

# What to do if the hydraulic energy storage of the injection molding machine is abnormal

Does injection moulding machine use a lot of electrical energy?

In the injection moulding machine it is found that hydraulic Pump consumes maximum amount of electrical energy. As a solution to the problem we can install variable frequency drive (VFD), which is suitable for reducing the electrical power.

How to reduce energy consumption in injection moulding machines?

The electric power consumption were collected in all the machines and auxiliary equipments. The consumption of energy could be reduced in heating coils and also can be reduced by changing the cooling water distribution pump and by installing Variable frequency drive (VFD) in injection moulding machines.

How to identify the maximum energy consuming machines in injection molding?

In injection molding, the maximum energy consuming machines are identified by using energy meter readings. The electric power consumption were collected in all the machines and auxiliary equipments.

Which power unit consumes the most energy in an injection molding machine?

Finally, the energy consumptions of the injection molding machine during a working cycle driven by these five power units are tested and analyzed respectively. The results indicate that the power unit using a fixed displacement pump driven by an asynchronous motor has the largest energy consumption.

Does a plastic injection molding machine need energy assessment?

In almost every case, the cost of energy required to run a plastic injection molding machine over a 10-year period will be greater than its initial purchase cost. This cost gap will only widen as energy prices increase. For this reason, energy assessment must become part of the purchasing process for every new plastic injection molding machine.

Can a variable power unit save energy in injection molding machines?

Significant energy-saving effect could be achieved by adopting the speed variable power unit. Injection molding machines consume a large amount of energy in the production process, during which the power units are the most significant factor.



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