



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

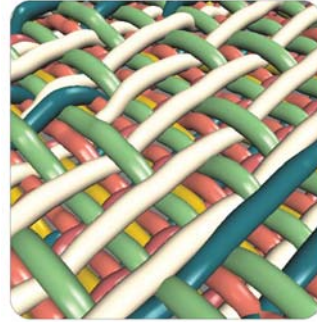
Artwork images are created and scaled for jacquard design using ScotWeave **Artwork Designer**. Images can be created freehand, scanned in and edited, or imported from any other image creation software. Independent X-Y scaling compensates for different warp and weft fabric settings and allows the image 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. ScotWeave uses real yarn data and can dynamically calculate fabric cost per square metre as you work. Fast creation of warp/weft patterns has always been a priority in Jacquard Designer, and with ergonomics in mind 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 separate warp and 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.

## Fabric Views

A selection of 3D viewing tools allows 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. A range of fabric finishing effects, milled, raised or softening effect, can be applied. **Weave 3D** allows you to view the fabric structure as a real 3D image and to move around the structure in real-time. **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

By assigning base weaves to individual artwork colours the total jacquard weave is generated. Once created there is a wide range of options for editing the total weave. 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.

## 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** and **variable weft density**
- ★ **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) including 12000+ hooks
- ★ **Convert** 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.

### Jacquard Designer

ScotWeave Jacquard Designer is extremely versatile in its approach to design creation and in its capabilities. It can be used to create virtually any type of jacquard fabric and has applications in menswear, ladieswear, upholstery, accessories, automotive fabrics and even technical fabric design. The ease of use and advanced **Weave 3D** feature (which allows you to move around a weave structure) also make it very useful for educational purposes.

The correct application of ScotWeave Jacquard Designer will reduce design time, reduce sampling time, increase design output and increase productivity by eliminating construction errors. With an electronic jacquard loom you can go from design concept to woven fabric in minutes.

### 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.

### Velvet Designer

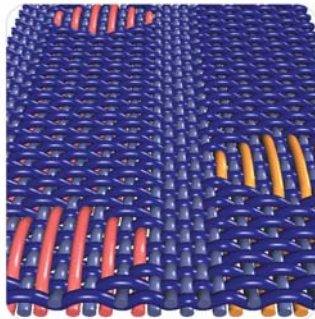
ScotWeave **Velvet Designer** products provide the complete solution for face to face woven velvet fabric design with colour pattern layouts on screen and colour printout simulations, including "cut out" designs and full production specifications.

**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.



### ScotCom

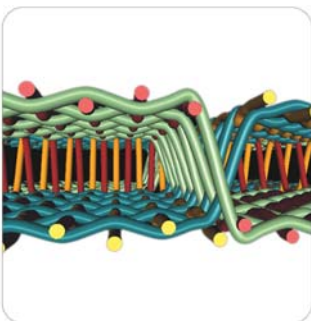
The ScotWeave **ScotCom** product offers a range of Internet solutions, which allow you to communicate design data over the web. You can create databases of design collections on the web for the sole use of your sales agents or customers or simply use the web as a quick and low-cost method of transferring design data between different sites.

### Presentation

An ideal compliment to ScotWeave Jacquard is the separate ScotWeave **Presentation Program** for storyboard layouts. This program allows you to create "storyboard" layouts from any ScotWeave image element (e.g. doobby, jacquard design, draped image), to position these as required, and to add text and background effects to create effective presentations on screen and on a colour printout.

### Software Support

Software support has a high priority at ScotCad Textiles 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](http://www.scotweave.com/customer.html)



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