QUALITY ASSURANCE OF INTERCONNECTOR

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OUTLINE

1. Company
2. Present QA
3. Actual collected requirements
4. Envisaged QA
5. Influencing factors
6. Traceability
Your worldwide partner for flexible assembly and testing systems
- all from a single source

At Müko Maschinenbau GmbH, with the help of our team we develop assembly and test machines for various industrial sectors.

Focus areas:
- **Machines:** from manual work stations over human machine collaborating machines until fully automatic manufacturing lines
- **Processes:** assembly, testing, labelling/ marking
- **Industrial sectors:** automotive, plastic, E-Mobility, elektronics, medical technology, cosmetics
PRESENT QA

- single layer weighing
- coated layer weighing
- thickness measurement
- master gage test
- electrical resistance measurement
- tightness test
COLLECTED REQUIREMENTS

Main requirements:
- Geometry, contour, thickness
- Mismatch of layer
- External damage
- Tightness
- Electrical resistance
- Bond strength
- Traceability

Secondary requirements:
- Surface Tension
- Coating defects
ENVISAGED QA

- tactile or optical thickness measuring
- electrical resistance measuring
- weighing
- leak testing
- optical inspection
INFLUENCING FACTORS

- environmental conditions
- short cycle time
- requested precision
- requested flexibility
TRACEABILITY

DATA MATRIX CODE IN PRACTICE

- **Online process**: 100% checking
- **Offline process**: spot check
- **Decoding / counter check**
- **Quality check**
- **Verification**
- **Customer**

Label

Checking steps:
- **1.** 100% checking
- **2.** Spot check
- **3.** Counter check
- **4.** Quality check
- **5.** Verification
- **6.** Customer
TRACEABILITY

**machine**

- Process data
- Reference-/limiting values
- Malfunction messages

**customer solution**

- MES
- ERP

Master computer: FDC / MDE
Thank you very much for your Attention
This project has received funding from the Fuel Cells and Hydrogen 2 Joint Undertaking under Grant Agreement No 735160. This Joint Undertaking receives support from the European Union's Horizon 2020 research and innovation programme and Hydrogen Europe.

[www.qsofc.eu](http://www.qsofc.eu)