Test of Interior Cable Harnesses

Projects realized for the following aircraft manufacturers:

- Airbus
- Boeing

Test task:
- Galley end of line test, cable harness test in installed state
- Precise continuity test
- Fast short circuit test between the connections
- Insulation resistance and dielectric strength test

System design:
- Modular central test system – operation, measurement generators and test points integrated in one cabinet
- Test system universally useable between the different galley test benches

Technical features:
- 320 test points, 2000 VDC, 1500 VAC
- IPC with operating software NT Control
Test of Interior Cable Harnesses

Test task:
- Cable harness production - end of line test
- Test table for 15 different cable harnesses
- Continuity test, short circuit test between the connections
- Insulation resistance and dielectric strength test

System design:
- Test table with 300 different adapters
- Test system and operating elements integrated in the test table

Adapter technology:
- Connector specific contour with spring loaded test pins
- Automatic electro-pneumatic clamping of the connectors
- Adapter LED, supports the operator at adapting the cable harness and at the fault search at wiring faults

Technical features:
- 3000 test points, 1500 VDC
- PC with operating software NT Control
- Especially for test table applications designed operating software

Customer benefit:
- Complete system solution from one hand, including test program