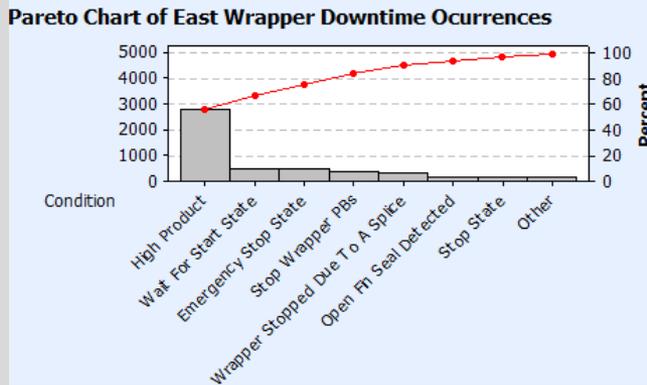


# ZPI Data and GPS Knowhow Produce Quick Results (high volume wrapper)

## Opportunity-Analysis

- Project focused on high volume wrapper reliability causing downtime and scrap losses.
- ZPI data collection accurately measured downtime on the wrappers. Data was used to determine the frequency, duration, and resulting scrap rate of down occurrences establishing baseline occurrence and cost of Wrapper reliability.
- Projected Benefits: \$118,000
- Further GPS analysis into the data indicated that given reduced downtime rates one wrapper was capable of running 100% of the product.
- Projected Benefits Increased to : \$480,000

Pareto from ZPI monitoring Wrapper PLC



## Improvements

- GPS identified and corrected the primary causes of wrapper reliability and changed the conveying system to allow for single-wrapper usage while one wrapper is down.
- Implementation of ZPI dashboards enables real-time monitoring of Downtime issues for near-immediate reaction and repair.
- Downtime savings reached 400% of expected improvement

## Breakthrough Results

### Downtime Occurrence Reduction

