

QUALITY CONTROL ANALYSES



In glass container manufacturing plants, the laboratory remains crucial to ensure the quality of products. Customers' requirements are more and more precise and some tests will never be performed on line. Higher availability of control devices requires more controls to be carried out by operators. It takes time to make the measurements and to write down the figures on sheet of papers. In some cases additional calculations need to be done. For example, the capacity needs to be computed with the density of the water which depends on the temperature. By hand it may take up to two hours to check a set with many risks of errors.

Electronic devices help saving time by carrying out controls automatically and sending data to a connected system but it is required to analyse and store data in an external database system where all other controls measurements are stored.

Fast access to measurement data is required to compile internal and customer reports, client complaint verification and statistical process control.

Easy access to measurement data makes customer audit easier and more satisfactory to customers. Nowadays a modern laboratory is likely to be equipped with a Quality Analysis System. *SILQual*, **Vertech's** Quality Control System, answers these requirements by providing, the French company says, user-friendly interfaces.

Benefits of *SILQual* systems are numerous:

- saving time by collecting the measurement data directly from the devices. Nearly all equipment in the market, such as scales, callipers, slide gauge, comparators, glass thickness, pressure testers, and dimensional checking can be directly connected, leading to a reduction of 50% in workforce time;
- securing specific treatments such as capacity, out of round, retests. Automatic standard of reaction;
- storage of all specifications in a single database accessible from all over the plant;
- reinforcing of images by means of professional reporting.

SILQual is one of the modules that make up the *SIL* system, a complete system for production monitoring,

which is installed, says Vertech, in more than 80 glass container manufacturing plants worldwide.

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