Connected Packaging IT-Solutions

Proven interfaces, industrial standards and easy customization

CPI Level 3 suite

- **Enhanced serial number and PO management**
- **Handling of all serialization and aggregation lines in a site**
- **Master Data**
- **Serial number generator or import functionality**
- **Data and reports handling**
- **Parallel communication with several systems/interfaces**
- **Dashboards, visualization and analysis tools**
- **Warehouse rework**

CPI Line Manager

- Smart, flexible and supplier independent line management
- Connects all machines in a line to a single point, reduces number of operators and eliminates causes of errors
- Easy to integrate into new and existing lines
- Imports/exports data from upper systems
- Transfers from/to all machines in the line
- Material verification, AQL samples reject, counter reset, life linestatus as well as line batch reports are already included in starter edition (can be expanded to customer requirements)
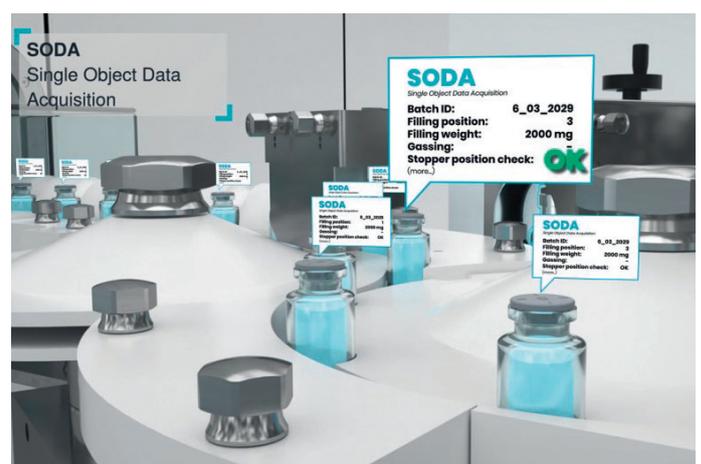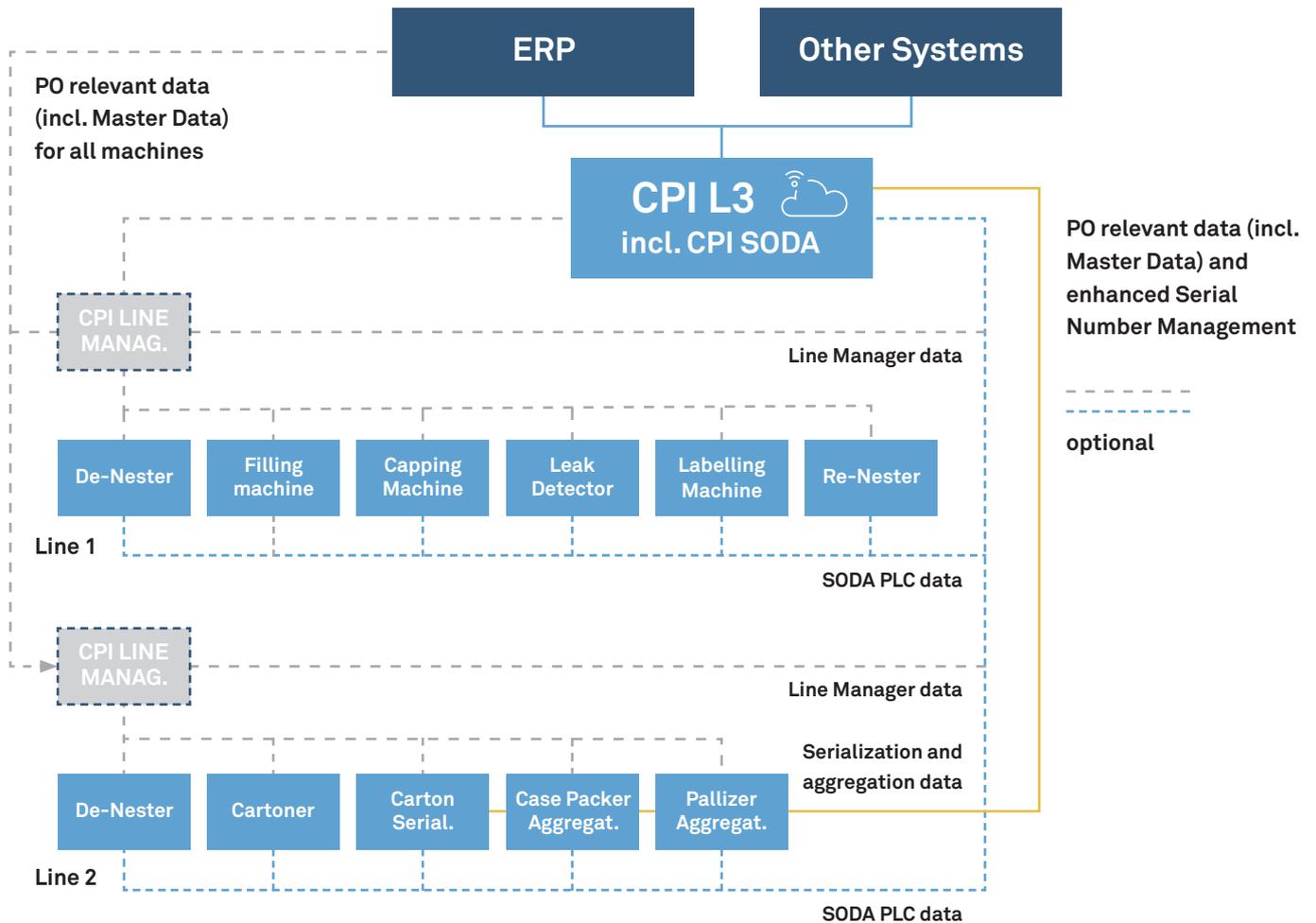
- Proven interfaces and fulfillment of industrial standards
- Easy customization and fast integration into different environments
- Depending on customer requirements, every software can be implemented in different stages and with scalable modules

CPI SODA

- **Single Objects Data Acquisiton Starts already in production/processing, all object specific data can be linked to a single unit**
- **The system collects simultaneously data and parameters from all machines, in all lines and in all sites**
- **Based on OPC UA for communication with different PLC's and customizable for every line setup**
- **Prevents mix-ups and recalls, supports quality management and anti-counterfeiting**

Possible Architecture

Picture shows additional functionalities besides „classical" serialization and aggregation

| ERP | Other Systems |

CPI L3 incl. CPI SODA

PO relevant data (incl. Master Data) for all machines

PO relevant data (incl. Master Data) and enhanced Serial Number Management

- - - - optional

CPI LINE MANAG.

Line Manager data

| De-Nester | Filling machine | Capping Machine | Leak Detector | Labelling Machine | Re-Nester |

Line 1

SODA PLC data

CPI LINE MANAG.

Line Manager data

Serialization and aggregation data

| De-Nester | Cartoner | Carton Serial. | Case Packer Aggregat. | Pallizer Aggregat. |

Line 2

SODA PLC data

Our IT-solutions at a glance

- Track & Trace and Industry 4.0 suites
- Single Object Data Acquisition (SODA)
- Line management and line reports
- Master Data and serial number management
- Order and material management
- Rework management
- OEE analysis and improvement
- Condition and energy monitoring
- Smart machine learning
- ERP and 3rd party system interfaces
- Predictive maintenance and 24/7 service

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