



ScotWeave **Jacquard Designer** is a complete CAD-CAM software package for creating all types of jacquard fabrics, from single cloth fabrics to complex multi-layered tapestry cloths. Designs are created and simulated on screen, can be printed, and production data sent directly to a jacquard loom or card cutter.

Artwork Designer

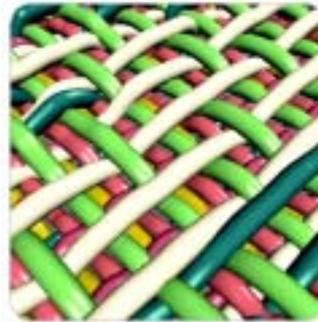
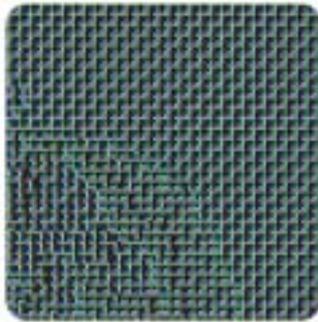
Artwork images are created and scaled for jacquard design using ScotWeave **Artwork Designer**. Images can be created freehand, scanned in and edited, or imported from any other image creation software. Independent X-Y scaling compensates for different warp and weft fabric settings and allows the image to be edited in correct proportions. Work in repeat, work across the repeat joins; add edge locking and extra weft (cramming) colours.

Yarns & Patterns

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 Jacquard 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.

Base Weaves

Jacquard Base Weave Designer is used to create base (component) weaves for jacquard and uses the ScotWeave unique layered approach to aid in the design of complex structures. The screen shows the face weave, back weave, and resulting total weave in separate windows and each can be worked upon separately. In addition to this, up to 16 separate warp and 16 separate weft sequence layers can be viewed and worked upon individually (e.g. stitching layers).



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. A “macro” feature allows you to create a save user assignments of weaves to colours to speed up design creation.

Fabric Views

Weave 3D allows you to view the fabric structure as a real 3D image and to 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 visualise your design in a real setting.

Weave Editing

Base weaves are assigned to individual artwork colours to create a jacquard weave up to 32,000 ends by 32,000 picks. The weave can be displayed with colour coded markers to help identify the different lifts and the direction of threads, in fabric from using actual yarns colours, in shaded artwork colours to highlight where weaves meet, and in simple lift format. Advanced float checking and breaking options are available to “intelligently” break floats between specified weaves as well as floats in the entire weave structure. A new option to “cut” floats on the fabric surface is available to simulate this type of effect. You can also graphically display the total warp lift and weave intersections to show areas with potential weaving problems.

Special features

- ★ **Kaleidoscope & Pattern Generator** for automatic pattern creation
- ★ **Full float check and break** with “smart” float breaking facility
- ★ **Weave 3D, Drape 3D and Auto Drape** all included for fast 3D visualisation of your design
- ★ Supports **extra weft figuring, variable weft density** and variable **weaving speed**
- ★ **Import weave** from standard image files (TIFF, BMP etc.)
- ★ **Export design or weave** as standard image file (TIFF, BMP)
- ★ Direct output to control **electronic jacquards** (Staubli, Bonas, Grosse) up to 32,000 hooks
- ★ **Convert** easily between different electronic jacquard formats





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.

Dobby Designer

ScotWeave **Dobby Designer** provides the complete solution for doobby design - from warp/weft pattern creation, through draft, peg plan and weave construction to printed loomcard or direct loom control. Dobby Designer uses the same design and operation principles as Jacquard Designer - it is simple and fast to use yet extremely versatile and technically accurate.

Terry Towel

ScotWeave **Terry Towel Designer** provides the ultimate CAD/CAM 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

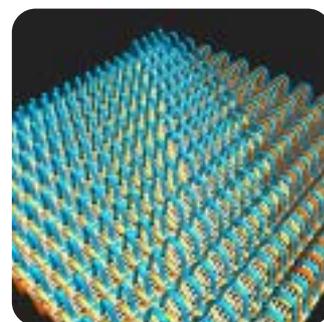
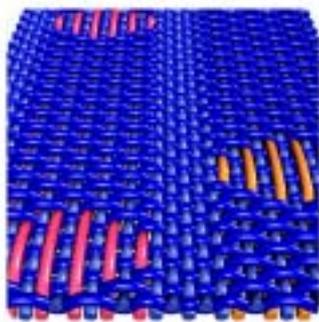
ScotWeave **Velvet Designer** products provide the complete solution for face to face woven velvet fabric design with colour pattern layouts on screen and colour printout simulations, including "cut out" designs and full production specifications.

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

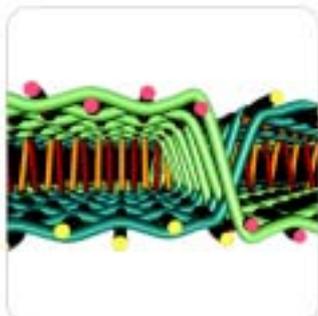
ScotWeave **Technical Weaver** is a special version of our Dobby and Jacquard Designer software that has been tailored to meet the exacting requirements of technical fabric producers. Technical Weaver offers a complete CAD/CAM solution for creating all types of doobby and jacquard fabrics where structure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

Fabricator

Fabricator for doobby 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 has 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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