The Vison System for Mold Protection
ROBOT-EYE
SX-910

ROBOT-EYE SX-910

SX-910 can monitor a machine with two cameras

■ Specifications SX-910

Resolution	1360×1040pixels*
Processing time	Min.0.015sec.
Ambient Humidity	0 ~ 45℃
Power	DC24V
Power consumption	24VA / 24W
External dimensions	10.9″(L)/8.5″(W)/2.0″(H)/277×215×50 m/m
Weight	2.8lbs. / 1.25kg

*Available for VGA (640×480)

■ Compositions

Standard system	SX-910 (One camera)	SX-910TW (Two cameras)
Main unit (build in 10.4″ LCD monitor) ❶	1	1
CCD camera with 16mm lens ❷	1	2
Halogen lamp with stand ❸	1	2
I/F cable 6feet / 2m ❹	1	1
Camera cable 15feet / 5m ❺	1	2
I/O cable 15feet / 5m ❻	1	1

Option
8mm focal length ❼
12mm focal length ❽
25mm focal length ❾
35mm focal length ❿
50mm focal length ⓫
Other wide-angle / narrow-angle lenses, zoom lenses
LED Lamp (with stand) ⓬
Infrared Lamp (with stand) ⓭

Standard compositions

Wide / Narrow optic angle lens

Lamp/Stand

The contents of this catalogue might be revised without any notice.

Suitable for Precision molding, Multi-cavity molding, Insert injection molding

- Easy operation
- High speed processing
- Stable operation
- Save NG image
- High resolution CCD

Agent

SIGMAX
www.robot-eye.co.jp
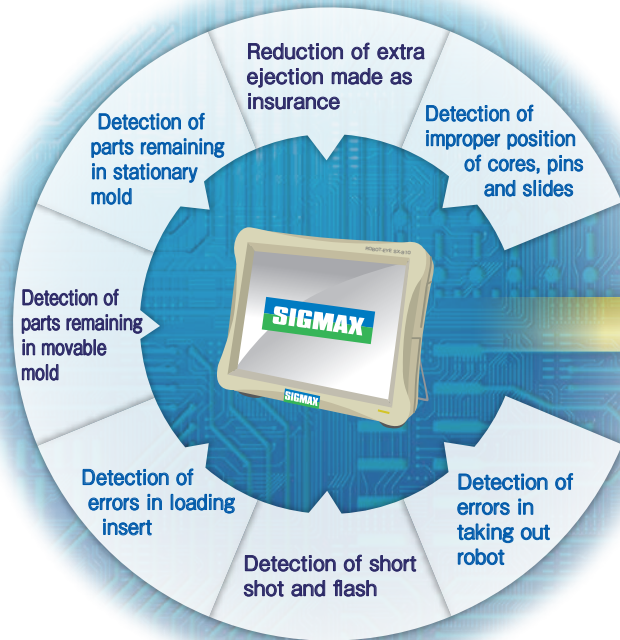
ROBOT-EYE protects your valuable mold

SX-910 is debuted by reflected customer requirement and further evolution.

SX-910 is the vision system for mold protection with high resolution touch panel on 10.4 inch LCD monitor which is purpose for easy operation, high speed treatment, stability operation and monitoring accuracy. So it can be available to take more clear picture.

In addition, SX-910 is achieved stability watch by evolved original sensitivity method. Please try to use evolved our latest model SX-910 because the function is full loading.

Functions

High speed processing (more than 2times processing speed to compare with existing model)	Reset by safety door open and close (under Automatic /Manual)	Save NG movie data
Insert watching is easy by our original watching method.	Area setting (max. area 128)	Log data function (by graph, thumbnail)

Applications

- Reduction of extra ejection made as insurance
- Detection of improper position of cores, pins and slides
- Detection of parts remaining in stationary mold
- Detection of parts remaining in movable mold
- Detection of errors in loading insert
- Detection of errors in taking out robot
- Detection of short shot and flash

Merits of using Robot-eye

Prevent mold damage
(eliminate downtime and cost for repair)

