Cumulative Cause Map™

Printer Failure Example

This page provides a basic and more detailed Cumulative Cause Map for common printer failures. It shows how information can be captured on recurring equipment failures. This approach applies the same way to safety incidents (hand injuries) and other operational issues.

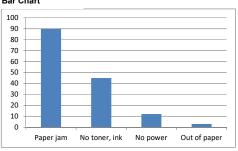
The bar chart (pareto chart), data table and Cumulative Cause Map are complementary tools. The cause-and-effect anlaysis provides an organized structure to thoroughly dig into an issue to provide a more complete explanation.

Data Table

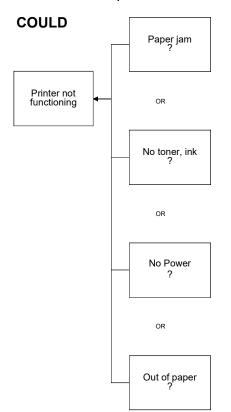
Paper jam	90		Main Cause
No toner, ink	45	1	
No power	12		
Out of paper	3		
	150		

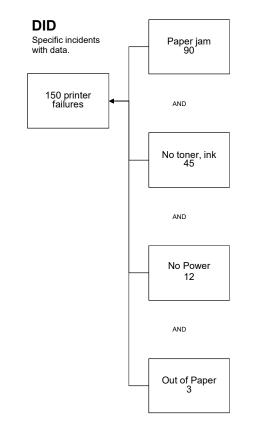
The term "Main Cause" only applies to a population of incidents. There is no main cause or root cause to a single incident, because all of the causes are required. In a population of incidents the main cause is the "failure mode' that occurs most frequently or results in the biggest impact (see chart).

Bar Chart

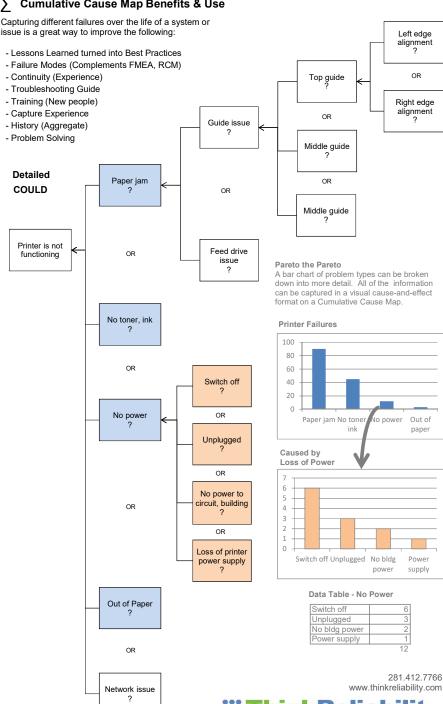


Cumulative Cause Maps - Basic





∑ Cumulative Cause Map Benefits & Use



Investigate Problems, Prevent Problems,