



HXM servo energy saving injection molding machines

1. Super Energy Saving

Output power varies with the load, and no energy is wasted. In the holding pressure phase, the servo motor will reduce speed, with low energy consumption; during the cool-down period, the motor does not work, with zero power consumption. Compared with the ordinary injection molding machines, it can save 20%--80% of the power.

2. High Precision and High Stability

Equipped with the precise pressure sensor and rotary encoder, it can respectively monitor and feed back on flow and pressure. Based on the feedback, the high

performance synchronous servo motor will adjust flow and pressure accordingly by changing the speed and torque. The closed-loop control can ensure the stability of product quality.

3. High Response and High Efficiency

The driving system responds with high sensitivity. It takes only 0.05 seconds to reach maximum value. The response speed is much faster than the ordinary injection molding machines. In that way, it significantly shortens the cycle time and increases the production efficiency.

HXM 系列伺服节能型注塑机

1. 超强节能

输出功率随负载变化而变化, 不存在多余能量的浪费, 保压阶段伺服电机低速运转, 耗能极低, 冷却阶段电机不工作, 耗电为零。与普通注塑机相比, 节能达20%~80%。

2. 精密、稳定

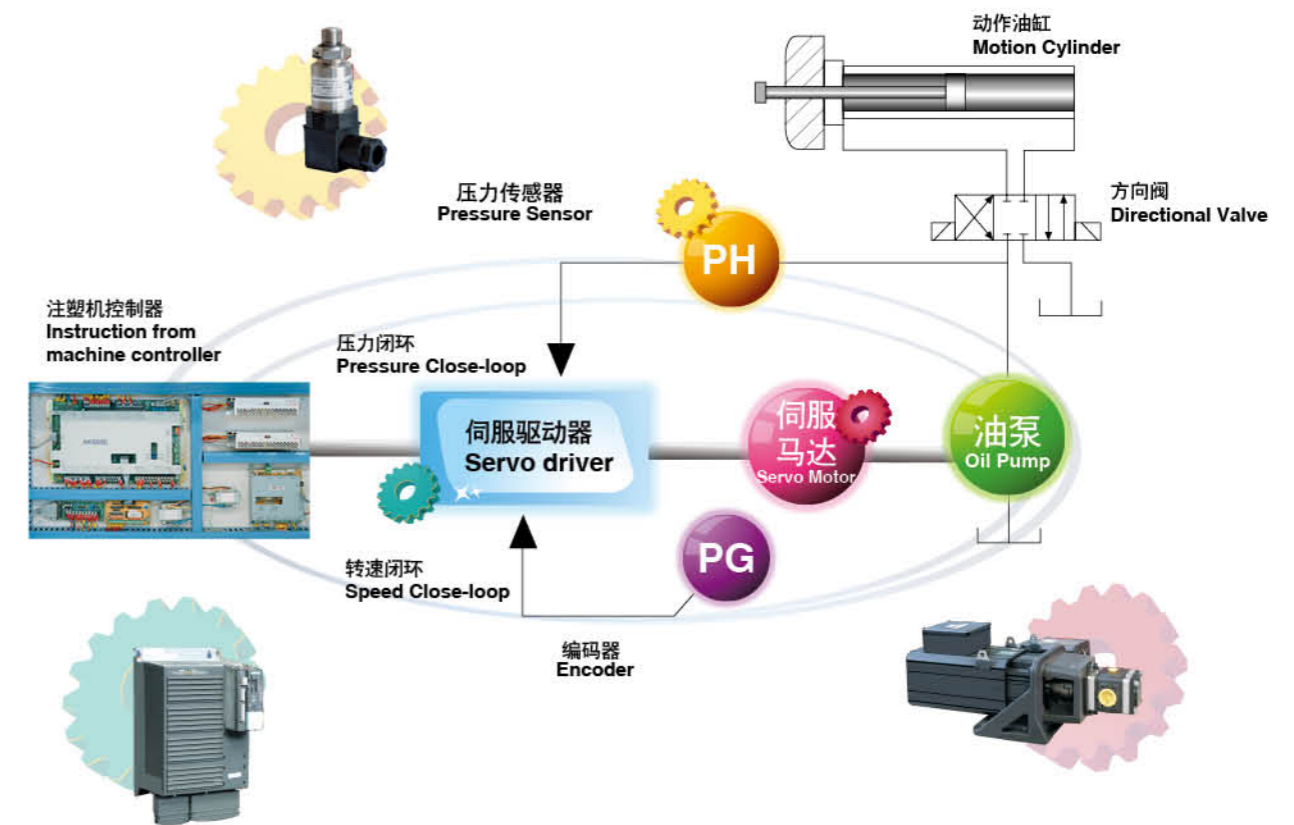
配备高精度、高灵敏旋转编码器、压力传感器, 分别对流量与压力进行监控与反馈。依据反馈信息, 高性能同步伺服电

机通过改变转速和扭矩对流量与压力进行相应调整, 形成高精闭环控制, 从而确保产品质量的稳定。

3. 高响应、高效率

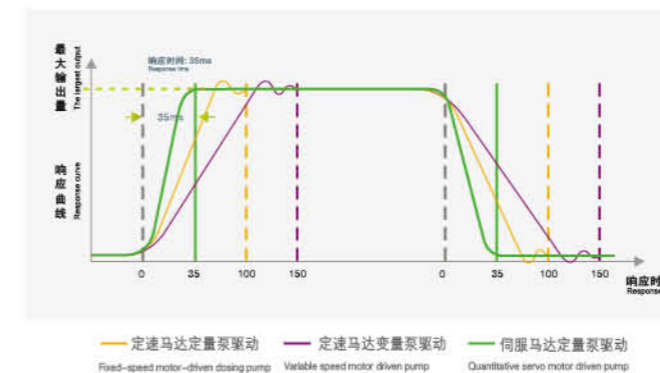
伺服节能注塑机的驱动系统响应灵敏迅速, 仅需0.05秒即可达到最大输出。响应速度远远快于普通注塑机驱动系统, 从而显著地缩短了成型周期, 生产效率得到大幅度提高。

伺服驱动控制原理图 Servo drives control principle



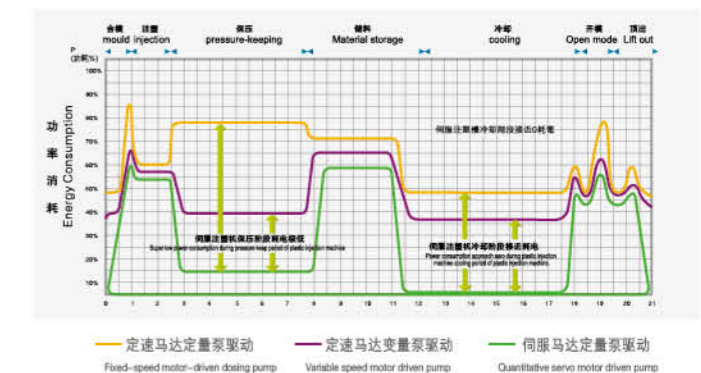
系统高速响应比照

The comparison of systemic high speed response



系统功率消耗比照

The comparison of systemic power consumption



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Making The First-class Products!

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