FACTON
INNOVATIVE COST MANAGEMENT

FACTON EPC 15.0 CM

COST MANAGEMENT

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LEGAL NOTICE

Release: FACTON EPC 15.0 CM
Document Revision: (9/5/2024)
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LIABILITY

SUPPORT

For any maintenance and support issues, you can contact the FACTON Support Team via phone or e-mail. You can find the support hours and phone numbers in your support contract.

Support Requests:

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Further Information please see the Customer Portal on our website.

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1. FACTON EPC 15.0 CM

The version FACTON EPC 15.0 CM is the new main version with an extended range of functions.

1.1 SYSTEM REQUIREMENTS

see Technical Factsheet

1.2 BACKWARD COMPATIBILITY AND INSTALLATION

INSTALLED VERSION	BACKWARD COMPATIBLE	FACTON UPDATE	INSTALLATION
12.X	x		x
13.X	x		x
14.X	x		x

1.3 FUNCTIONAL ENHANCEMENTS

1.3.1 Tiered Prices

Our new tiered pricing logic enhances the way purchased part and standard part prices are managed and calculated, offering more flexibility and precision. Prices can be administered depending on price breaks (order quantity ranges) and are automatically calculated based on the order quantity used in the project.

Enhancement of Data Administration for purchased/standard parts

- The user can define tiered prices for purchased and standard part in the Data Administration
- Tiered prices can be administered for different price origins (e.g. supplier, location) and different validities
- Tiered prices can be either manually administered or imported using the Excel master data import
- The user can synchronize modified tiered prices from Data Administration with the project

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Price determination in the project

- The system automatically applies the price based on the order quantity at the part

- The order quantity can either be automatically calculated or manually entered by the user.

- The calculated order quantity results from the quantity sum of identical purchased or standard part in the **single project** and the purchased lot size defined at the project level.

Order Quantity = Purchased Lot Size * Absolute Part Quantity

> ℹ **Note**
> As the part quantity is calculated for all identical parts, referencing of the parts is not necessary.

Display of tiered prices

- The order quantity and corresponding prices can be displayed in the List Style

- Additional information is displayed in the separate window "Annual Attributes"

- The window may also be used to display customer-specific annual attributes

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Current limitations

- The auto-calculation of the order quantity is currently limited to **single projects**

- The current order quantity for parts that have already been purchased cannot be administered and used for the calculation just yet (planned for version 15.1)

- Pricing taking the order quantity into account is only possible for the "Offer" mode with automatic price determination

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📄 **Further Information**
Further details on the calculation of tiered prices in the Cost Management are available in our Online Help (help.facton.com).

1.3.2 Window for Annual Attributes

- For displaying and entering properties including validities in the project, the separate area "Annual Attributes" was implemented

- Customer-specific properties (attributes) that are configured as validity-bound are displayed here

■ The values of these properties are currently entered within the production period

■ It is currently not possible to predefine properties with validities in the Data Administration

1.3.3 New Color Scheme for Calculation Modes

The colors of the calculation modes have been adjusted to the future color scheme. These display changes must be activated (like the new table design) via the system settings (*Settings | User | Display | UI preview functions*).

☐ Servomotor Variant A (NO_1)	53,71	64,72			Admin
⊞ Extra charges					
⊟ ☐ Servomotor Final Assembly (ASSY_001)	53,71	53,72		Variante 1	Admin
⊞ Additional costs					
fx Functions					
Routing					
⊟ ☐ DC E-Motor Assembly (ASSY_002)	32,62	32,62		Variante 1	Admin
# Quantity: 1.00 piece	32,62	32,62			
Additional costs					
fx Functions					
⊟ Routing	15,50				
⊞ RT10 (5804) Loading / Unloading	11,68				Admin
⊞ RT20 (5851) Assembly process	2,37				Admin
⊞ RT30 (5817) Fitting electric	0,12				Admin
RT40 (4.5.1.1.2) Pick up and Place	0,08				Admin
⊞ RT50 (5845) Functional check	1,25				Admin
⊞ RT60 (125) Final Inspection and Packaging					Admin
⊞ ☐ Stator, Rotor Assembly Type A (5802_A)	2,98	2,98			Admin
⊞ ☐ Shaft Type A (5834_A)	2,47	2,47			Admin
⊞ ☐ Bearings (5835)	0,73	0,73			Admin
⊞ ☐ Connector (5837)	0,60	0,60			Admin
⊞ ☐ Thermal protection (5838)	5,21	5,21			Admin
⊞ ☐ Mounting bracket (5839)	5,13	5,13			Admin
⊞ ☐ Housing (ASSY_003)	8,75	8,75		Variante 1	Admin
⊞ ☐ Self tapping screw (5810)	0,17	0,17			Admin
⊞ ☐ Self tapping screw C3.5x9.5 (5801)	1,44	1,44			Admin
⊞ ☐ Bolt hardened (5806)	10,72	10,72			Admin

1.4 OTHER ENHANCEMENTS

1.4.1 Improvement of the annual preview for additional costs

The section "Annual preview" in the additional cost dialog has been adjusted so that it can be displayed without scrolling.

1.4.2 Calling up the Batch Data Administration via context menu

The Batch Data Administration can now be accessed directly from the context menu of the Workspace Explorer or at the (open) project node. Additionally, the entire project structure is activated for editing by default.

1.4.3 Improvement of the manual setup rate at the manufacturing process

The unit of the manually entered setup rate ("Advanced" mode) is now saved correctly.

