INJECTION MOLDING PROTECTION

CV-X Series

PRODUCTION IMPROVEMENT USING MACHINE VISION

INSPECTION FOR PRODUCT REMAINING IN THE MOLD
IMPLEMENTING A SUCCESSFUL SOLUTION!

The vision camera can check the mold in order to prevent double molding that can cause expensive mold damage.

POINT 1

EASY SETTING USING THE AUTO TEACH INSPECTION TOOL
This is a powerful inspection algorithm that can be applied by simply training the system with some good parts and the system automatically sets the proper tolerance.

POINT 2

REALIZING FULL TRACEABILITY THROUGH THE VISION DATA BASE SYSTEM
Vision inspection data and captured images can be stored and analyzed with ease. Program settings can be automatically backed up when changes are made to maintain a highly reliable inspection.

OK Condition
NG Condition
An inspection tool that learns what a good part is

The newly incorporated Auto-Teach Inspection Tool uses the camera to learn variations and individual differences that exist in the good parts and recognizes those that fall outside these parameters as defective parts. These algorithms eliminate unstable elements to successfully guide on-site inspection. Settings are performed just by running good parts, and eliminates the conventional need for highly-experienced vision integrators and complicated programming. This is an inspection tool that makes it possible for anyone to achieve and maintain a stable inspection.

**NEW ALGORITHM!**

Parts that are different from the learned good parts are detected as bad!

- **Good**
- **Different Type**
- **Incomplete printing**
- **Flaw**

Defectives not expected at the time of setting can also be detected.

**SETTING COMPLETED!**

Good parts learned!

**Multiple inspection points**

- Plating defect inspection for lead frames
- Defect inspection in many locations that generally requires a long time for programming can be covered by a single Auto-Teach Inspection Tool.

**Complex shapes to inspect**

- Flaw inspection for connector housings
- Since this tool learns the entire part including the profile, you do not have to set multiple inspection regions to line up with the different surfaces on a complex work surface.

**MACHINE VISION SYSTEM DATABASE**

**EASY LONG-TERM STORAGE AND MANAGEMENT OF IMAGE INSPECTION DATA**

Storage of inspection data linked to images

Easily compare result data with the actual machine vision image captured at the time of inspection.

Over a million* data sets can be managed safely, because VisionDatabase automatically traces changes in inspections settings and output items during operation.

* The maximum number of data sets that can be stored depends on the usage environment.