

Work Content Estimation - Mold shop



Client's Challenge

- Work Content estimation of mold shop
- Balancing of resources (Man & Machine) in mold shop
- Improvement in manpower utilisation
- Identify true potential of the plant

PMI's Approach

- Video shooting of all activities on the line
- Elemental details preparation for all activities
- Applied MODAPTS indexes on all molding activities
- Work content finalisation
- Man-Machine chart preparation for manpower & machine utilisation
- Multi-Machining / line balancing for a desired TACT or cycle time

Solution

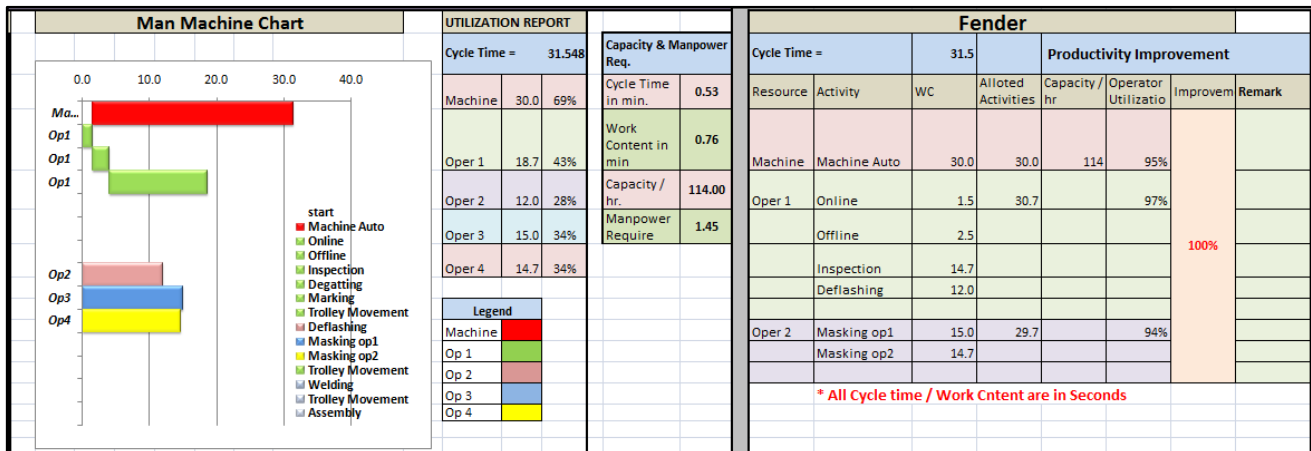
- Introduction of multi manning / multi machining in existing setup - Improvement in productivity @ 35%
- Suggesting improvements & recommendation in layout, method, facilities etc - Improvement in productivity with recommendation @ 59% will be possible
- Reduction in manpower @ 30%

Key Points

Existing Situation		
Manpower	Production	Unit / Man
27	500	19

Proposed in Existing situation					
Manpower	Production	Unit / Man	Reduction	Improver	Total WC
20	500.0	25	26%	35%	612.7

Proposed with improvement & Recommendation					
Manpower	Production	Unit / Man	Reduction	Improver	Total WC
17	500.0	29	37%	59%	589.0



*Data shown here has been modified to protect client confidentiality