



## When the full range of test chamber solutions is required, you can trust Weiss Technik to deliver

When Oxley Group needed a robust and programmed approach to developing their testing capacity, Weiss Technik UK provided an unbeatable solution that fulfilled all requirements.

Oxley Group was founded by the late Robert Frederick (Freddy) Oxley in 1942 initially in Market Place and later from the 1950s to Priory Park in Ulverston. The site is nestled away on top of a hill surrounded by woodland near the beautiful Lake District. They are a market leader in the design and manufacture of rugged and reliable LED and electronic components mainly for aerospace and military applications.

The Oxley client list is impressive being a suppliers to the likes of BAE Systems, SAAB, Thales, Sikorsky General Dynamics, Northrop Grumman, Airbus, Boeing, Gulfstream and Lockheed martin to mention a few as well supplying well known distributors such as RS Components and Farnell.



Oxley Grounds

Oxley is actually one of our oldest customers, going back to our Gallenkamp and Design Environmental Days. They obviously know a quality product when they see one! They have test equipment on site in daily use that is in excess of 20 years old.

Oxley is investing in multiple new test chambers, in phases, following a tender process to improve and increase their testing capability. This ensures that their own high quality, market leading products remain as such with rigorous testing procedures. Weiss Technik UK was selected to supply the new chambers for multiple reasons; essentially WUK has a solution to all of their different chamber requirements and we have been a previous supplier and service provider.

Mr Glyn Shepard BSc(Hons) Cert Ed MIET Qualification Test Laboratory Manager stated, ***“Our choice of chamber supplier was limited by capability and range of products. Weiss Technik could offer a solution to all of our chamber requirements and their equipment came out on top due***

***to its impressive performance, known quality, reliability and the all new features in operation and control. The new equipment is backed up by comprehensive service level agreements that include calibration undertaken by Weiss’s own factory-trained service engineers. This provides us with total peace of mind.”***

The first chamber to be ordered was our Clime Event C/800/70/25 that features a remote, external air cooled condenser. This chamber is capable of 25k/min rate of change heating and cooling between +180°C and -72°C, supplied with some optional equipment for the humidity control system. This chamber will meet and exceed many rigorous military and aerospace test standards with a considerable test load. For more information regarding these chamber types please refer to the following link:

<http://www.weiss-technik.co.uk/en/products/detail/climatic-test-chambers-with-eco-friendly-refrigerants-type-climeevent~p3835>



Clime Event C/800/70/25



Mr Glyn Shepard

Oxley were having serious reliability issues with an older chamber from a different manufacturer and had difficulty in completing tests on time. An agreement was struck to offer a loan chamber to Oxley whilst the new Clime Event Chamber was being manufactured. Weiss Technik delivered a C 1000 -70 chamber as a loan unit which was installed an up and running in no time at all.

Being only 3 years old the WVC chamber from our hire fleet had the later WebSeason control interface and good performance . Oxley were that impressed they subsequently purchased this chamber and it replaced the older unit which had been causing problems in the lab.

The third chamber recently purchased was not initially on the chamber requirements tender but following discussions with Technical Director Mark Jordan, another need was identified to speed up final testing of certain product ranges. This was a Thermal Shock test which involved manual input in UUT transfer. Significant time could be saved and man hours utilized elsewhere if the test was carried out in a bespoke thermal shock chamber. A Shock Event T / 120 / V2 was offered as a solution with the added bonus the chamber was in stock from Germany and available for quick delivery. The installation area was a little cramped and to save heat build-up in the small test lab the chamber was supplied with a remote air cooled condenser mounted outside.



Technical Director at Oxley, Mark Jordan commented, ***“These new environmental chambers provide a great extension to our existing test facilities. They provide additional capability and capacity for production ESS testing and also our in house formal product qualification testing. The performance of the Weiss Technik chambers exceeds the requirements of the stringent Military and aerospace test requirements.”***

Overall, another happy customer with state of the art test equipment that will future proof their test requirements for many years to come, thus ensuring Oxley Group continue to offer robust, high quality products.

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