

Case Study: Productivity Assessment

Creative Child Development Products (CCDP)

- We should be producing more, but we're not. What's the problem?

The Challenges

CCDP had new highly automated equipment used to label crayons which was not performing up to production efficiency levels originally intended. They expected 85% uptime and were getting less than 50%. A debate ensued between in-house design engineers, equipment manufacturers, and operations staff as to what the actual problem was.

Efficiency Engineers Solutions

Efficiency Engineers provided an outside set of eyes to examine the issues and determine reasons for the downtime.

All operations, engineering, and maintenance staff were interviewed for input. Then a work sampling was performed of all machines across all days of the week and shifts to statistically define root cause of downtime.



Results

Efficiency Engineers discovered issues in design, manufacture, maintenance and operations training were all part of the downtime problem. The findings and recommendations were presented to all staff and CCDP implemented majority of the suggestions which resulted in an increase of uptime to over 75%.