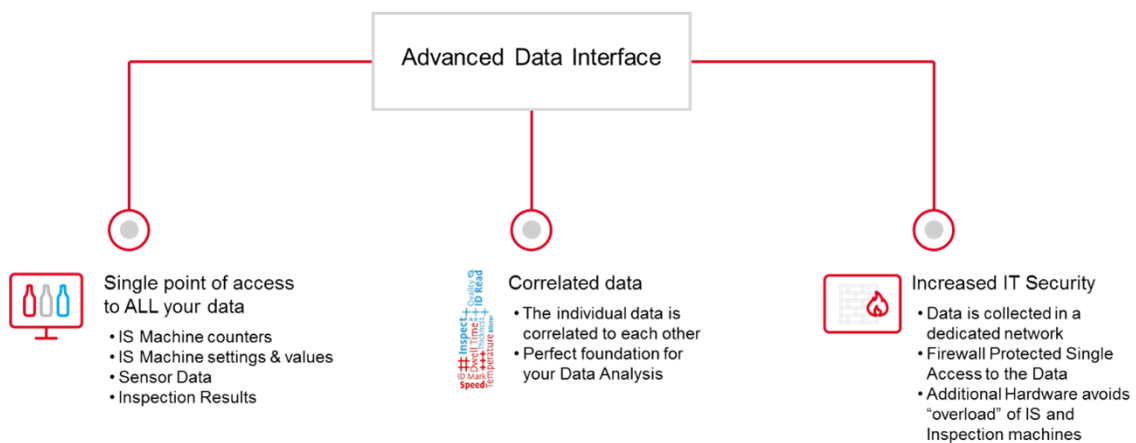


Technical News Bulletin

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Bucher Emhart Glass Data Interfaces

- IS machine counters
- IS machine settings and values
- Sensor data from Gob Radar, Blank radar, PPC, FlexRadar
- Inspection results from BEG inspection machines (wall thickness, rejects etc.)

Introduction

Data analysis is becoming more and more important to reach higher pack rates and constant high quality. The BEG data interfaces offer a single point of access to data that is available from BEG IS machines, BEG sensors and BEG inspection machines. The collected data can then be used and collected in any desired data collection system, for example plant information systems, MES systems or machine learning tools. This facilitates the process and data analysis significantly.

The BEG Data Interfaces allow to retrieve the following data.

- IS machine counters
- IS machine settings and values
- Sensor data from Gob Radar, Blank radar, PPC, FlexRadar
- Inspection results from BEG inspection machines (wall thickness, rejects etc.)

Depending on the data that should be accessed different hardware and interfaces are needed. The below table describes this.

Data Access Solution	BEG equipment needed	BEG Data Interface Needed
<p>Forming and inspection data - Correlated to the single bottle:</p> <ul style="list-style-type: none"> - Machine data - Sensor data - Inspection data 	<p>Line Server 3</p> <p>Control Center</p> <p>ID Mark and ID Read</p> <p>FlexIS 3</p>	<p>Advanced Data Interface (Rest API)</p>
<p>Forming data - Correlated to the single bottle:</p> <ul style="list-style-type: none"> - Machine data - BEG Sensor data 	<p>Line Server 3</p> <p>Control Center</p> <p>FlexIS 3</p>	<p>Advanced Data Interface (Rest API)</p>
<p>FlexIS machine data</p> <p>Production Data</p>	<p>Line Server 3</p> <p>FlexIS 2 or higher</p>	<p>FlexIS Data Interface (Rest API)</p>

Table 1: Data Access solution, needed hardware and data interface

Data Access as a service

The Advanced Data Interface is offered as a service. This service contains the following:

- Usage of all necessary software
- configuration of the necessary hardware
- remote installation of the necessary software
- regular remote updates of software including additional values and settings
- remote support and remote audits

How to access and documentation

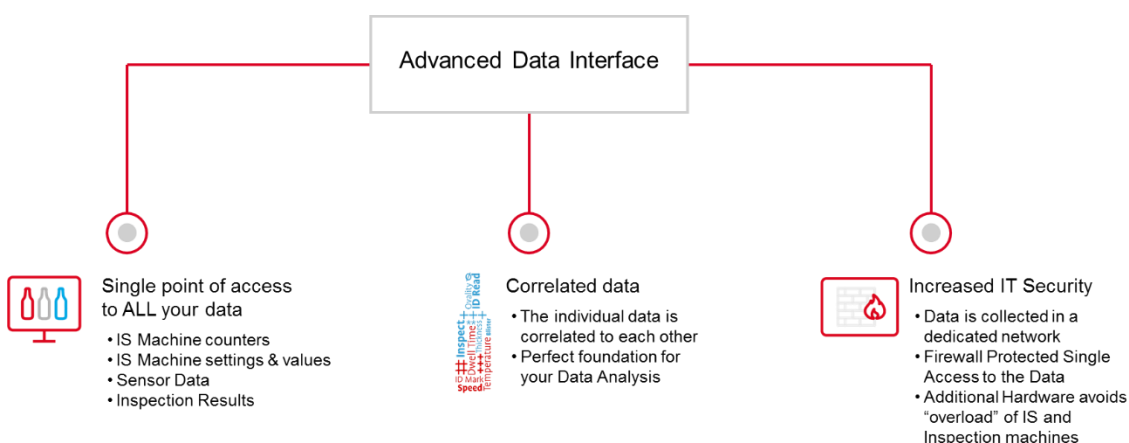
The data can be accessed via a REST API and will be provided in a JSON format. Both REST API and JSON are IT standards that are well known to programmers. The Data Interfaces therefore target programmers that collect data and want to connect this data to MES systems, Machine learning algorithms or use it in any other way.

The complete online documentation of the interfaces contains a detailed description of the available data, the access to it and also functional tests of the interface.

Requirements

The requirements are listed in Table 1 and depend on the kind of data access. The installation is covered by the service.

Features & Benefits



Specification

FlexIS data interface	601-20001-09
Advanced Data Interface	601-20001-10
Control Center Desktop Version	601-12-22
Control Center Cabinet Version	601-12-21

Related Documentation

TNB 294 Line Server 3