



Digital Inkjet Textile Design and Printing System

Overview:

Printing textile fabrics with digital inkjet technology is an excellent way to develop camouflage patterns/colors without the expense of screen production, print pastes and minimum yardage requirements. Inkjet textile printing represents cutting edge design and printing technology geared towards designing patterns/colors and printing small yardages. The system provides tremendous design capability and is ideally suited for the development of site-specific camouflage derived from photos or terrain data of a specific area that are fed directly into the design system.

Description:

The system consists of a Design System tied into a Digital Inkjet Textile Printer.

Design System Capabilities:

- Capability to scan fabrics or photographs into the system or directly from digitized pattern files or digital photographs.
- System includes a spectrometer to measure samples. You can save existing colors to the library or create new colors from the color wheel.
- The design center allows the user to extract/input colors into the pattern and design, rotate, filter, reduce colors, size the pattern, divide the pattern into the desired number of screens and put in repeat. The properly designed pattern and colors can then be sent to the inkjet printer.

Digital Inkjet Printer Capabilities:

- Can print standard sixty-inch width pretreated textile fabrics with reactive and acid dyes. An average print run is 5 linear yards. All fabrics are steamed and washed following printing to fix the colors.
- Capable of printing standard military fabrics, such as, 50/50 Nylon/Cotton twill or ripstop as well as experimental fabrics.

Status:

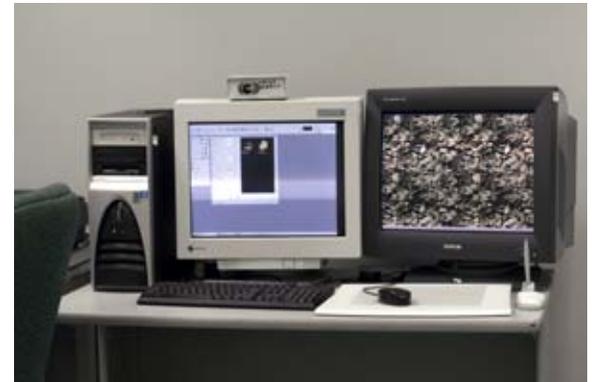
The system is currently being utilized for camouflage research efforts.

Point of Contact:

Individual Protection Liaison

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Design System



Digital Inkjet Textile printer

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