Increase productivity through monitoring

Maintain quality of products detecting defects

Features

High resolution 10.4 inch monitor
(available for high resolution camera)
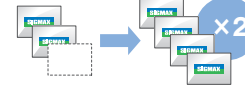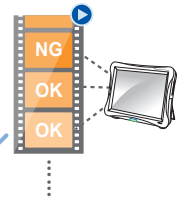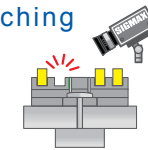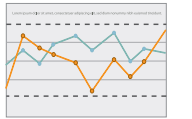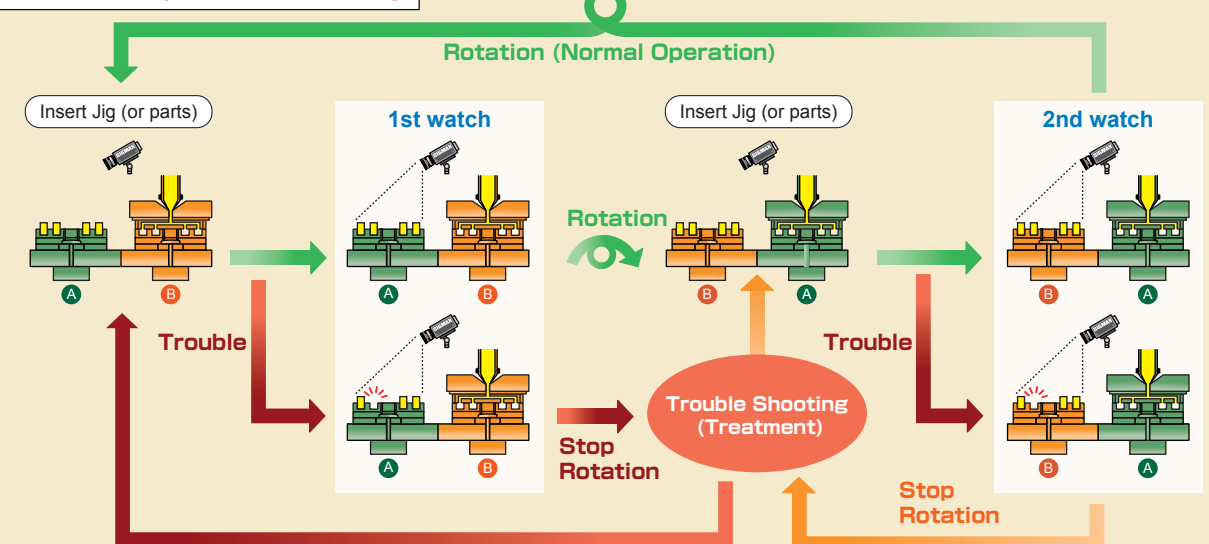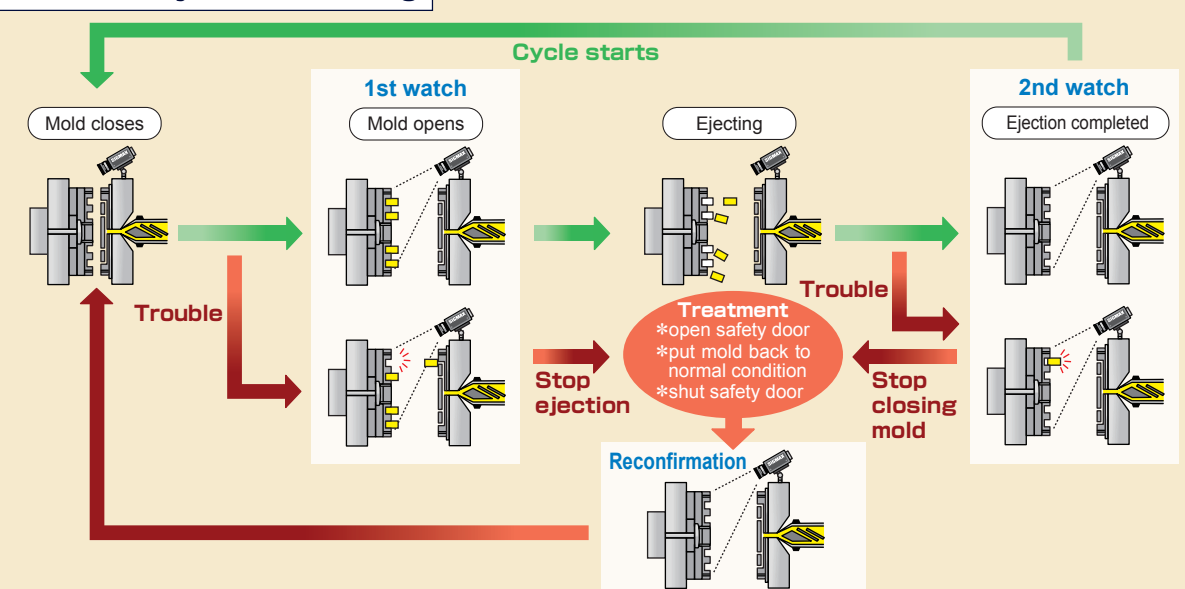
Easy operation on the touch panel

Loading with USB slot

Select from 6-Languages

運行記録 / Log
金型データ管理 / Manage mold data
Japanese / **English**

运行记录 / 운행기록
模具数据管理 / 금형데이터관리
Chinese / **Korean**

Thai / **Vietnamese**

Monitoring process

Vertical injection molding

Rotation (Normal Operation)

Insert Jig (or parts) — 1st watch — Rotation — Insert Jig (or parts) — 2nd watch

Trouble — Stop Rotation — Trouble Shooting (Treatment) — Stop Rotation — Trouble

Horizontal Injection molding

Cycle starts

Mold closes — 1st watch (Mold opens) — Ejecting — 2nd watch (Ejection completed)

Trouble — Stop ejection — Treatment
*open safety door
*put mold back to normal condition
*shut safety door
— Trouble — Stop closing mold

Reconfirmation