

**KATE GOLDSWORTHY / MULTISHEERS**

*....a project to explore 'design for disassembly' and 'mono-materiality' as a way to produce 'interim' textile products utilising digital manufacturing techniques and the recycling of PET polymer waste.....*

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'MultiSheer' Project:

This project focuses on emergent technology in both textiles and plastics fields, suitable for thermoplastic material reconstruction and decoration. The preservation of the materials' recyclability is a key element in the design of these 'interim' products.

The 'MultiSheer' collection is 'designed for disassembly'. Made from 100% reclaimed polyester and produced using clean, digital processes, all decorative elements are removable and made from recycled material discarded from the food packaging industry.

The main aim of this project was to explore a new 'technology toolbox' for the application of finishing to recycled thermoplastic materials, specifically recycled PET (polyester).

The technologies proposed for exploration included;

- Laser Welding
- Laser Cutting & Etching
- Diffusion & Sublimation Printing
- Vacuum Forming

Designs were developed for a recent installation at the Royal Festival Hall, as part of the London Design Festival 2007, where the public was invited to get involved in the creation of the pieces and engage with their 'story'.

Work from this project has been shown at the following events:

#### **2007**

2007 Oct *Design Event 07; Contains*, Newcastle

2007 Sep *MultiSheer Installation*, London Design Festival, Royal Festival Hall, London

2007 Jun *ReDesign at Nesta*, Sustainable Design Strategies and Approaches, London

2007 Feb *ReDesign at BlueBird*, London

#### **2006**

2006 Sep *ReDesign 06; good & gorgeous*, London Design Festival

2006 Jun *Design for Life: eco-conscious craft and design for the home*,

The Yard Gallery, Nottingham

2006 Mar *Well Fashioned: eco style in the UK*, Crafts Council Gallery, London (touring for 12 months)

2006 Mar *Biblio*, Triangle Space Gallery, Chelsea College of Art and Design, London