

Textile **Futures**

Textile Innovation Programme

Plasma/Laser Applications



Project Part-Financed
by the European Union
European Regional
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FORWARD
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Background

- o Initial Feasibility Study – scouring, desizing, adhesion, anti-felting, bleaching, dyeing at University of Leeds
- o Significant potential for new products and environmental benefits
- o Equipment and expertise at the University of Leeds upgraded
- o Potential for ‘Breakthrough’ Technology adding Lasers (‘Hybrid’ approach)



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Current Situation

- o High level of interest from companies following Workshop
- o 16 project proposals developed from 12 companies (each with quantifiable outcomes)
- o Initial specification agreed for 'mini' testing plant to be developed by University of Leeds and Turchan Technologies (to measure materials, performance enhancement and production cost)
- o 'Mini' plant to be located @ Leeds, enabling testing work to be carried out with companies
- o Tenders drawn up for purchase of specific, individual items of capital equipment (published in EU 'Official Journal' 28/1/2010)



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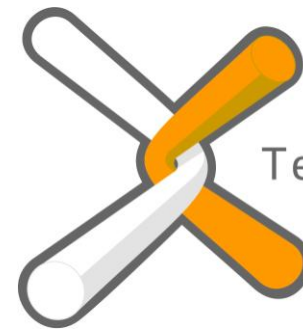
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Issues



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- o Development of Laser equipment @ University of Leeds now presenting problems to Turchan
- o Revised proposal received for development of Laser equipment @ Turchan (Detroit)
- o Agreement to be developed re. purchase of a Laser production capability, not individual components
- o Agreement to be based on 'staged payments' for development of Laser equipment to agreed performance specification (agreed with Yorkshire Forward)
- o Further dialogue required re. timing, methodology and cost for integration of Laser/Plasma technology equipment in Yorkshire



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