

## White paper:

### CNC valve testing, productivity vs. efficiency

CNC valve testing is demonstrating how the new generation of Ventil computer programmers and design engineers have transformed the practice of valve testing into a precision art. Of course conventional testing can still do the job, but we experience that a growing amount of valve manufacturers now opt for CNC valve testing because of the many advantages that its process has to offer.

These advantages become truer now than as ever, as we see that computer technology continues to improve accuracy and efficiency. The game changing arguments for CNC testing are;

- It is becoming very hard to find skilled and qualified personnel... As the industry evolves, and the big crew change marches on, knowledge and hands-on experience becomes crucial. With CNC valve testing, the test unit does the 'skilled' work. It automatically measures, detects and concludes with 'pass or fail'. The operator only has a supervisory role. There is not much experience or advanced training needed.
- Safety is paramount... Once the CNC test sequence is started, the test unit runs the test sequence by itself in a fully enclosed test bay. This increases plant safety, as workers are not directly exposed to the dangers of pressurized equipment.
- Series testing is mind-numbing... Routines often turn into habits. The CNC controlled test system is consequent. It is programmed to test and measure according to the applicable standard. It is not influenced by a Monday morning (hang-over) effect or the Friday afternoon fatigue. CNC testing reduces the human error incidence.
- The CNC test unit can operate continuously, 24/7 and only requires a short down time for maintenance. Multi station CNC testing allows large quantities, series testing, much faster than the conventional test unit. The output of a CNC valve test unit can be as high as several thousands of valves per day.
- The CNC test unit can be easily updated, changing the software, and can be reprogrammed in a short span of time. This enables different applications, such as a different valve type or a different seat leakage standard.

With Ventil Engineered Solutions we offer to share our knowledge and experience, assisting customers to improve their efficiency, operational safety and competitiveness.

*Is testing still a bottleneck in your production chain..?*



*Get in touch with Ventil..!*

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