

Cooperation between ENGMATEC and Rehm: Two strong partners complete each other



In order to protect life and limb of vehicle occupants, cold and warm function tests of electronic assemblies in automobiles are of great importance. Two specialists in this field, ENGMATEC and Rehm Thermal Systems, have recently started cooperating with each other to ensure a good deal more safety on the roads.

Specifically, this involves combining ENGMATEC's test automation with Rehm's Securo test systems. "This enables automobile manufacturers and their suppliers to play it safe and ensure a high level of reliability of the assemblies, even under extreme temperature conditions", says Michael Kaltenbach, Sales Manager at ENGMATEC.

During the cold and warm function tests, safety-relevant electronic components such as airbag controls, steering systems or wheel and ESP sensors are exposed to extreme thermal strains from -40°C to $+120^{\circ}\text{C}$. In the course of a car's life, this thermal stress poses a particular challenge.

It is important to detect possible errors already during the production process and to eliminate any risk. As a specialist for thermal system solutions, Rehm's portfolio includes Securo, a test system which, thanks to its flexibly deployable circulating product carriers, can be used for a wide variety of assemblies. "We know how closely clocked the production processes in the automotive industry are. Since our Securo can be integrated into the production process as an inline solution, users save time and money," sums up Michael Hanke, overall sales manager at Rehm. With the system configuration, a 100 percent inspection can be realized with cycle times between ten and 15 seconds.