## PRODUCTION LINE CAPACITY PLANNING GUIDE

# PRODUCTION LINE CAPACITY PLANNING

**NaviFloor Robotics, Inc.** 

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#### 1. PURPOSE AND SCOPE

1. This Production Line Capacity Planning Guide ("Guide") establishes the r

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2. This Guide applies to all production facilities operated by the Compa
2. DEFINITIONS
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1. "Production Capacity" means the maximum output capability of a pr
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2. "Capacity Utilization Rate" means the percentage of actual production
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3. "Critical Production Components" means essential AMR componen
3. PRODUCTION LINE CONFIGURATION

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1. Standard Production Line Setup

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Primary Assembly Line: 12 stations

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Sub-Assembly Areas: 4 dedicated zones

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Quality Control Points: 3 inspection stations

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Testing Bay Capacity: 8 simultaneous units

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2. Production Line Specifications

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Line Speed: 4.2 minutes per station

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Daily Capacity: 85 AMR units (two shifts)
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Minimum Staffing: 18 certified technicians per shift
4. CAPACITY PLANNING PROCEDURES
-
1. Quarterly Capacity Assessment
-
Department heads shall conduct quarterly capacity reviews
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Assessment metrics must include:
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Current utilization rates

Equipment efficiency ratings

Component inventory levels

Labor resource allocation

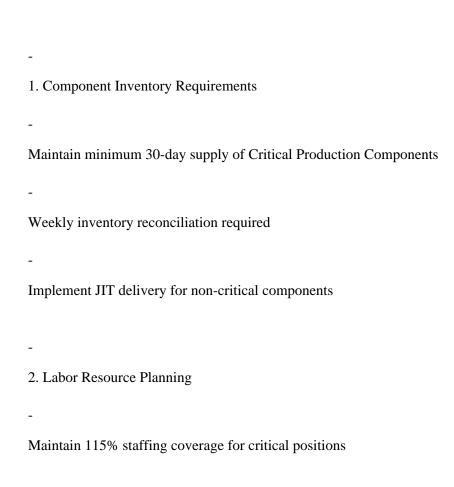
Capacity Adjustment Protocol

Production Manager must approve all line speed modifications

Changes requiring >10% capacity adjustment need COO approval

Emergency capacity changes require documented justification

### 5. RESOURCE ALLOCATION



6 -
Cross-training requirements for key production roles
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Quarterly skill assessment and certification updates
6. QUALITY CONTROL INTEGRATION
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1. Quality checkpoints must be maintained at:
-
Component receiving
-
Sub-assembly completion
-
Final assembly

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System integration
-
Pre-shipping verification
-
2. Production line modifications must not compromise established quality co
7. CONTINGENCY PLANNING
-
1. Production Line Redundancy
-
Maintain one backup production line configuration
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48-hour maximum transition time
-
Monthly backup system validation required
-
2. Emergency Response Procedures
-
Clear escalation protocols
-
Designated emergency response team
-
24-hour technical support availability
8. COMPLIANCE AND DOCUMENTATION

1. Required Records

1. Required Records

Daily production reports

Capacity utilization logs

Quality control metrics

Equipment maintenance records

Training certifications

2. Record Retention

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Electronic records: 7 years

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Physical documentation: 3 years

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Quality control data: 5 years

## 9. REVIEW AND UPDATES

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1. This Guide shall be reviewed annually by the Operations Committee.

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2. Updates require approval from:

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Chief Operations Officer
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Quality Assurance Director
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Production Manager
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Legal Department
10. LEGAL DISCLAIMERS
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1. This document contains confidential and proprietary information of NaviF
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2. The Company reserves the right to modify this Guide at any time to maint

# APPR'OVALS AND EXECUTION

APPROVED AND ADOPTED this 15th day of January, 2024
NaviFloor Robotics, Inc.
By:
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By:
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DOCUMENT CONTROL:

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