

Application note

Pharmaceutical Asset Inspection

Benefits

- Inspect at the highest level with superior image quality
- Intuitive user interface
- Easily manage data with InspectionWorks Insight



Summary

Production of life saving drugs requires complex apparatuses consisting of stainless-steel valves, piping, and vats. These items need to be visually inspected regularly to verify their suitability and safety. Normally, cleaning and inspecting can be both costly and time consuming.

Challenge

Connecting valves, piping, and vats have welds. The integrity of these welds is critical, and often is driven by strict regulations and standards. When equipment is new, weld dimensions must be validated. These include accurate bead dimensioning, as well as validating minimum and maximum depths/heights of the weld are within specification. This can present a challenge in the number of measurements required to obtain representative measurements of the entire welded joint.

In addition to welds, lack of cleanliness or cross contamination in the valves and piping can cause catastrophic issues. Any particles contaminating medicine can ruin production or lives. Cleaning in Place (CIP) and Sterilization in Place (SIP) helps ensure there are no foreign particles. Unfortunately, CIP and SIP do not give insight into the corrosion of a valve or pipe. To ensure pipe integrity, some inspectors have resorted to disassembly or even cutting off pieces to inspect.

Solution

Waygate Technologies offers an array of tools fit for the inspection challenges of the pharmaceutical industry.

See images clearer with an industry leading image quality from Waygate's Everest Mentor Flex. With advanced steering, intuitive interface, XGA display, and advanced image processing allows inspectors to quickly locate indications and make decisions about the things they see.

Once images are taken, they do not need to be stored on a borescope, instead, they can easily be stored in the cloud using InspectionWorks Insight. InspectionWorks Connect local+control provides wireless file transfer on a local network and remote control of the video borescope using an iOS or Android device.

Pharmaceutical inspections become more objective; more reliable; more accurate.