



CASE STUDY & INSIGHTS FROM OUR WORK

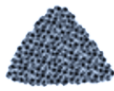
POY & FDY Productivity Improvement Project in India's largest Dope Dyed Polyester Yarn Manufacturer



Key Challenges & Insights



Frequently changing schedules leads to rework



Performance highly dependent on RM quality



Stacks of shopfloor logbooks, no data for analysis

- Client & Industry follows the "Efficiency" calculation method which explained capacity utilisation partially
- Small order quantities with multiple shades requirement was another factor leading to losses
- Master batches and their consistency also led to downgrades & frequent plan changes
- Scheduling of lines with constraints of delivery dates and Master batch availability was another challenge



How we helped

- Developed OEE based 'True Utilization' metric and Utilisation reconciliation method
- Improved Quality Control of Master batches to reduce shade failures and strength changes (LDR%)
- Improved Winder reliability by implementing reliability based maintenance practices
- Standardised all online & offline activities to optimize downtime
- Reduction in pack chocking instances, identification and correction of Master batches with risk of clogging



Our Impact

4%

POY Utilization Improvement

2.5%

FDY Utilization Improvement

28%

Downgrade Reduction

40%

LDR & Shade failures reduced