


## Job Dashboard | Supervisor / Production Planner (1/3)


Trends impacting this role				Impact Assessment
Automated Manufacturing	Autonomous Robots	Digitalisation	Food Packaging & Processing	 <b>MEDIUM</b> degree of change in tasks
Internet of Things	Manufacturing Analytics	Sustainable Production		

### Responsibilities of the role **today**

Today, this job role is responsible for supervising the daily operations of the food production function to ensure that production targets are met and food products meet required production standards. The job holder is also responsible for smooth production operations within the plant, and ensures adequate inventories of raw materials, manpower and other resources required. The job holder is expected to oversee and make regular reports on production outputs, yields, equipment issues and downtime, and staff overtime, to update the management on production performance issues.

Job tasks today		Impact at task-level / Future view of job tasks	Time horizon
Oversee end-to-end production process, including the coordination of resources, planning, preparation and production activities	M	<ul style="list-style-type: none"> <li>With digitalisation and increased interconnectedness of automated manufacturing systems and autonomous robots enabled by enterprise networks, less manual effort and calculations are required during production planning and scheduling</li> <li>In time to come, production planning and scheduling activities could also be substituted by intelligent planning software</li> <li>In addition, technologies such as Internet of Things enable the job holder to monitor and track production activities and progress in real-time, freeing up the job holder to focus on higher-value add activities, such as executing continuous improvement initiatives, team performance management, and facilitating greater cross-functional collaboration</li> </ul>	<ul style="list-style-type: none"> <li>Medium- to Long-term</li> </ul>
Monitor production performance against planned production output, and assist in troubleshooting yield, quality, and machine issues	M	<ul style="list-style-type: none"> <li>Internet of Things will allow the job holder to monitor and analyse production and equipment performance, minimising manual effort required to physically monitor production activities across the shopfloor</li> <li>Time saved from reducing manual effort to record and monitor production performance will allow the job holder to focus on value-added tasks, such as collaborating with cross-functional teams to resolve issues and identify areas for improvement</li> <li>Manufacturing analytics requires the job holder to acquire intermediate data analytics skills to analyse, interpret, and present findings on production performance to appropriate stakeholders</li> </ul>	<ul style="list-style-type: none"> <li>Short- to Medium-term</li> </ul>
Assist in implementing new or modified manufacturing processes, disseminating instructions to teams and monitoring impact on yield	L	<ul style="list-style-type: none"> <li>Digitalisation allows the job holder to deploy and utilise digital tools and forms and ensure standardisation in manufacturing processes and documentation</li> <li>The job holder will need to stay abreast of food packaging and processing technologies, and incorporate relevant technologies in the implementation of manufacturing processes where needed</li> <li>With an increasing emphasis on sustainable production, the job holder may also need to consider sustainability goals and measures in the implementation of manufacturing processes</li> </ul>	<ul style="list-style-type: none"> <li>Short-term</li> </ul>
Enforce good manufacturing practices and work with teams to resolve quality and safety issues	L	<ul style="list-style-type: none"> <li>While manufacturing analytics can be leveraged to detect issues relating to production quality and yield, generate insights, and optimise decision making, human intervention and influence is still required to lead teams in resolving food quality and safety issues</li> </ul>	<ul style="list-style-type: none"> <li>Short-term</li> </ul>

## Job Dashboard | Supervisor / Production Planner (2/3)

Trends impacting this role				Impact Assessment
Automated Manufacturing	Autonomous Robots	Digitalisation	Food Packaging & Processing	 <b>MEDIUM</b> degree of change in tasks
Internet of Things	Manufacturing Analytics	Sustainable Production		


### Responsibilities of the role **in the future**

In the future, this job role will leverage technology solutions such as enterprise resource planning systems and Internet of Things to monitor production operations and production targets for yield, quality, and safety are met. The job holder will also be required to identify opportunities for digitalisation and automation to manage resources and optimise production performance. With the reduction of manual effort in monitoring and tracking production activities, the focus of this role will shift to higher-value activities such as executing continuous improvement initiatives, team performance management, and facilitating greater cross-functional collaboration.

### Technical Skills (TSC) Required

• Active and Smart Packaging	Level 3	• Green Manufacturing Design and Implementation	Level 3
• Advanced Processing Technology	Level 3	• Hazards and Risk Control, and Policy Management	Level 3
• Automated Operation Monitoring	Level 2	• Innovation Management	Level 3
• Automation Process Control	Level 4	• Internet of Things Management	Level 3
• Budgeting	Level 3	• Manufacturing Process Management	Level 3
• Change Management	Level 3	• New Product Introduction for Food	Level 3
• Conflict Resolution	Level 4	• Production Performance Management	Level 4
• Continuous Process Improvement	Level 3	• Project Management	Level 4
• Data Synthesis	Level 3	• Quality System Management	Level 3
• Document Control	Level 3	• Stakeholder Management	Level 3
• Emergency Response Management	Level 3	• Strategy Development	Level 4
• Equipment Maintenance	Level 2	• Systems Thinking	Level 3
• Food Production Management	Level 3	• Technical Presentation	Level 4
• Food Safety Management	Level 3	• Technical Report Writing	Level 2
• Good Manufacturing Practices Implementation	Level 3	• WSH Performance Management	Level 2

## Job Dashboard | Supervisor / Production Planner (3/3)

Trends impacting this role				Impact Assessment
Automated Manufacturing	Autonomous Robots	Digitalisation	Food Packaging & Processing	 <b>MEDIUM</b> degree of change in tasks
Internet of Things	Manufacturing Analytics	Sustainable Production		

### Responsibilities of the role **in the future**

In the future, this job role will leverage technology solutions such as enterprise resource planning systems and Internet of Things to monitor production operations and production targets for yield, quality, and safety are met. The job holder will also be required to identify opportunities for digitalisation and automation to manage resources and optimise production performance. With the reduction of manual effort in monitoring and tracking production activities, the focus of this role will shift to higher-value activities such as executing continuous improvement initiatives, team performance management, and facilitating greater cross-functional collaboration.

### Critical Core Skills (CCS) Required

• Problem Solving	Intermediate	• Sense Making	Intermediate
• Decision Making	Intermediate	• Communication	Intermediate
• Developing People	Intermediate		