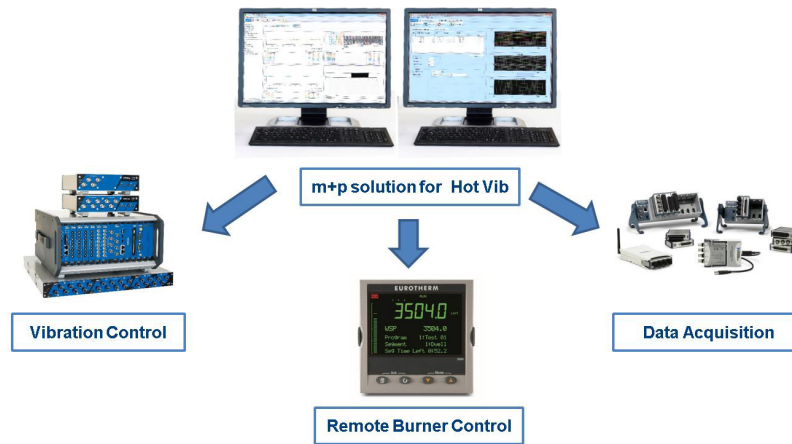


Integrated Turnkey Solution for Hot Vib Applications



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Durability Testing Under Temperature

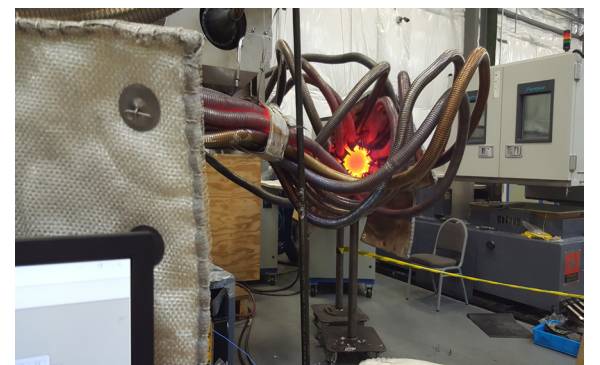
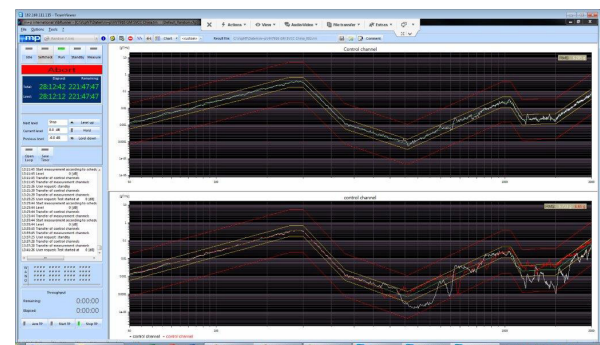
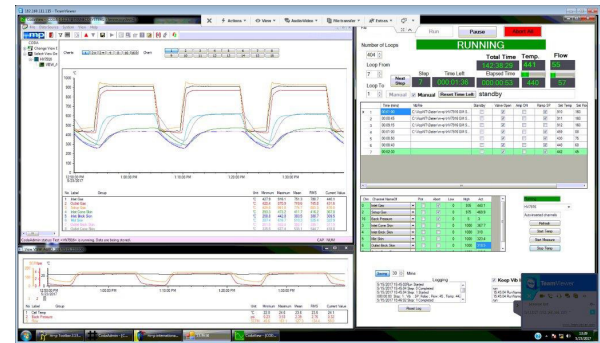
Testing products under temperature is critical for accurate durability results. This requires three very different systems to all work together. The vibration controller must apply the vibration profile while temperatures, pressures and other signals are being monitored and recorded - all while a burner system applies the correct temperature.

Solution

m+p vibration controllers are well known in the industry and we have a long history of integrating external devices such as chambers, blowers, amplifiers and functional test equipment. This experience resulted in a turnkey solution that enables the test lab to control all three systems with a single interface. The m+p vibration controller is teamed with National Instruments data acquisition hardware for the thermocouples, pressure and other signals. Eurotherm gas values are remotely controlled via ethernet.

Operation

The burner control is programmed and remote set points are defined by the user. At each set point the correct vibration profile is called out and the user can specify limits on any of the data acquisition channels. The results are provided together in a single file enabling easy reporting and documentation. Lab Manager Jim Dumas explains "After extensive industry evaluation m+p has the only turnkey solution for hot vib and teamed with their best in class controller for both single and multiple axes they are the right partner for us."



Hot Vib Solution Provider

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