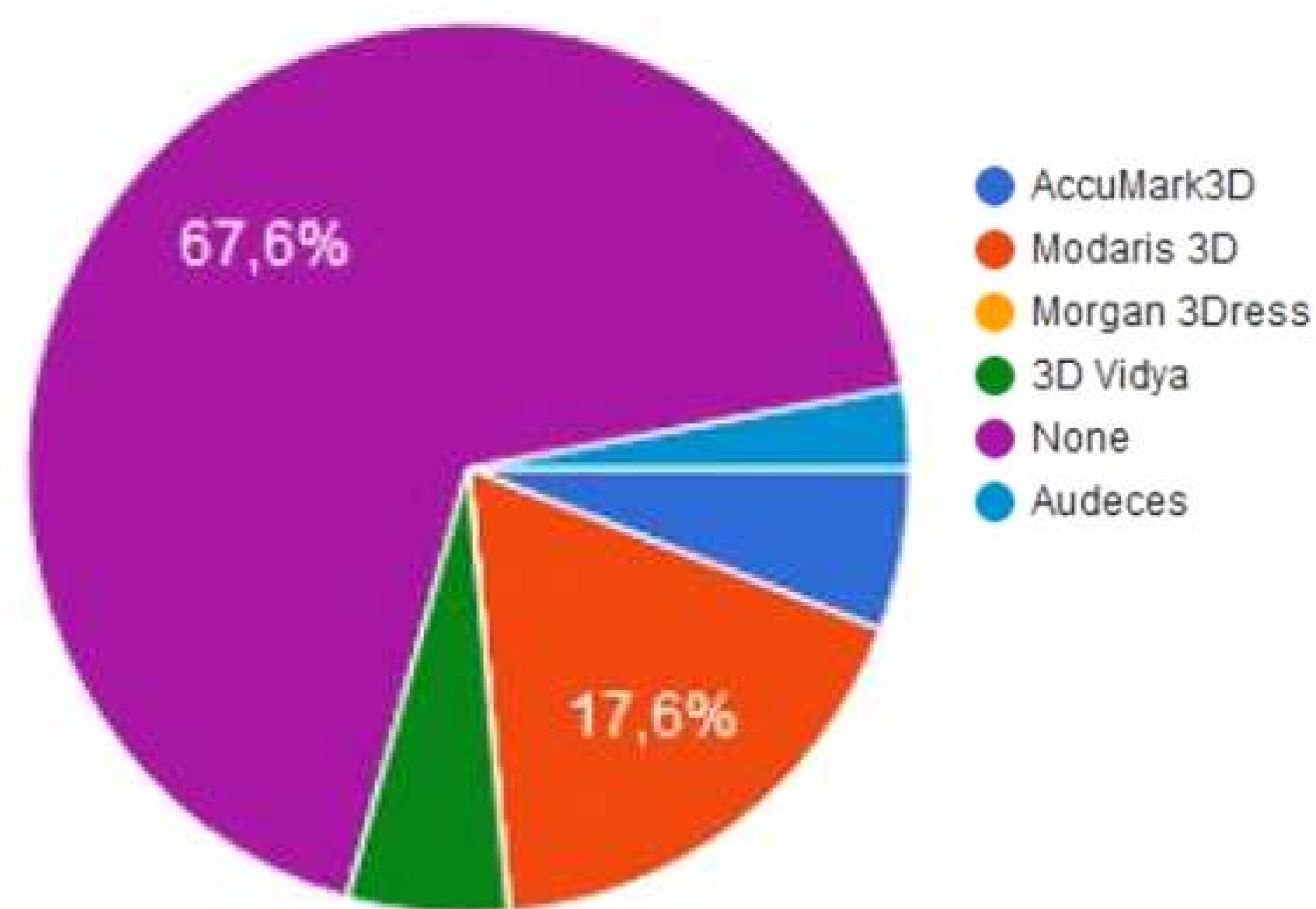


ICT in Textile and Clothing Higher Education & Business

IKT in Textilien und Bekleidung Hochschulausbildung und Wirtschaft



GAP analysis of use of 3D Visualization in clothing industry



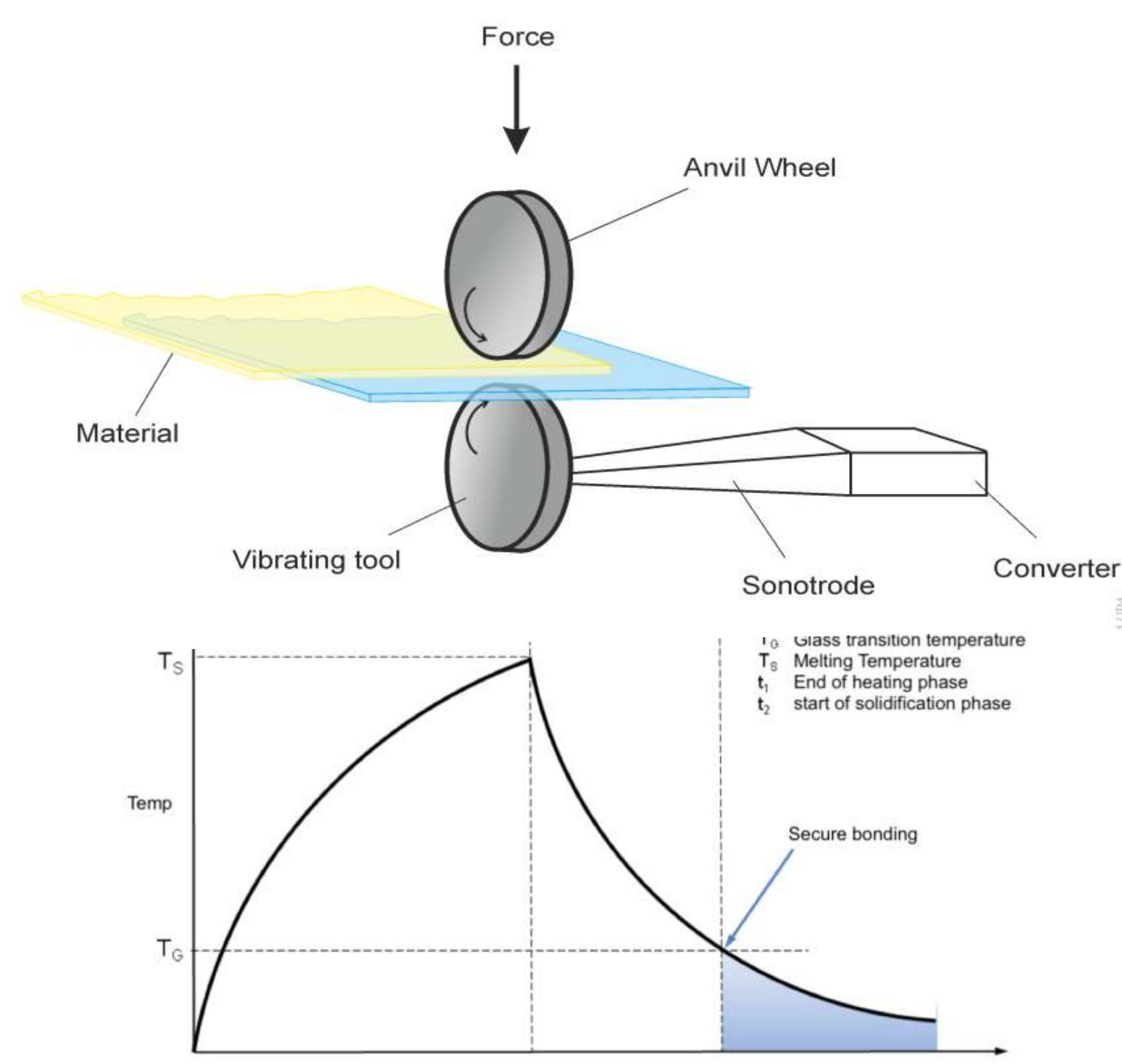
The automation of sewing industry is complex task due to the low bending stiffness of the textile materials

EN Objective

The aim of the project is the development of curriculum and syllabuses that meet the requirements of the businesses and specialists working in the textile and clothing industry (TCI). There is a tremendous need for engineers, especially those who can work with CAD, CAM, CAE and PLM systems requiring a higher level of In ICT (Information and communication technology) proficiency.

DE Zielsetzung

Ziel des Projektes ist die Entwicklung von Lehrplänen und Inhalten, die den Anforderungen in der Textil- und Bekleidungsindustrie tätigen Unternehmen und Fachkräfte gerecht werden. Es besteht ein enormer Bedarf an Ingenieuren/Fachkräften, welche insbesondere an CAD- CAM- CAE- und PLM-Systemen ausgebildet sind, welche ein hohes Maß an IKT-Kenntnissen (Informations- und Kommunikationstechnologie) erfordern.



Animations of the welding process for supporting the learning process

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Methods/results

The consortium of project is composed of universities, businesses and non profit organizations. During the project duration, The content is made available in the open-source Moodle Platform. TU Dresden is responsible for the development of pilot syllabus, of ,Apparel Design and Production. The pilot course served as benchmark for other partners.

