Dobby Designer

ScotWeave Dobby Designer is a complete CAD-CAM software package for creating all types of dobby fabrics. From simple single cloth fabrics to double cloths fabrics, skip dents, cramming, and extra warp/weft figuring fabrics. Virtually any dobby weave on up to 64 dobby shafts can be created and simulated on screen and printer, and production data can be printed or sent directly to an electronic loom.

Yarns & Colours

Yarns are created using ScotWeave **Yarn Designer** allowing you to create solid, twist, mixture, or space dyed yarns on screen and to scan in fancy yarns. A popup window in Dobby Designer allows you to quickly create or edit yarns. ScotWeave uses real yarn data and dynamically calculates fabric cost as you work. Fast creation of warp/weft patterns has always been a priority in ScotWeave, and a number of quick and easy pattern input methods have been devised – choose the method, which suits you best.

Weaves

Dobby Designer allows you to work with draft/draw and peg/chain plan or you can work with composite weaves and automatically generate the draft and peg plan. A weave library of over 21,000 weaves (indexed by number of shafts) is available with the system, to which you can add your own weaves as you create them. Automatic float checking and breaking can also be applied to weave structures.

Real-time view

As the weave and colour patterns are created the resulting design will be viewed on screen. Whenever you change the weave or colour patterns the resulting design is updated and viewed on the screen immediately in real time. The editing and viewing windows are completely interactive giving immediate results.
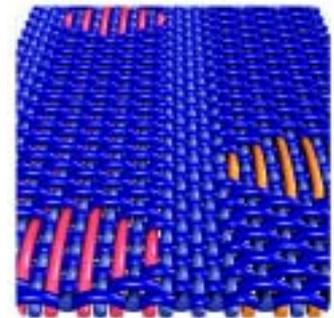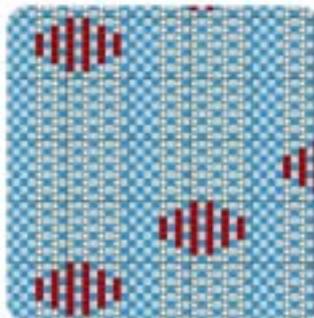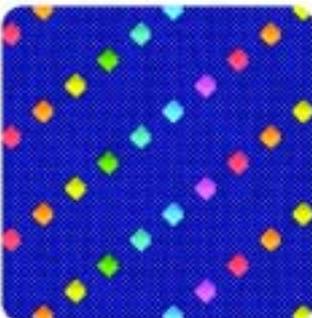
3D Viewing

Weave 3D allows you to view the fabric structure as a real 3D image and move around the structure in real-time. An optional 3D controller allows intuitive, fast manipulation of 3D objects. **Drape 3D** automatically drapes your fabric onto one of several true 3D models with real-time movement available. **Auto Drape** gives immediate draping onto preset models to help you visualise your design in a real setting. Even the standard fabric view includes viewing tools for more realistic fabric simulations - such as bending and expansion of individual threads in the fabric to duplicate the thread distortions found in real fabrics.

Loomcards

The layout of the printed loomcard can be configured by ScotWeave Ltd to closely match that of most existing production specification sheets. The loomcard can include fabric composition, weights required to make the piece, costing information and a even a picture of the fabric for reference purposes. The loomcard can be printed or saved as an HTML file ready for attaching to e-mail.

Special features

★ **Fast creation of designs and Colourways** using any of several different easy input methods

★ Advanced simulations including **variable warp and weft density** and **"seersucker"** fabrics

★ **Fast visual browsing** of designs, yarns and weaves with sorting options for ease of use.

★ **Kaleidoscope, Multiweave, Pattern Generator** for automatic generation of new design ideas

★ **Weave 3D, Drape 3D and Auto-drape** all included for fast 3D visualisation of your design

★ **Export Designs** as TIFF, BMP, JPEG etc. to allow non-ScotWeave users to view design images

★ **Production data** can be printed (loomcard) or sent directly to electronic dobby looms

For the latest information visit our website at www.ScotWeave.com

ScotWeave

ScotWeave is the most **comprehensive CAD-CAM tool** for woven textile design currently available. Using an intuitive visual design approach ScotWeave is simple to use, quick to learn, and produces stunning results on screen, on printer and direct to loom. ScotWeave software runs under all current versions of **Microsoft Windows®**, uses industry standard computer hardware, and any Windows®-compatible colour printer, scanner or other hardware.

Jacquard Designer

ScotWeave **Jacquard Designer** provides the complete solution for jacquard design - from artwork, through weave selection and editing, to the creation of loom disks or card cutting data. Jacquard Designer uses the same design and operation principles as Dobby Designer - it is simple and fast to use yet extremely versatile and technically accurate.

Terry Towel

ScotWeave **Terry Towel Designer** provides the ultimate CADCAM solution for the design and manufacture of terry towelling fabrics. This is a dedicated program built upon the proven methods devised for ScotWeave Jacquard Designer but with additional features and optimisation for the special requirements of terry towel design.

Includes detailed loop simulations and easy input for **3-pick and 7-pick terry fabrics**. Full control of electronic jacquard loom functions is available with the option to input weft density, pile height and weaving speed loom data at the design creation stage, while all elements of the design are visible.
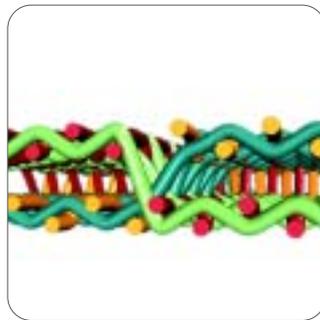
Velvet Designer

ScotWeave **Velvet Designer** products provide the complete solution for face to face woven velvet fabric design with colour pattern layouts on screen and colour printout simulations, including "cut out" designs and full production specifications.

Dobby Velvet Designer has multi-beam, multi-tension yarn capabilities. A cross-sectional view allows easy creation of pile travel, or draw the fabric motif required and let ScotWeave generate the peg/chain plan. Use **Jacquard Velvet Designer** to create velvet jacquard fabrics from artwork to loom disk. Includes full weave editing (hole finding) features.

Drape

ScotWeave **Drape** is a three-dimensional visualization tool that allows you to see ScotWeave fabrics realistically draped over images of garments and other real-life objects. The fabrics will follow the contours of the 3D objects and also take on the shading of the base image.

Combined with the ScotWeave **Presentation Program** storyboard layout, it is the ideal way to show customers simulated swatches of fabrics and how they would appear in real life.

Technical Weaver

ScotWeave **Technical Weaver** is a special version of our Dobby and Jacquard Designer software that has been tailored to meet the exacting requirements of technical fabric producers. Technical Weaver offers a complete CADCAM solution for creating all types of dobby and jacquard fabrics where structure and performance is vital.

Fabricator

Fabricator for dobby fabrics, analyses woven fabric samples and produces the construction details, including warp and weft colour patterns, thread density and even suggests a weave structure. This data can be output as a production specification. Fabricator is available as an add-on for Dobby Designer or as a standalone product.

Software Support

Software support is a high priority at ScotWeave and we believe our support is second to none. All ScotWeave software products are fully supported (i.e. we can add new features, change existing features and provide full problem solving and bug fixing). For details visit **www.scotweave.com/customer.html**

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