FACTON
INNOVATIVE COST MANAGEMENT

FACTON EPC 9 SC FP1 – RELEASE NOTES

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FACTON
INNOVATIVE COST MANAGEMENT

INHALT

1. GENERAL NOTES

N/A

2. INSTALLATION AND COMPATIBILITY

N/A

3. SYSTEM REQUIREMENTS

See Technical Factsheet

4. RELEASE CONTENT - SUMMARY

The version FACTON EPC 9 SC FP1 is a release with these functional enhancements:

- Cost Models
- Multi-Level Supply Chain
- Importing and Updating own Benchmark Data
- Bill of Material Report
- Manufacturing Cells and Machine Periphery

Following function has been removed from FACTON EPC 9 SC FP1:

- The Cost Model Transfer Press was replaced by the Cost Model Deep Drawing.

5. FUNCTIONAL ENHANCEMENTS

5.1 Cost Models

The following cost models have been added:

5.1.1 Cost Model for Deep Drawing

- Calculation of Cycle Times with Part and Material parameters
- Automated generating of the required Drawing Work Steps
- Determination of the required Press Force per Work Step
- Determination of Primary and Secondary Times

5.1.2 Cost Model for Extrusion

- Calculation of Cycle Times with Part and Material parameters
- Automated generating of the required Drawing Work Steps
- Determination of the required Press Force per Work Step
- Determination of Primary and Secondary Times

5.1.3 Cost Model for Work Steps

- Creation of local Work Steps
- Creation, Administration and Usage of Work Steps from Master Data
- Calculation of Cycle Times according to single Work Steps
- Support and Conversion of the Time Unit »TMU«

The following existing cost models have been extended:

5.1.4 Cost Model for Chipping

Usage of the respective cutting parameters of usual chipping tools

5.2 Multi-Level Supply Chain

- Supply Chains (Tier 1, 2, ..., n) can now be imputedly displayed.
- Every scope of supply is represented by an independent calculation.
- Calculations of different supplier levels can be interlaced.

5.3 Importing and Updating own Benchmark Data

From now on, own benchmark data can be imported and updated via an Excel-Import.

5.4 Bill of Material Report

The Bill of Material of a calculation can now be opened via a Bill of Material Report and can be exported, e.g. as an Excel or PDF file.

The Bill of Material Report is divided into four sections:

- Cover Page
- Bill of Material, incl. Costs
- Material Overview
- Production Overview

5.5 Manufacturing Cells and Machine Periphery

Machines and their periphery can now be combined and imputed in a Manufacturing Cell.

The Purchase Value, the Installation Cost, and the Machine Cost Rate of the Manufacturing Cell are automatically determined based on the attached Machines.

6. OTHER ENHANCEMENTS

- The Overhead Rate basis for Administration, Sales, Development, and Logistics of each calculation can be set to ManC II or ProdC.
- Calculations can be assigned to clients informatively by setting the client name in the Should Cost Calculation level.
- Now, calculations can also be found via the client.
- The basis for calculating the Manufacturing Overhead Cost has changed from »Labor Cost« to »Labor Cost, Labor Setup Cost, Machine Cost, Machine Setup Cost, Manufacturing Scrap«.
- The basis for calculating the Manufacturing Scrap has changed from »Labor Cost, Machine Cost, Manufacturing Overhead Cost« to »Labor Cost, Machine Cost«.
- Machines that are not supported anymore, i.e. that are expired, are shown in a Consistency Rule.

7. BUG FIXES

- After bug fixes, the calculation elements Process, Setup Process, Material and Should Cost Calculation are provided with updated modes.
- Modes that are already used in previous calculations are then identified as "outdated" and are not available for new calculations anymore. Outdated modes of previous calculations can be updated manually.

Known Issues

- #44998: Cost Model Deep Drawing: A Consistency Rule checks whether the Machine has at least the required number of Press Stations. This Consistency Rule is also violated if the number of available Press Stations equals the number of required Press Stations.
- #45031: When copying a Process with "Sintering" as the chosen Cost Model of an Assembly "Mass" into a Production Line, the Production Costs of the Process are displayed as #INVALID#.