Scheduling KPIs

11.2

February 2026

scheduling

Scheduling KPIs

The Schedule contains a view with several KPIs, allowing you to compare several Schedule Scenarios.

KPI	Description
Process Time Percentage	Sum of process time of all scheduled Jobs / Total capacity time of all resources. For the total capacity time only the work periods will be considered.
Setup Time Percentage	Sum of setup time of all scheduled Jobs / Total capacity time of all resources. For the total capacity time only the work periods will be considered.
Inactivity Time Percentage	Total inactivity time of all Resources / Total capacity time of all Resources. All working periods of a resource that have no job assigned to them are considered inactivity times. Basically it refers to all the periods that a resource could be working, but isn't.
Stopped Time Percentage	Sum of stoppage periods of all resources / Total capacity time of all resources.
Average Lateness in Days	Sum of late days for each Material / Number of late Materials.
Maximum Lateness in Days	Maximum number of late days amongst all the late Materials.
Average Earliness in Days	Sum of early days for each Material / Number of early Materials.
Maximum Earliness in Days	Maximum number of early days amongst all the early Materials.
Number of Late Materials	Total number of late Materials. A late Material is a Material that has at least one late Step.
Number of Early Materials	Total number of early Materials. An early Material is a Material that is expected to be completed ahead of the due date.
Early Materials Percentage	Number of early Materials / Total number of Materials.

KPI	Description
Early Materials Percentage	Number of late Materials / Total number of Materials.
Average Cycle Time	Sum of cycle time for each Material / Total number of Materials. Material cycle time = time period between the start of the first Step and the end of the last Step of the Material.
Average Wait Time	Sum of wait time for each Material / Total number of Materials. Material wait time = sum of the wait times between all its Steps. Step wait time = time period between the start of a Job and the end of its predecessors. Only positive periods are considered, which means overlaps (negative values) are excluded since they aren't wait times.
Quantity Weighted Average Cycle Time	Sum of cycle time for each Material x Quantity / Total number of Materials x Quantity. Material cycle time = time period between the start of the first Step and the end of the last Step of the Material.
Priority Quantity Weighted Average Cycle Time	Sum of cycle time for each Material x Priority x Quantity / Total number of Materials x Priority x Quantity. Material cycle time = time period between the start of the first Step and the end of the last Step of the Material.

Table: Scheduling KPIs

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