

## Testing of the Device

### 1.1 Description of FAT tests

**Range of tests:** minimal 1 day

Verification of the implementation and functionality of all parameters and stations listed in the technical specification (for example trying how long the adaptation of machine from 6-PIN to 8-PIN chip module production takes and how difficult it is, required throughput and so one).

Verification of the planar parallelism of hot press and cold press stations with pressure tape.

Verification of the repeatable milling accuracy (depth with the micrometer, position with the template).

**Implementing of 6-PIN and 8-PIN chip module into the cards** and verification of the cohesion of chip module with the card thanks to bending of the cards and penetration test with milling (on tools provided by the supplier).

**Implementing chip module with a dual interface into the cards** (both supplied by the supplier) and verification of the cohesion of chip module with the card thanks to bending of the cards and penetration test with milling (on tools provided by the supplier).

**Implementing fingerprint dummy module into the cards** and verification of the cohesion of chip module with the card thanks to bending of the cards and penetration test with milling (on tools provided by the supplier).

Verification that no part of the machine scratches or otherwise damages the cards or chip modules.

### 1.2 Description of SAT tests

**Range of tests:** 2 day

Verification of the planar parallelism of hot press and cold press stations with pressure tape.

Verification of the repeatable milling accuracy (depth with the micrometer, position with the template).

**Implementing of 6-PIN and 8-PIN chip module into the cards** and verification of the cohesion of chip module with the card thanks to bending of the cards and penetration test with milling (our tools).

**Implementing chip module with a dual interface into the cards (both supplied by the supplier)** and verification of the cohesion of chip module with the card thanks to bending of the cards and penetration test with milling (our tools).

**Implementing fingerprint module into the cards** and verification of the cohesion of chip module with the card thanks to bending of the cards and penetration test with milling (our instruments). Production of the pilot project cards with fingerprint sensor, recording and saving of the real fingerprints and testing the functionality on our reader HID iCLASS SE R10

Verification that no part of the machine scratches or otherwise damages the cards or chip modules.

Checking of all contract delivery details according the technical specification and individual points of the contract