

When an automated machine breaks down, the decision is clear. Repair it.

But what about when a malfunction occurs and the operator is still able to restart the machine?

Machine Monitor is the only video system to date that can provide video footage of interruptions, jams, stops and restarts, operator error, or any other events leading up to process failure. Machine Monitor helps to make machines more reliable.

It also lets you know the problem is fixed.



**Small  
1 Camera system  
(Portable)**



**Medium  
4 Camera system**



**Large  
8 Camera system**

### Frequently Asked Questions (FAQs):

#### How did you come up with the idea for a Machine Monitor?

I was frustrated when I witnessed machine jams. I had a difficult time explaining what happened to my coworkers.

#### Who would use a Machine Monitor?

Typically a Production Manager, Manufacturing Engineer, or Quality Manager. Actually, it is quite simple. Anyone can operate it.

**Will Machine Monitor settle disagreements about what is wrong with a machine and what the fix should be?** Yes. By capturing footage of malfunctions, you can determine if the **root cause** is a training issue, maintenance issue, or complex engineering problem.

**Can you meet my special process needs?** Yes. A custom Machine Monitor can be quoted.



Does your production line make defects?

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## What is Machine Monitor?

A Machine Monitor is a video camera made specifically for watching an automated production line.

There are two modes of recording.

Continuous recording:

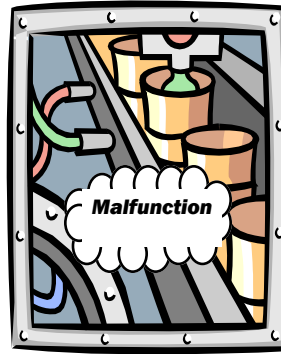
Press "Record" and wait until the production line makes a defect. Then playback the video to see how the defect was made.

Trigger recording (dry contacts):

The camera monitors the production line until it stops. After which it immediately records a short video clip. Then the camera resets itself automatically.

After a day of monitoring, you look at the video. The clips provide a clear view of machine performance by only showing malfunctions.

You no longer have to stand at your production line watching and waiting for an interruption to occur.



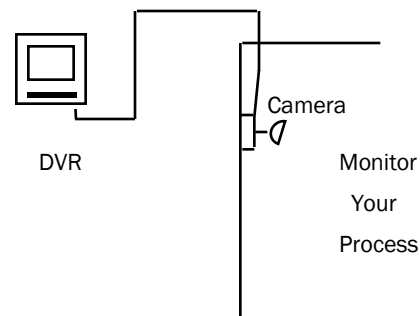
**The camera monitors the production line but only records the malfunctions.**

## Cost:

A machine monitor pays for itself in the cost associated with having someone sit and tediously watch a production line. Reviewing video of malfunctions is the key to process improvement.

## Set up:

A Machine Monitor can be set up in five minutes.



## Bottom Line:

A Machine Monitor can dramatically improve quality by focusing on problem areas. It is a great tool for discovering process bugs and planning maintenance.

After using Machine Monitor for a month, you will be amazed at how much "fruit" you can find. Production lines will become more reliable. Operators will be energized because they feel you really understand process problems.

**Malfunctions = Defects**

**Less Malfunctions = Less Defects = More \$**