- Desk research and field research were performed for GAP analysis to know the requirements of TCI in Europe.
- Courses in 8 different modules are developed with mutual collaboration of project partners.
- Interactive contents are developed in form of videos and new graphical illustrations.
- The content is suitable for distance learning of teachers, staff and students.

Methoden/Ergebnisse

- Das Projektkonsortium setzt sich aus Universitäten, Unternehmen und gemeinnützigen Organisationen zusammen. Während der Projektlaufzeit werden die Inhalte in der Open Source-Moodle-Plattform zur Verfügung gestellt. Die TU Dresden ist verantwortlich für die Pilotstudie, das ,Apparel Design and Production'. Die Pilotstudie diente dabei als Benchmark für die kooperierenden Partner.
- Statistische und wirtschaftliche Recherchen wurden für die GAP-Analyse durchgeführt, um die Anforderungen der Textil- und Bekleidungsindustrie in Europa zu kennen.
- In Zusammenarbeit mit den Projektpartnern werden Kurse in 8 verschiedenen Modulen entwickelt
- Es werden interaktive Inhalte in Form von Videos und neuen grafischen Illustrationen entwickelt.
- Die Inhalte sind für den Fernunterricht von Lehrkräften, Mitarbeitern und Studierenden geeignet.

Partners: Technical University - Sofia (coordinator), Ghent University, Technische Universität Dresden, University of Zagreb, Sofia University "St. Kliment Ohridski", Association of Universities for Textiles, CIAPE, Specialized Cluster and Institute for Apparel and Textile (SCIAT), H. Stoll AG & Co. KG, Materially s.r.l. Impresa Sociale, MAKJSC, Alma Doel Kocani.

Follow the project updates on www.ict-tex.eu and on social media.



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