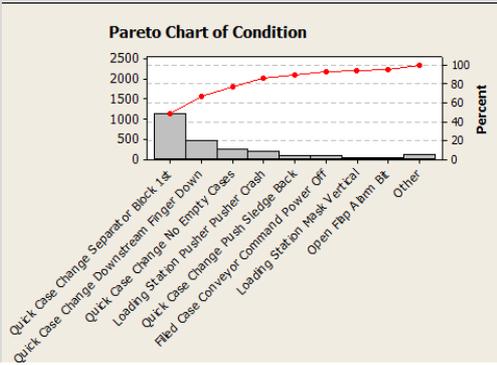


# ZPI Data and GPS Knowhow Produce Quick Results (high volume case packer)

## Opportunity-Analysis

- Project focused on understanding and eliminating mechanical downtime of a high production bakery line
- Current frequency and length of mechanical downtime are completely arbitrary, there is no reliable data to prioritize efforts
- Installation of ZPI equipment monitoring instantly solves the data issue and allows GPS to run the first level pareto of downtime occurrences leading to the Case Packer
- ZPI then installed PLC monitoring data from within the case packer capturing data allowing for a second level pareto of root causes to stoppages

Second level pareto from ZPI monitoring PLC inside the case loader



## Improvements

- Real time downtime pareto of machine performance allows GPS to prioritize maintenance initiatives and future schedule
- Resources were trained to better interpret and utilize data that is now readily available
- Culture shift from fix problem to prevent problem
- Implemented sustainable solutions and control plans for downtime prevention.

## Breakthrough Results

