30 HP	40 HP	50 HP	60 HP
Model	250	320	380	500	600	630	800	820	1000
Power	4 KW	5 KW	7.5 KW	11 KW	15.5 KW	22 KW	30 KW	37 KW	45 KW

Operation and precautions:

1. Start the plastic crusher motor, and start feeding after the plastic crusher runs normally.
2. Feeding should be uniform. Avoid jams caused by throwing large materials. Once jams occur, stop the machine immediately to eliminate them. Pay attention to the motor load current display table when working to ensure that the plastic crusher motor is not overloaded.
3. If abnormal noise of the plastic crusher is found, stop the machine for inspection immediately.
4. The plastic crusher should not be operated continuously for 24 hours. When the temperature of the machine is too high, it should be properly shut down for cooling.
5. When the plastic crusher is shut down, the waste inside and outside the plastic crusher should be cleaned up immediately.
6. When the plastic crusher motor is running, it is prohibited to open, clean or repair the plastic crusher.
7. The plastic crusher should stop feeding before shutting down, but the motor should continue to run for a period of time until the plastic crusher is completely empty and then shut down.

Maintenance and overhaul:

1. The main shaft, bearing, reducer, etc. of the plastic crusher should be regularly replaced with grease or lubricating oil in accordance with relevant regulations.
2. Fill the lubrication holes of the plastic crusher with oil once every shift.
3. The protective cover of each transmission part of the plastic crusher should be permanently firm and complete. If the plastic crusher does not have a complete protective cover, it is prohibited to start up and work.
4. Regularly check the gap between the blade blade and the intersection in the plastic

crusher working room, and check the blade tightening bolt frequently to prevent the blade from loosening.

5. Every shift should clean up the residual materials in the work room.

6. Overhaul of plastic crusher

The main wear parts of the plastic crusher are the movable knife blade, the fixed knife blade, the rotating shaft journal and the bearing, the blade tightening bolt and the screen.

The small repair cycle of the plastic crusher depends on the service life and the degree of wear of the blade. Replacing the blades, grinding worn blades, and adjusting the gap of the mouth are all minor repairs. The time interval is generally half a month.

Intermediate repair work is carried out every six months to a year, including blade replacement, bearing replacement, inspection of rotating shafts, screens, and transmission system maintenance.

Large-scale repair work is carried out every one to two years, replacing the rotor with the blade installed, overhauling the housing of the studio, and overhauling the transmission system.

