|  |  |
| --- | --- |
| Term | Definition |
| Address | Specific location composed by street, zip code and country that can represent where a customer is located or where an order should be delivered |
| Administrator | Responsible for managing (e.g., creating, deactivating) the various system users and their respective permissions, as well as for the overall system configuration |
| Bill of Materials | Tree-like structure that describes the items produced in a manufacturing facility where the root represents the final product, intermediate nodes represent the components, and the leaf nodes represent the raw materials. Different sizes or variants of a product (e.g., small and large) do not have multiple Bills of Materials |
| Bill of Operations | Tree-like structure that represents the different sequences of operations made in the manufacturing of a particular product family |
| B.O.M | Acronym for “Bill of Materials” |
| B.O.O | Acronym for “Bill of Operations” |
| Colour | Colour of a product |
| Component | Intermediate step in the manufacture process of a product. |
| Customer | Represents a company or individual that has placed an order. They are identified by their VATIN. |
| Company Customer | Represents a customer that is a company. Used in systems where customer type must be identified manually. |
| Factory Layout | Arrangement of stations in a factory |
| Individual Customer | Represents a customer who is an individual. Used in systems where customer type must be identified manually. |
| Island | A group of workstations or machines that operate together in a production layout. Each island can contain multiple machines and operators performing an interconnected sequence of operations. |
| JobShop | Flexible production layout used for short-run production or project-based manufacturing |
| Machine | Equipment used to perform specific operations in the manufacturing process, located at a single workstation. Each workstation contains only one machine, operated either by a human operator or automatically. |
| Material | Material |
| Operation | Represents a specific manufacturing process that takes place in a workstation |
| Order | Set of Production Orders made by a customer |
| Plant Floor | Place that comprises a set of stations organized according to the layout |
| Plant Floor Manager | Responsible for specifying the factory production lines and their respective machines |
| Product | Variant of a product family that can have specific color, size or material and represents a finished good that can be sold to a customer |
| Product Family | Type of good that is manufactured. Can have multiple variants |
| Production Manager | Responsible for maintaining information related to products and used raw materials, and for controlling and managing information associated with production orders |
| Production Order | List of products from a customer’s order and their quantity |
| Production Planning | Process of organizing and scheduling production activities |
| Set of Operations | A detailed sequence of steps performed at a workstation as part of the manufacturing process. Is listed in the B.O.O of the product family |
| Size | Dimension of a product |
| Station | The workstation where a machine or human operator performs specific manufacturing operations |
| System User | Represents the individuals using the system. They can have the roles: Production Manager, Plant Floor Manager, and Administrator |
| Value-added tax identification number | Identifies individuals and legal entities for value-added tax purposes |
| VATIN | Acronym for “Value-added tax identification number” |