

# ***NexWaveERP Manufacturing***

NexWaveERP Manufacturing offers a comprehensive suite of features designed to streamline and optimise your manufacturing operations. You can manage production schedules, track work orders, and monitor inventory levels in real-time, ensuring efficient production planning and control. The module supports bill of materials (BOM) management, allowing you to define and maintain accurate product structures and recipes. Integrated with inventory management, it facilitates seamless material procurement and allocation, minimising stockouts and excess inventory. You can monitor shop floor activities, track work-in-progress, and manage quality control processes to ensure product consistency and compliance with standards. With robust reporting and analytics capabilities, you gain actionable insights into production efficiency, costs, and performance metrics, empowering you to optimise processes, reduce lead times, and enhance overall operational efficiency within your organisation.

## ***Bill of Materials***

The Bill of Materials (BOM) serves as a critical tool for managing and organising the components and resources needed to manufacture a product within NexWaveERP. It provides you with a detailed list of raw materials, sub-assemblies, parts, and quantities required for each stage of production. The BOM enables you to accurately plan and track the manufacturing process, ensuring that all necessary materials are available at the right time and in the correct quantities. Integrated with inventory management, the BOM helps you maintain optimal stock levels, reduce waste, and minimise production delays.

## ***Key Benefits***

**-Streamlined Manufacturing Processes**

**-Enhanced Production Planning**

**-Cost Efficiency**

**-Improved Quality Control**

**-Cost Reduction**

## ***Works Order Management***

The Works Order is a pivotal document used to organise and oversee the manufacturing process for specific products or batches. It serves as a formal instruction set that outlines all necessary tasks, materials, resources, and timelines required to complete production. Works Orders are typically generated based on demand forecasts or customer orders, initiating the manufacturing workflow with precise instructions for shop floor operations, however, make to stock is also supported. Integrated with inventory management, the Works Order ensures that all required materials are available before production begins, minimising delays and optimising resource allocation. Throughout the production cycle, the Works Order tracks progress, records actual usage of labour and materials, and provides real-time updates on production status.



## **Production Planning**

NexWaveERP Production Planning is a critical process that optimises manufacturing operations by effectively scheduling and coordinating resources, materials, and equipment. It involves demand, creating production schedules, and allocating resources to meet production goals efficiently. Production Planning integrates with other modules such as Sales, Inventory, and Procurement to ensure alignment between customer orders, available inventory levels, and production capabilities. NexWaveERP Manufacturing provides visibility into production workflows, allowing you to monitor progress, identify bottlenecks, and allocate resources effectively to maintain production timelines.



## **Quality Management**

NexWaveERP quality management encompasses the processes and methodologies implemented to ensure that products meet or exceed quality standards throughout the production lifecycle. It integrates quality control measures into every stage of manufacturing, from initial raw material inspection to final product testing and delivery. The system facilitates the establishment and enforcement of your quality procedures, including predefined inspection checkpoints, testing procedures, and compliance with regulatory requirements.



## **Routing**

Manufacturing routing is a crucial component that defines the sequence of operations and steps required to produce a specific product or assembly. It serves as a detailed blueprint outlining the entire manufacturing process, from start to finish, including all necessary workstations, equipment, tools, and labour resources involved at each stage. Manufacturing routing integrates closely with other modules such as Bill of Materials (BOM) and Work Orders, ensuring that production follows a structured and efficient path. By detailing the routing for each product or assembly, your NexWaveERP system facilitates consistent production workflows, enables accurate scheduling of tasks, and supports effective resource allocation.

