SEAMSDRESS
Dr Kate Goldsworthy & David Telfer

Textile Toolbox

This exhibit aims to rethink current manufacturing systems with a short experimental exploration to design and construct ready-finished clothes, or other 3D textile products, in a streamlined and digitally driven production line TT5/TT9.

The Seamsdress prototype is one of three developed as part of the Laser Line 2D body of work in which Goldsworthy has collaborated with fashion designer David Telfer since 2012. By incorporating his innovative models for garment construction, including 'Zero Waste' and 'Minimal Seam', into the Laser Line production model, we see a blueprint for resource-efficient, custom-manufactured fashion products. With controlled material inputs we can create products that retain their original, mono-material composition, capable of being endlessly recycled in a strict, closed-loop system. Cyclability is designed in at the outset **TT2**/TT6.

As well as cutting and seaming garment products in a streamlined way Seamsdress also demonstrates the ability of the Laser Line 2D system to incorporate finishing and decoration (Mono Finishing) into the same production line. Many traditional finishing techniques can be replicated, that would otherwise require the use of wet chemicals or by combining materials that make them near impossible to recycle. This process demonstrates environmental gains in production with less transportation between different manufacturing sites, fewer materials and chemicals, and vastly reduced water use TT1/TT3/TT4.