



REFERENCE

FULLY AUTOMATED FUNCTION TESTER FOR PCBs

THE TASK

A customer needs function testers for the circuit boards used in blood glucose meters for his production line. EXCO is commissioned with the iterative development of the function tester and creates a test setup for manual testing for development and debugging, a semi-automatic tester for functional models, prototypes and the first batches as well as a fully automatic tester that is integrated into a production line with a unit capacity of 20 million units/year.

EXCO SERVICES

- Development of test strategy, test concept and system architecture
- Development of test adapter incl. signal adjustments, interfaces
- Switch cabinet design and construction
- CE declaration of conformity
- SW architecture, SW design, implementation and test
- On-site start-up (FAT and SAT), product care and maintenance
- Complete qualification (DQ, IQ and OQ)

CLIENT BENEFITS

Use synergies

The coordination effort for the customer is reduced by the provision of development, implementation and qualification from one single source, creating synergies.

Dynamic development process

As part of the V-Model, development periods are divided into phases, thereby enabling the iterative approach with agile approaches.

Short development times

The iterative approach and the use of a framework developed by EXCO for manual, semi-automatic and fully automatic testing enabled the development time to be shortened.

Cost reduction

With modular test frameworks in test bench construction, the development effort could be significantly reduced and costs were thereby lowered.

CLIENT:

Manufacturer of blood sugar meters