

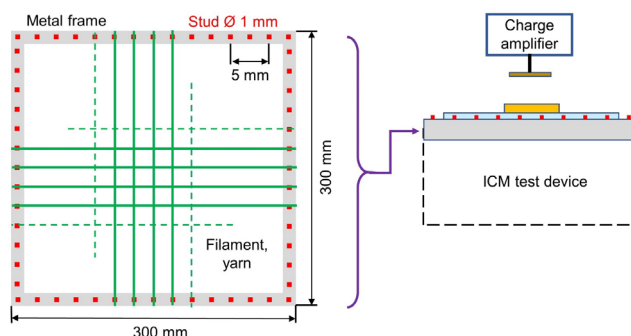
Patentable test and evaluation method for electrostatically dissipative properties of conductive yarns

Problem / Motivation

- Analysing the electrostatically dissipative functionality of conductive yarns
- The project concerns dissipative protective and work clothing for flammable and potentially explosive areas and for handling electrostatically sensitive electronic components
- A market with a secure future
- High transfer potential of project results (e.g. standardisation, legislative bodies)
- Contributing to sustainable protection of people, property and products

Solution

- Adaptation of the STFI ICM electrostatic test device to the test content
- Research and metrological verification of conductive fibre functionality
- Work on recording of conductive fibre parameters such as conductivity and electric field effect
- Identification of influencing variables, assignment of physical and material-related effects, identification of optimisation possibilities for conductive fibres
- Development of test and evaluation criteria
- Involvement in the standardisation work of CEN/TC162/WG1/PG2



Sketch of measurement technique with sample holder

Project Launch

09/2024

Project Partner

none

Acknowledgement

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