



Test of Helicopter Cable Harnesses

Helicopter type: EC-145 T2



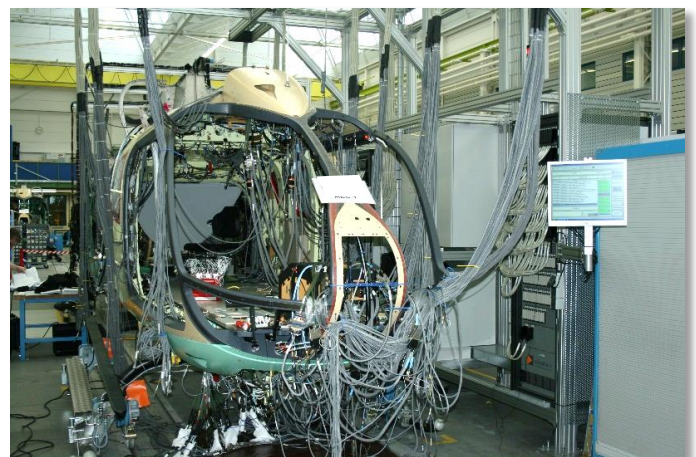
Further realized projects for following helicopter types:

- Tiger
- Airbus Helicopters
- S 76C –D
- Sikorsky



EC-145 T2 series production in clocked flow production

Images:
Working station test bench





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Test system NT 830 for the test bench EC 145 T2



Integrated into the test bench

Test task:

- ▶ Continuity test of the cable modules of the complete helicopter in installed status
- ▶ Component test of resistors, diodes and Zener diodes
- ▶ Function test of electro-mechanical components like switches, relays, panels and signaling elements

System design:

- ▶ Distributed test system consisting of a basis unit with centralized measurement electronics and 2 test point units in moveable cabinets
- ▶ Test system units are connected via bus cable and by that can be arranged freely in the test bench

Technical features:

- ▶ 22000 test points, 1500 VDC / 1050 VAC
- ▶ PC with operating software NT Control
- ▶ Adapter cable database in NT Control
- ▶ Temperature and humidity measurement
- ▶ Cable module test, semi-automated
 - ▶ Import of cable module data (wiring lists)
 - ▶ Test procedure control
 - ▶ Terminal block support