

塑胶射出成型机结构介绍

plastic injection molding machine Structure Description



注射部分 Injection Unit

1. 平行双注射缸布置，使螺杆在注射过程中受力平衡均匀，注射压力大；
2. 对称双缸射移，避免了由于单缸受力不均匀引起的料筒变形、漏胶。受力更合理；
3. 紧密多级射速、多级压力控制，适合多种复杂塑料制品成型工艺；
4. 每种机型设置三种或四种不同直径的并径氮化处理的优质合金料筒螺杆，同时针对不同特性的工程塑料配备专用螺杆确保品质；
5. 整体式射台座，结构紧凑、重量轻、刚性强、可靠性主；
6. 差动式射胶，设有增速杆，减小了由于射胶过程大量回油及预塑过程大量吸油而产生的阻力损失，从而增大了射胶速度（部分速度）。

1. Adopt double-cylinder parallel injection system insures the screw evenly during injecting and Injection force more stronger;
2. Adopt symmetrical double-cylinder inject avoids the barrel distortion and leaking due to unbalanced force toward single tube;
3. Multi-stage injection speed and pressure controle are suitable for various complex plastic moulding crafts;
4. Three or four different diameter high quality alloy barrel and screw processed by nitrogen are available for each machine. Meanwhile special crews are matching for especial engineering plastics which guarantees the quality of machine;
5. Whole-joint body injection design unit with compact structure and light weight, good in rigidity and sound in reliability;
6. Differential injection with enhancing pole can reduce the resistance loss on due to excessive return and drain in oil during injection and charging period. It improves the injection Speed.

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!



调模部分 Lubricating Unit

1. 水平式以曲肘五铰点内拉设计，利用了自身的结构特点，增大了开模行程与拉杆内距等，同时避免了垂直式零件自重引起的受力不均，因而消除了因模板倾斜造成对模具的损害（小机）；
2. 上下式双曲肘五铰点内拉设计（中大机）
3. 经有限元分析的高刚性、高强度箱式连体模板，减不了多次加工、装配引起的累计误差，从而提高锁模精度；
4. 采用定量式自动润滑点按时或按次定量供油，高效节省；
5. 低压护模功能，防止模具损坏；
6. 锁模结构有机械、电气、液压三重安全装置，用以保障工作人员安全；
7. 自动调模精度高，更换模具时，通过已设定的参数实现锁模力的自动调整；
8. 快速锁模系统，采用油压差动回路，提高了锁模速度，缩短了成型周期；
9. 镀硬铬高强度拉杆配合自动润滑铜司，运动平滑，寿命长；
10. 顶针采用电子尺寸控制，前进和后退定位准确。

1. Adopt horizontal double five-point and elbow type design improves the open stroke parameter and space between tie-bars, avoids the unbalanced force arising from the deadweight toward moulds for its oblique especially for small-size machines;
2. Adopt up and down double oblique five-point structure design for medium-big-size machines;
3. Adopt high-intensity and rigidity whole-joint platens machined by finite analysis the accumulated errors after many times assemble, increasing the precision of clamping;
4. Adopt fixed automatic lubrication system will offer oil timely and exactly with high efficient and energy saving;
5. Low-pressure mold protection can avoid moulds breakage;
6. Clamping structure with mechanical, electrical and hydraulic tri-safety protection device will ensure workers' security;
7. By setting parameter makes the clamping adjustment automatically and high precision;
8. High speed clamping system with oil pressure differential loop improves clamping speed, and shortens injection moulding cycle;
9. High rigidity tie-bars by plating chrome with automatic-lubrication make moving smooth and prolongs its longevity;
10. Adopt electric control ejector insures to move forward and back more precise.