At iON, we make the complex manufacturing process look simple by connecting the different parts of the operations. The iON Cloud ERP facilitates procurement, production and sales by integrating inventory with the finance and accounting function. The solution supports planning and execution by connecting the production plan with the shop floor. Production plan the customer in advance to anticipate the right amount of sales, and accordingly initiate the right quantity of procurement.

### iON MANUFACTURING SOLUTION

#### Sales Order
Customer makes order through mail, internet or telephone.

- **Delivered to customer**: If in stock

#### Inventory Check
Check if the finished goods are in stock.

- **Product sent to customer**: If in stock

#### Production Planning
Job order received and request for materials made.

- **Purchase requisition** issued if not in stock

#### Procurement of materials
Purchase order sent to vendor and the materials are procured.

- **Materials received** check for quality

#### Quality check of materials
The quality of the materials is verified.

- **Approved goods** delivered to the customer

#### Production plan scheduling for on-time delivery

- **Final goods reached within the specified time**: You can define the different goods to be manufactured along with their details. A shop offering the delivery details.

#### Production
Job order created and materials go through various operations to create final product.

- **Rejected goods** sent for rework

#### Quality check
The quality check of finished goods are carried out.

- **Approved goods** delivered to the customer

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**Stock based notifications/alerts**

- Vendor
  - Purchase Order (PO) received and vendor delivers material against PO
- Materials received
  - Vendor
  - Stock based notification

**Tax computation and compliance**

- The customer chooses to order to the Sales Order, all the items are ordered on the same term of delivery along with any tax form which is necessary.

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**Tools like Material Requirement Planning (MRP) engine and Min Max engine are used for procurement and plan the shop floor planning.** Forward scheduling and backward scheduling are used for procurement planning. The shop floor is assigned to a specific area. The inventory state of the stock items can be tracked from the head office to ensure optimum level of inventory is maintained. If stock goes down beyond a certain level, it helps in estimating the cost of the final good correctly.

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**Stringent quality checks for incoming materials**

- Quality process enables to check and test the incoming materials to meet uniform, predefined quality standards. The quality inspection on finished goods is carried out. After the receipt of materials, all incoming materials are tested for quality. Quality checks at iON stage help to ensure the quality. Quality checks ensure that the products delivered to the customer are of uniform quality. This helps in extending the cost of final good correctly.