

Flex Gateway

New gateway simplifies the collection of data from plant-floor systems

The QualityWorX Flex Gateway simplifies the collection of data into a centralized QualityWorX database from a variety of systems, including legacy systems. This data is then available for productivity analytics, compliance and in-depth root cause analysis across your entire production line.

Collect scalar, digital signatures from virtually any device

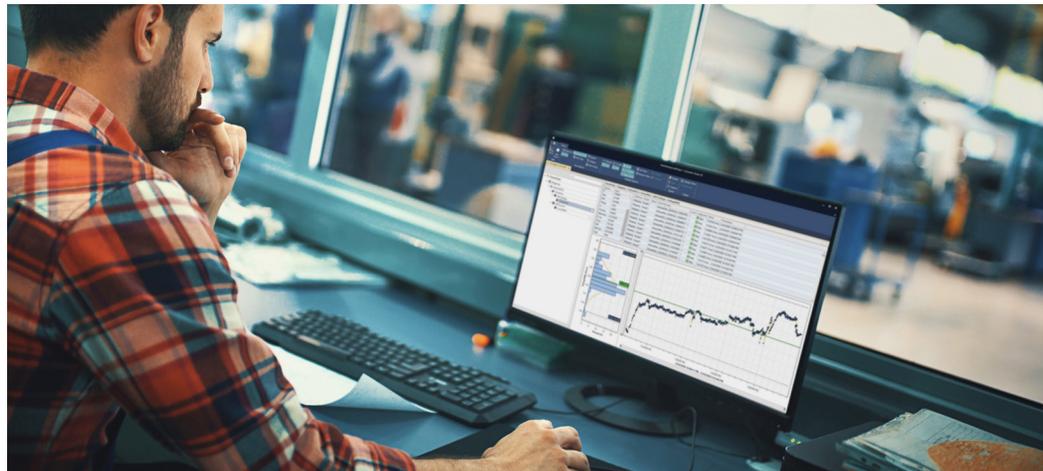
- PLCs
- In-process test systems
- Rundown tools
- End of Line test systems
- Data acquisition systems
- Third-party or custom databases

Multiple Input Connector Types

- FTP
- Directory Monitoring
- Web Services

Powerful Data Parsing Engine

- All Sciometric data file types
- .txt, .csv, .ini, .xml, JSON, .HTML, binary files (i.e. tag)—virtually any text file



Once received, data is always reliable and secure

- Data sources are authenticated
- Data received by the gateway is buffered in the event of network or server outage
- Data with formatting errors are quarantined for future triage
- All network communications are encrypted

Flexible Data Output Options

- Flexible routing allows data to be delivered to different QualityWorX database or multiple databases simultaneously

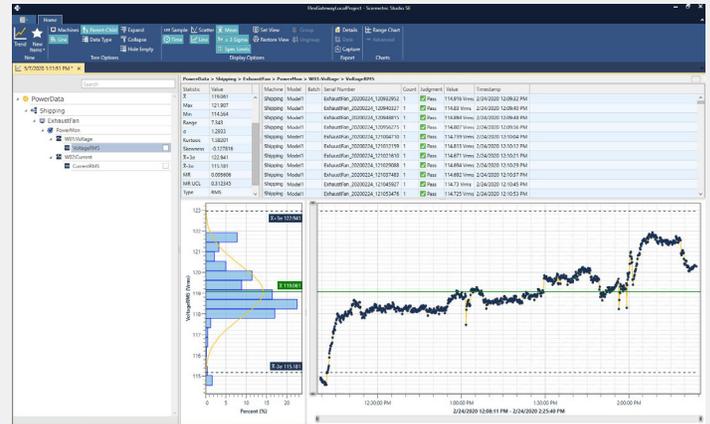
Overview

The QualityWorX Flex Gateway acts as the front line in a QualityWorX (QWX) data solution. One instance can handle multiple data sources, decoders and databases simultaneously, providing a truly flexible and scalable solution.

Using a Lua scripting environment, Sciometric's application engineers configure the QualityWorX Flex Gateway according to your input. The gateway can be set to monitor a submit folder (and sub-folders), processing data files as they become available. Data can also be obtained through a FTP (File Transfer Protocol) or through a web service, where the gateway exposes a SOAP endpoint.

Extracted data is parsed automatically using either a Sciometric Data Format Parser or a custom decoder that allows for configurable decoding. Communications interfaces not currently supported require initial consultation. Please contact Sciometric for more information.

Once received into the QualityWorX database, data is then available for analysis using Sciometric's data analytics tools. These tools can be used to improve product quality, increase efficiency, perform in-depth root cause analysis, and achieve continuous improvement across the entire production line.



Consolidate, view and analyze text data files from processes across the production line

System Requirements

The QualityWorX Flex Gateway is designed to work with QualityWorX V3.42 and higher. It is intended to be installed on a system which meets the requirements below.

HARDWARE

- 2 gigahertz (GHz) or faster 64-bit (x64) processor
- 8 GB RAM (64-bit) or more
- 10 GB hard free disk space, plus space for data buffering

SOFTWARE

- Windows 10 64-bit (.NET 4.8)

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