

BLUEHILL[®] UNIVERSAL

Custom Services



Instron's software engineering team develops custom versions of Bluehill Universal to provide solutions for specific customer requirements that are not met by standard Bluehill.

EXAMPLES



Integration of 3rd-Party Data Management Systems (i.e., LIMS, MES)

- Bluehill's standard export files or application programming interface (API) are typically sufficient, but some users request specific connections to automate data transfer of results and sample information.
- Uni-directional - one way communication, import test information OR export results
- Bi-directional - two way communication, import test information AND export results
- Example data transfer protocols:
 - File-based (i.e., ASCII, XML, JSON)
 - OLE DB
 - OPC-UA
 - TCP/IP
 - Serial (i.e., RS-232, Modbus)
 - RESTful web services
- Example platforms:
 - Microsoft[®] SQL Server (on-premise or Azure)
 - Oracle[®]
 - QBench[®]
 - albert[®]



Integration of 3rd-Party Devices

- Resistance and voltage measurements
- QuantumX[®] DAQ
- Camera integration (high speed, high resolution, vision system)
- Environmental sensors (i.e., temperature, humidity)



Barcode-Driven Workflows

- Operator scans 1D or 2D barcode linked to sample, Bluehill parses or retrieves information from specified database, and sample is automatically created - reducing time and errors associated to manual data entry.



Security Authentication Types and User Permissions

- Okta[®]



Calculations

HOW DO I REQUEST A CUSTOM VERSION?

If you have a specific need or integration, provide your local Instron Sales representative with a general description along with any particular model or database details. If it is determined that a custom is required, we will engage our Bluehill team to provide a proposal.