

Today, to increase production efficiency in the plastic injection production line, a series of plastic injection machine accessories can be used. Among the accessories of injection machines, we can include all types of aerial, ground and central material carriers, single and double wall gasifiers, material mixers (mixers and stirrers), gasifier mixers (dryers), Mardoni elevators, Dozinc paint mixers, and all types of network magnets.

Accessories are used in addition to the plastic injection machine to reduce the number of manpower, the use of automation equipment in order to increase accuracy and speed in production.

### **dryer (gasifier)**

A dehumidifier or dryer, which is also called a dehumidifier, performs the dehumidification and drying of materials. Gasifiers, due to having a mesh screen, deliver heat and blown air uniformly to all surfaces of raw materials. This process is controlled by the dashboard thermostat

Basically, despite the fact that plastics are not considered to absorb moisture, when plastic materials are exposed to air, due to the fact that some plastic materials have a higher percentage of moisture absorption, it is not recommended to use gas absorbers for materials such as PE and PP. While for other materials such as: ABS - PET - PA, a gas absorber is definitely needed.

### **substance killer**

The material conveyor is a suitable device for transferring all kinds of plastic materials to the plastic injection machine, inflatable, nylon, extruder and other machines of the plastic industry (with different capacities). Considering that in most cases the workers are too busy to fill the materials on time, the machine will not be able to produce due to the lack of raw materials. Therefore, for uniform production without waste and also to save production time, it is better to Paying attention to the position of the device and the type of raw materials, elastic materials were used.

### **Plastic material mixer (mixer)**

Plastic material mixer or plastic material mixer is a very useful and important device in the plastic industry. A plastic material mixer is a device that is used with the advancement of technology and increasing demand for the use of all types of plastic materials. A mixer is used to mix masterbatch (pigments in powder and granular form) and a variety of additives and fillers. It is used in the plastic industry and milled materials with raw materials.

The plastic material mixer has the ability to mix polypropylene, PVC, nylon materials. By adding color to raw materials, you can easily have colored raw materials for use in your injection molding machine using a plastic material mixer. The plastic material mixer machine has a motor with the ability to adjust the speed, and this means that based on the type of use and the type of material entered into the machine, the speed of the motor can be adjusted as desired to easily achieve the desired quality and at the same time Also, save electricity and avoid putting unnecessary pressure on the device's motor

## **Double color mixer**

Dosing mixer, with its special mechanism, is responsible for mixing granular materials with plastic materials with a determined ratio, which is done with the ratio of this device at the entrance of the hopper.

## **Mardoni elevator**

Mardon screw, or the granule lifting device, is one of the most important equipments of the granule packaging machine. This device with a rotation system of a mandron inside the work tube to move and transfer the granule material at a height

(vertically) and even horizontally. The capacity and efficiency of this type of elevator varies based on the diameter of the cylinder or the pipe inside which the mortar is placed. The maximum height of the granule elevator in some products is 6 meters, and if we intend to transport materials higher than this height, this The transfer should be done in two stages.

## **final word**

By purchasing plastic injection machine accessories, you will benefit from many advantages. Devices and accessories have a warranty and support of several months, and because of the newer features of higher quality, they have a longer life and work for you for a longer time. It is also possible to order special parts and tools for them. In addition, their spare parts are available and they have easier maintenance conditions