Manufacturing Responsiveness Report

2018 MikesBikes Advanced - John Smith - John Smith Inc - Period 2020

	2020	2019	2018
Capacity			
Number of Employees Administration Staff Marketing & Sales Staff Production Admin Staff	80 5 4 3	80 6 4 3	80 5 4 3
Factory Workforce Factory Workforce Capacity (SCU) Effective Plant (SCU) TOTAL CAPACITY (SCU)	68 26,020 25,000 25,505	67 24,724 25,000 24,862	68 23,960 25,000 24,475
Capacity was allocated to:			
Training (%) Rework (%) Setup (%) Breakdowns (%) Raw Materials Stockout (%) Production (%) Idle Time (%)	2.1% 1.0% 8.0% 8.0% 10.6% 47.0% 23.2%	2.1% 1.1% 8.8% 7.4% 11.8% 52.0% 16.7%	2.2% 1.4% 10.8% 7.7% 14.5% 63.5% 0.0%
Production Efficiency (%)*	70.3%	68.7%	63.5%
Plant for next Period			
Effective Plant (SCU) Newly purchased/installed Plant (SCU) Plant for next period (SCU)	25,000 0 25,000	25,000 0 25,000	25,000 0 25,000
Production Process			
Supplier Relations Expenditure Supplier Relations Index	\$30,000 0.51	\$30,000 0.51	\$30,000 0.51
Setup Time Reduction Expenditure Current Setup Time Reduction Index (as a proportion of industry standard)	\$20,000 0.06	\$20,000 0.05	\$20,000 0.05
Batch Size Setup Time : Run Time Ratio	200 0.17 : 1	200 0.17 : 1	200 0.17 : 1
Manufacturing Cycle Time (days)	4.0	5.0	5.0

^{*} Production Efficiency = Production Utilization + Idle Time