

## ENGMATEC presents air-conditioning test systems

Both as stand-alone systems and as in inline version, temperature test systems is the emphasis of ENGMATEC GmbH's trade fair presence in this year.

An electronic subassembly in the automotive sector must be able to work reliably also under extreme temperature conditions. The requirements on reliability of safety relevant subassemblies make a 100%-test frequently necessary.

ENGMATEC TECONA produces both air-conditioning test systems in batch version (temperature test cabinets) and as inline-capable, pass-through tunnel systems (DTA) in which the devices under test are brought to temperatures between - 40°C to +140°C.

The subassemblies run on coded workpiece carriers through single or multiple line temperature cabinets of the pass-through tunnel systems (DTA), where they are contacted and tested. Air flowing transversely to the flow direction in connection with a special traversing technique ensures optimum temperature control of the subassemblies at accurately defined reference points. A service friendly system with easily exchangeable testing adapters in drawer technique is used for contacting.

The WT are concurrently cooled down to ambient temperature on the return motion path underneath this cabinet.

Automatic loading and unloading of WT, data management as well as designation of good subassemblies are often integrated in the lines.

The field of environmental simulation complements the hitherto existing product portfolio of ENGMATEC GmbH with the segments – automation, measurement technology, testing and board handling.