# MANUFACTURING SYSTEM CAPACITY ESTIMATE
## (System Level Analysis by Component Line)

| | | |
|---|---|---|
| Supplier Name | | |
| Part(s) Name | | |
| Part(s) Number | | |
| Working Days per Year | | |
| Contracted Capacity | Annual | Daily |
| Increased Contracted Capacity | Annual | Daily |

## GP-9 Run at Rate Worksheet
## Attachment C-2

| | |
|---|---|
| Date: | |
| Completed by: | |

| # | PRODUCTION SYSTEM | SYSTEM AVAILABILITY (TIME) | | | | | | | | | SYSTEM CAPACITY (UNITS) | | | | | | | | | Post Process Buffer | | RUN at RATE STUDY RESULTS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | List each separate production line | Shifts Per Week | Shifts per Day | Minutes Per Shift | Gross Min Avail/day | Scheduled Break/Lunch (minutes per day) | Changeovers /Tool Changes (minutes per day) | Planned Maintenance (minutes per day) | Unscheduled Downtime (minutes per day) | Net Available Minutes/day | Time allocated for other customers (minutes) | Net Minutes Available/day for Study Parts | LINE Cycle Time Per Part **(seconds)** | % Scrap | % True Scrap (Total Loss) | Estimated Throughput for study parts per day | NEW CONTRACTED parts per day | % Utilization | RESULT: Mark X for possible constraint operation (>90%) | Minimum | Maximum | Total "All Customers" Parts Produced | Run at Rate Actual OK parts produced | Available Capacity > Contracted Capacity? | Run at Rate Actual Scrap (part count) | Run at Rate Actual Downtime (minutes) |
| 1 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 2 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 3 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 4 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 5 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 6 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 7 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 8 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 9 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 10 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 11 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 12 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 13 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 14 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 15 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 16 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 17 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 18 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 19 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |
| 20 | | | | | **0.00** | | | | | **0.00** | | **0.00** | | | 0.00% | **0.00** | | **0.00%** | | | | | | **YES/NO** | | |

**Notes/Comments**

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