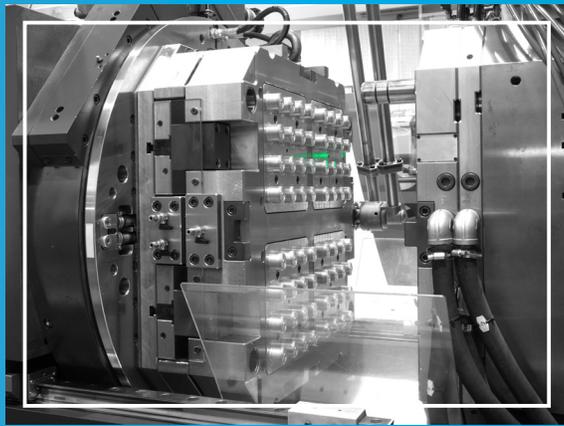


# Injection Molding

mold clear solution



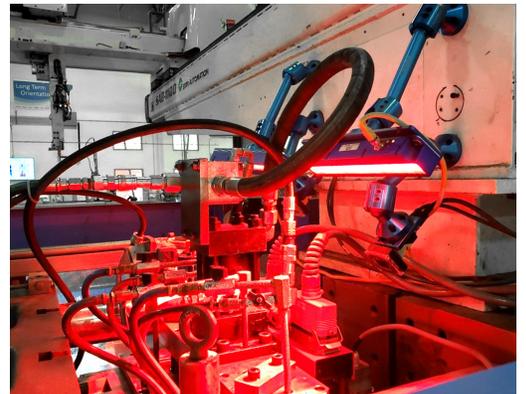
**COGNEX**

To achieve high productivity with injection molding, part clearance at the end of each mold cycle is critical. If the mold isn't cleared properly, the core pins and other finer features of the mold may be damaged.

**THE RESULT AND CORRESPONDING DOWNTIME  
CAN BE CATASTROPHIC.**

Failed mold clears are costly. So is the downtime associated with them. Let's take a look at how one company reduced their failed mold clears to zero over a two-year period.

**Finally, a moderately priced solution  
exists, with a quick ROI.**



# SUCCESS WITH AUTOMATION AN ACTUAL FIELD STUDY

A look at how one manufacturer benefited from vision inspection for injection mold clearing

**Problem:** A large manufacturer of consumer products was experiencing an average of two incidents a year of parts getting stuck in their molds. Failed mold clears cost them \$10K+ per replacement, or rework of a damaged mold. When maintenance and downtime costs were factored in, the overall expense skyrocketed. They needed an automated solution that proactively prevented failed mold clears.



**Solution:** FPE Automation provided a system consisting of two vision sensors, two LED bar lights, and Swivellink mounting arms. Total cost was under \$6000! After the implementation of this solution, the customer has had zero failed mold clear incidents in 3 years.

## How can FPE Automation help?

We're vision system specialists, with a team of six expert engineers, and

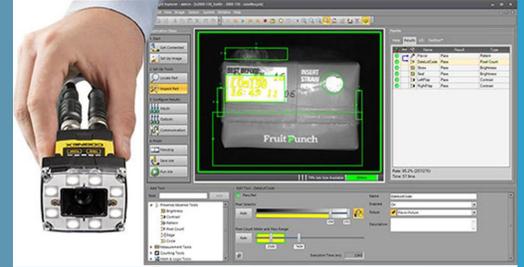
years of hands-on experience with machine vision in production environments large and small. You can visit our full vision lab for application-specific evaluations, tailored to your needs.

FPE Automation has been helping companies like you to automate since 1963.

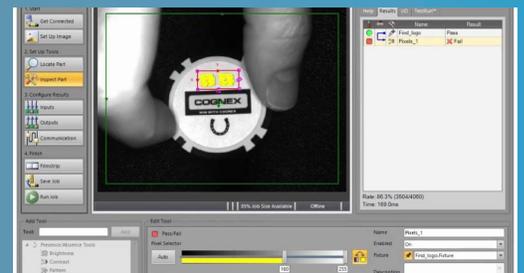
Please contact Joe Jerger, Vision Systems Engineer, or your local FPE Automation Sales Specialist for more information or an application review. Call 847-364-7455 or visit [www.fpeautomation.com](http://www.fpeautomation.com)



# Machine Vision in Injection Molding Applications



Maximize your uptime and reduce damage. A typical mold clear system consists of a vision sensor with cables, free user-friendly software, application-specific external lighting, mounting accessories, and other optional accessories like HMI screens, PLCs, power supplies, stack lights and other fail signals.



**FPE Automation**  
provides free machine  
vision concepts and  
software training.