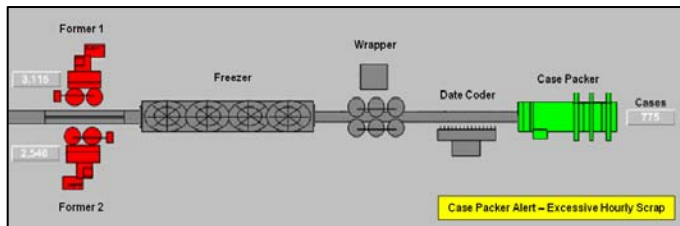


Intelligent Execution

Reduce the Impact of Poor Quality on Efficiency

by Chris Chandler

Everyone understands the effect of poor quality on customer satisfaction, but what about the impact on your own process efficiency? In most processes, raw material quality can have a devastating impact.

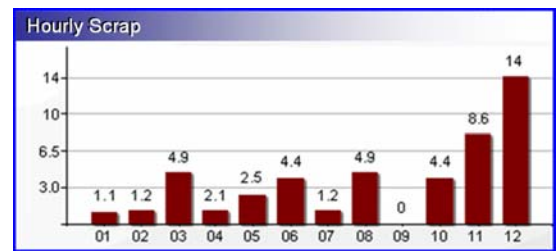


Case Packer Alert

In a particular case-packing example, an Acumence Dashboard alerts the operation of excessive scrap at the case packer. Further analysis shows that the scrap has increased rapidly over the last two hours, and the primary cause has been quality of the glue used to seal the case.

Identification of quality issues with a raw material lot can help a great deal with reducing scrap and downtime. In this example, poor quality of the glue can cause the a jam in the case-packer, resulting in excessive scrap, and excessive downtime to clear the jam.

The Acumence alert, and further investigation of the cause, resulted in the identification of a change in glue lots in the previous hour. Acumence reporting was used to query spoilage, or scrap, by lot ID, zeroing in on the culprit – supplier lot number FG3681.



Glue Quality Scrap Rate by Hour

Getting Value Step-by-Step:

1. Use hourly production alerts to identify problems quickly.
2. Use additional dashboards and reports to identify the time and cause of scrap.
3. Swap-out raw material to eliminate the problem and get back on track.
4. Find out who supplied the material and get your money back.

Within minutes of the initial alert, line operators were able to replace the contents of the glue pellet hopper with another lot, minimizing scrap and excessive downtime – two key drivers of efficiency loss.

But that's not all. The supply chain manager used the Indicator Production Analysis report to identify the spoilage caused by this supplier's offending lot over time. By demonstrating an excessive scrap rate, the company was able to send it back and get a credit.

Indicator Production Analysis		
Date:	Indicator Types:	Locations:
11/14/2005	Glue Lots	Bar Packaging
Start Time:	Indicators:	Machine Types:
11/14/2005 08:33:55	FG3681	Case Packer
Indicator Production		
Machine	Production	Spoilage
Case Packer	60,176	9,788

Armed with systematically collected and immediately available data, this operation quickly avoided a potentially costly situation.