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Production Routing Definitions

A production routing in the Info.Net system is based on a series of predefined operations – in which the operation defines the work center in which the operation will be performed and the cost of the labor, machines or tools and overhead that will be required to perform the operation. The routing definition will link these operation into a series controlled by a sequence number and will provide the time required for the labor and machines in the operation.

Each operation in a routing also contains unlimited room for instructions and links to other pertinent documents such as drawing or schematics – or if necessary, links to web sites that might assist in performing the operation.

If operations are being done simultaneously, the operation definition includes an overlap percentage that will be used in the production scheduling algorithms. If required, yield percentages can be defined at each operation and will used as a part of the standard cost calculation as well as in determining the amount of labor and material required to produce the item being defined.

There are various algorithms for scheduling each operation, and if multiple people or machines are available at the operation, the scheduling algorithm can be told the number of people and machines that are available for scheduling purposes.