

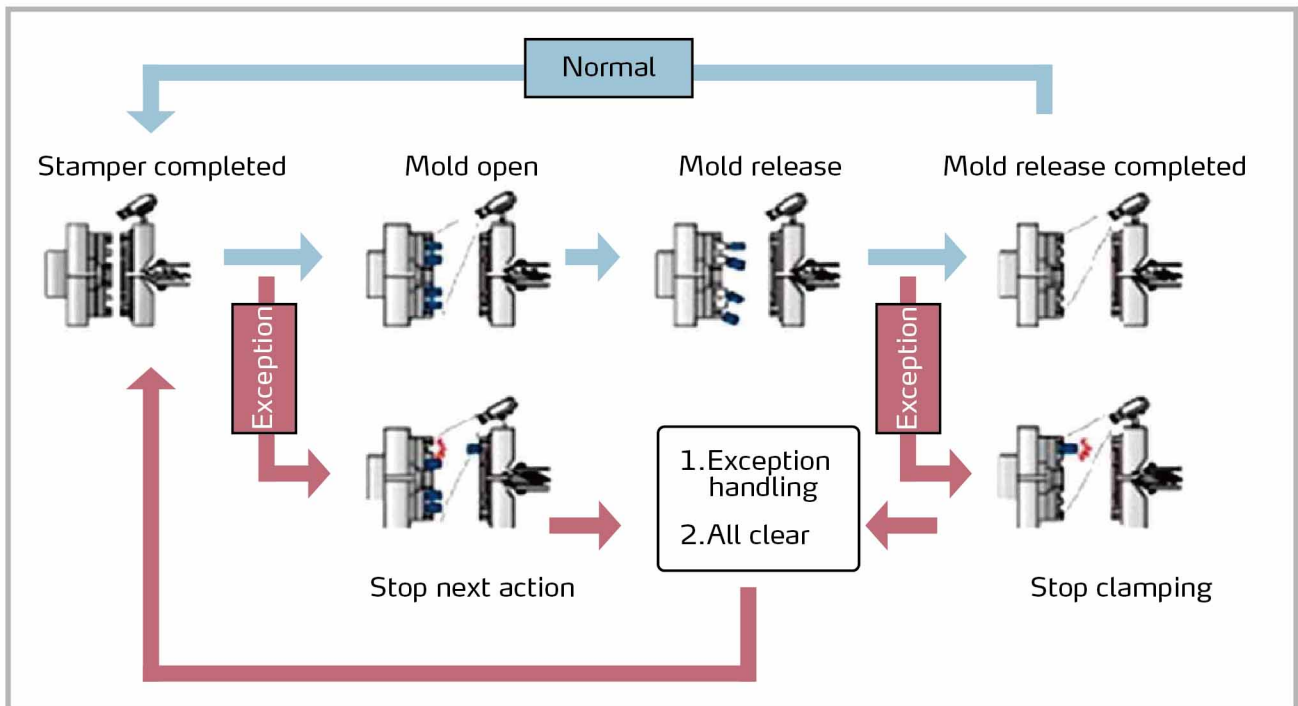
## Mold Visual Monitoring System



# Mold Visual Monitoring System

## Summary

Mold is one of the most important part for manufacturing industry. Its quality, precision and life-time are directly affecting the product quality and production cost. Therefore, the issue to extend the life-time of the mold is very significant. In actual production, most of the mold are non-monitoring, it's a problem to ensure the ejector back in position and no product residues in the mold for causing damage to the mold. Mold monitor is based on image processing principle. It can replace worker to monitor the mold in real time and protect the mold, avoiding non-productive time and ensuring production persistency.



## Function

- Check the inserted-part location after inserting the part into the mold;
- Check product ejection after mold open;
- Check any short-shot part or reject product after mold open;
- Check product ejection after taking out the product ;
- Check any abnormal thing on the mold after taking out the product;
- Check the core puller and ejector is back to position after taking out the product;
- Reduce unnecessary ejection and mold-closing shorten the production cycle.



Main controller 10"



Camera and light source



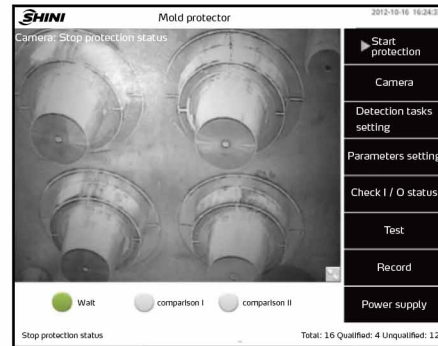
Main controller 13.3"



Wiring

## Features

- Rapid:**  
Min. processing time under 0.02sec
- Accurate:**  
Good inspection efficiency and high precision
- Simple:**  
Easy to learn
- Data:**  
Real-time recording alarm screen, easy to look back  
Support ethernet to connect with production management system and present production data accordance to setting
- Intelligence:**  
Adaptive to external light changes  
Adaptive to different mold displacement



## Specification

Model		SMV-A1	SMV-A2	SMV-A3	SMV-A4	SMV-A5	SMV-A6
Main controller	Working temperature	0~60℃					
	Power supply	220VAC/12VDC					
	Dimensions	274×228×57(W×D×H)			356×225×55 (W×D×H)		
	Fastest processing time	≤0.02s					
	Power	60W			100W		
	Screen Size	10"-TFT-LCD			13.3"-TFT-LCD		
	Resolution	1280×800			1920×1080		
	Weight	<1.5kg			≤2.4kg		
Camera	Quantity	1pcs	2pcs	3pcs	4pcs	5pcs	6pcs
	Resolution	2592×1944					
	Voltage	5VDC					
	Lens number	1pcs	2pcs	3pcs	4pcs	5pcs	6pcs
	Lens quantity	Standard: 10-50mm					
I / O signal line	I / O model	3DI/4DO					
	I / O operating voltage	12~24VDC					
Magnetic frame	Quantity	2pcs	4pcs	5pcs	6pcs	7pcs	8pcs
Light source	Quantity	1pcs	2pcs				

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### Factories:

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- Dongguan
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