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Product Scope

Operation Scheduler (OPS)
Add-On for Microsoft
Dynamics 365 for Finance and Operations

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Operation Scheduler (OPS)

In the past, the optimization of set-up costs used to be a domain of specific scheduler systems only. Together with their customers, COSMO Consult has developed an ERP add-on which adds the domain of production control to Microsoft Dynamics 365 for Finance and Operations: the Operation Scheduler (OPS).

The Operation Scheduler allows manufacturing companies to refine their production planning down to the last detail and schedule production processes faster, more flexible and efficient.

Your benefits are obvious:

▶ Data in real time through the complete integration and as a separate module of MS Dynamics 365 for Finance and Operations
▶ Planning can be distributed over several planning stages
▶ Assessment of different planning scenarios (e.g.: adherence to delivery dates, storage costs, …)
▶ Sequence optimization based on any data from the ERP
▶ Online material check
▶ Overview of workloads and machine groups
▶ No interfaces required
▶ Results in shorter lead times, improved adherence to deadlines and reduced stock

Section	Function description
General	▶ Full support for either graphical (Gantt) or list planning methods ▶ Resources can be grouped. ▶ Resources can be opened in write or read mode. ▶ Resources in write mode are blocked for the planner when accessed in the Operation Scheduler. For other users, these resources are available in read-only mode with up-to-date information. The sequence defined by the planner is temporary and can be written back into the production orders at any desired time. Writing back the data releases the new sequence and the standard functions operate based on the new dates.
Stages	▶ Planning is distributed over up to five freely configurable stages.

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	▶ The depth of information and planning horizon are defined per stage. ▶ For each stage, it can be freely defined what should be calculated. ▶ Material check as a separate stage. Representation of a critical material situation in a separate tab.
Scenarios, assessment	▶ Plans can be stored and retrieved as scenarios. ▶ Comprehensive assessment of the planning scenario according to freely definable criteria (adherence to delivery dates, storage costs, etc.).

Functions	▶ Sequence defined by
	
	  ▶ MS Dynamics 365 for Finance and Operations default scheduling
	  ▶ Sequence determination using any data fields (e.g., delivery date)
	  ▶ Manually in list form or using drag&drop in the chart
	
	▶ Graphical indicators to display planning conflicts:
	
	  ▶ Production
	  ▶ Resource
	  ▶ Material
	  ▶ Delivery date
	
	▶ Automatic calculation of updated deadlines, new material situation and revised indicators in the case that changes occur.
	
	▶ Using the "clip" function, multiple jobs can be strung together (combined). The setup times in a clip are reduced automatically.
	
	▶ Multi Resource Mode MDM: Display of several resources at the same time in the form of a list. Showing and hiding of resources.
	
	▶ Automatic detection or manual recording of progress for the adjustment of the remaining processing time.
	
	▶ Display of quantities reported.
	
	▶ Direct immediate information transfer to operating data logging.

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	▶ Order or operation release from planning to operating data logging (operation queue control). ▶ Change of resources with location detection at the target resource. ▶ Direct queries of parts lists, work plans, stock level situations, workload, etc. ▶ Automatic log of all planning activities. ▶ Flexible connection of specific information, e.g., for one department.
User interface	▶ The screen has been optimized for simultaneous use on multiple monitors. The display on the individual monitors is aligned automatically with defined processes (e.g., change of resources or shift of the position in the Gantt chart). ▶ Data from different modules can be displayed (sales order, articles, parts list, production order, etc.). ▶ Fields, properties and methods from the planning-relevant tables (production order, operating data logging, resource, article master data, customer, sales order, etc.) can be selected
Technology	▶ Completely implemented in Microsoft Dynamics 365 for Finance and Operations, ensuring simple expandability in the usual environment. ▶ No interfaces to third-party systems are required.

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