1.4.4 Default payment rule for project-specific machines

The system settings for project-specific machines can be configured to use default payment rule values for investment calculations.

1.4.5 Displaying project levels in reports

For the data channels "JahresvorschauStrukturReport" and "MultipleProjectFilteredStructureReport", it can be defined how many levels of a (multi-level) project structure should be resolved.

1.4.6 Displaying volume scenarios (Programs & Take Rates) in reports

For the data channels "JahresvorschauStrukturReport" and "MultipleProjectFilteredStructureReport" you can also have the volume scenario defined at the multi project displayed.

1.4.7 Availability of origins at basic data

The "Active" checkbox at assigned origins of basic data entries in the Data Administration determines whether the basic data is available for the origin in the project or not.

Example:
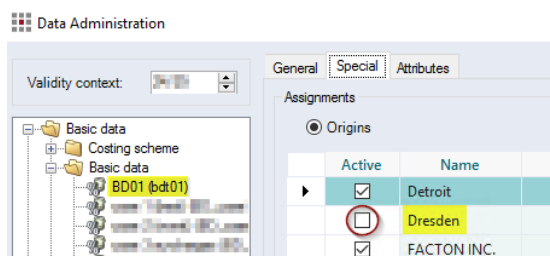
For example, if an assigned location is **deactivated**, the basic data entry is no longer available in the production planning for this location.

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Due to the inactive link between basic data entry and location, both can no longer be set together as default value in the user settings.

> ℹ **Note**
> If the location has not been activated for any basic data entry, the location is not available for basic data at all.

2. BUG FIXES

2.1 FACTON EPC 15.0 CM

- Investment calculation
  - **FD #18062**: The investment distribution of additional costs with manual distribution is no longer initially pre-assigned.
  - **FD #18855**: A bug in the monthly investment calculation was corrected. Previously, the calculation scheme returned only annual values before the start of production (SOP).
- Data Administration
  - **FD #18937**: If a manufacturing process is exchanged in the project, the assigned additional costs are exchanged accordingly.
  - An error with inserting purchased parts from the Data Administration via drag & drop has been fixed. The unit was incorrectly set when a unit class other than "piece" was used.
- Batch Data Administration (BDA)
  - **FD #18660**: An error when exchanging purchased parts in the BDA has been fixed. The bug occurred when units with the same conversion factor were defined within the same unit class. If the units are compatible, the unit of the purchased part to be exchanged is used.
  - The variable share of the machine cost rate is now displayed correctly in the BDA as soon as the machine has been assigned to a cost center.

- Reporting
  - **FD #18722**: An error when displaying the report description in English has been fixed.
  - **FD #18798**: An error when transferring attribute values to the part in data channel "ProjectCompareReport" has been fixed.
  - An error in the data channel "JahresvorschauStrukturReport" has been fixed. It could happen that for the functions "GetSurchargeValue" and "GetSurchargeValueWithQuantity" the total value was returned over the production runtime instead of an annual value.
- Costing scheme
  - An error in the assignment of other activities to a cost element has been fixed. The selection of the activity was lost after the change was confirmed with "Apply".
  - An error when using the property "Project.AnnualGrossQuantity" was fixed. The error occurred when an attempt was made to access values outside the production period.
- "Scaling" calculation mode
  - A bug in copying parts in "Scaling" mode was fixed. The error occurred when the part was copied into another project. The costs were not correctly displayed.
  - A bug in versioning projects with parts in "Scaling" mode was fixed. The deviation between target costs and costs was not correctly displayed in the version.
- Excel BOM import
  - **FD #18179**: An error when importing the cycle time at manufacturing processes was fixed. The error occurred when the cycle time was to be imported without assigning the cavity.

- FD #18279: An error during the import using the "Infragistics" driver has been fixed. The import could not be completed when a large number of formulas was used. As a result, the formula validation has been disabled.
- The emission factors were not applied when assigning location factors in the project. This is now fixed.
- Excel project import
  FD #18206: An error when inserting single projects into a multi project was fixed.
  - When the projects were created via the Excel project import, they had to be opened and saved each time before inserting. The error occurred because the setting for the investment period was not taken into account.
  - FD #18268: An error when using the "Excel Interop" driver has been fixed.
  - FD #18614: A bug occurring when using the new domain logic was fixed. The bug showed when the SOP month was not set.
  - FD #18626: A bug when setting the correct workflow status during the Excel project import was fixed.
  - FD #18663: An error when defining the lot size was fixed. The lot size at the top assembly is now automatically determined again.
- FD #18513: System settings - An error when saving the settings for the workflow status has been fixed.
- FD #18201: Project comparison - An error in displaying the column header in the project comparison was fixed. The error occurred when the absolute and percentage deviation was additionally displayed as a column.
- FD #18572: Exchange rates - A bug in permissions for editing exchange rate tables in the Project Cockpit was fixed. It happened that users could not change the exchange rates even when the permissions were set correctly.
- FD #18827: Attributes - Default values for attributes are now stored correctly in the database.
- FD #18112: Programs & Take Rates - A problem with simultaneous editing of take rates has been fixed. The error led to inconsistent states of the quantities in the project.
- FD #18525: QBD - An error when creating costing types after synchronizing them with the base project was fixed. The costing type could only be created after saving it again.
- Export quotation templates - An error when exporting project costs to external quotation templates has been fixed. The bug occurred when multiple short names for currency units were administered.
- Sales prices - The absolute and percentage deltas (savings) are now correctly displayed as read-only for the first year.
- Versioning - An error in the versioning of project-specific shift model information was fixed. The error occurred when using the new domain logic.