模具监视器

Mold Monitor



● 特点 Features

- 自主研发红外摄像处理技术。
- 可自由设置多个监视区域。
- 功能强大的图像处理软件。
- 一键设置母片功能，方便快捷设置母片，位置偏移功能，防止因注塑机开模位置不稳定导致误报。
- 检测面积，精度自由设置，减少误报以及提高检测效果。
- 可设置任意形状忽略区，对有些不需要且经常出现误报的地方进行忽略。
- 整机只需要两个对外接头，方便换机使用。
- 系统操作简单，即教即会，工人流动不影响操作。
- 可以根据客户的要求对程序进行更改。

- Independently develop infrared camera processing technology.
- Multiple monitoring areas can be freely set.
- Powerful image processing software.
- One click setting of master film function, convenient and quick setting of master film, position offset function, to prevent false alarms caused by unstable mold opening position of injection molding machine.
- The detection area and accuracy can be freely set to reduce false alarms and improve detection effectiveness.
- You can set an arbitrary shape ignore area to ignore some unnecessary and frequently false positive areas.
- The whole machine only requires two external connectors, making it convenient for machine replacement.
- The system operation is simple and easy to teach, and the mobility of workers does not affect the operation.
- The program can be modified according to customer requirements.

模具监视器，是利用机器视觉处理算法与PC机、相机、光源共同组成一个稳定的模具保护装置。主要针对注塑、冲压、压铸等模具生产过程中遇到的各种可能性的问题进行检测，避免模具因产品未脱落、顶针、滑块未回位或模内残留物等原因造成的模具压伤和损坏，起到保护模具的作用。模具监视器在实际生产中能有效监视镶件是否放置到位、监视模腔内是否有异物、减少不必要的顶出次数、监视滑块位置是否正常、监视产品脱模不良、监视产品成型不良等；可以实时代替人工进行实时监视，保证生产的持续性。

Mold monitor is a stable mold protection device composed of machine vision processing algorithms, PC, camera, and light source. Mainly aimed at detecting various possible problems encountered in the production process of injection molding, stamping, die-casting and other molds, to avoid mold compression and damage caused by product detachment, ejector pin, slider not returning or residue inside the mold, and to protect the mold. The mold monitor can effectively monitor whether the inserts are placed in place, whether there are foreign objects in the mold cavity, reduce unnecessary ejection times, monitor whether the slider position is normal, monitor product demolding defects, monitor product molding defects, etc. in actual production; Real time monitoring can replace manual labor to ensure the continuity of production.

● 控制流程与效果 Control Process and Effectiveness



