Weaver’s delight, a comprehensive tool kit for the technically discerning and a very simple and powerful CAD system for the visualiser or weaving novice. Design Dobby handles weaves, yarns, patterns and construction parameters to instantly simulate realistic fabric on screen. Further it allows you immense flexibility to alter, try ‘what if’ scenarios in enhancing the concept you initiated.

**Yarn Development and Management**

Designed for the ease of use and strong facilities, the yarn development module creates all types of yarns such as - dyed, fancy, melange, slubs, loop, taspa, etc: or combination of different fancy effects.

Different type of fibres, twist per inch and direction can be specified to ensure ideal simulation environment. Simple color controls to research the ideal match and also standard color palettes are accessible. The developed yarns can be visualised in real time for evaluation and interactive changes. Also fabric effect of yarn developed can be simulated.

The yarn can finally be saved in an efficient yarn management library for easy retrieval and usage with count and cost parameters.

**Weave Creator**

Defining draft, peg plan can be done numerically or directly drawing on a point paper. Simple to use-cut, copy, paste, mirror tools etc. are supported.

Weave book manages library of weaves and provides controls for creating complex weave structures by combining weaves.

Advanced auto weave generation facility provides for creation of different design effects within the same draft order while changing the lifting plan. Auto weave insertion facility available is for integrating dobby effects directly onto a design in ornamentation or extra warp mode.

**Design Creation**

Design patterns can be numerically specified in industry standard format. Click and drag to directly draw desired patterns scale them online. Weft pattern is adjusted automatically considering the EPI/PPI aspect ratio.

Drag and drop operation to specify warp and weft yarns. Simple and graphical user interface enables you to easily access all designing control and design creation seems a song.

Realistic fabric simulation is generated instantly combining weaves, design patterns, yarns count and construction parameters defined.

Simulation window can be expanded to develop 8 matchings for comparative evaluation. Advanced facility is provided to generate matchings automatically.
**Auto Design Generator**

Powerful features are designed to automatically create patterns based on your selected design, and parameters to auto generate an infinite number of design variations instantly. This enables you to respond to customer requirements in no time enhancing bookings. The yarn percentages can be specified enabling Auto generation to be used for exhausting yarn dead stock.

Controls such as size of design, stripe width range, percentage usage of yarns, pattern styles contribute to innumerable design generation.

**Auto Color Matching**

Design Dobby allows you the liberty of choosing the apt set of color ways for a design under development. It takes into account your current yarn library, so that you what is created can be manufactured with yarns available in house.

**Color Swapping**

A yet another tool which allows you to generate options by way of switching the order of yarns being used in the warp and weft. It keeps intact the well thought out color scheme and generates innumerable options for you to select from.

**Output**

Finally Design Dobby generates:

- A detailed weaving instruction plan along with weight and cost calculations
- Selvedge balance facility is provided to ensure that the design is balanced on both selvedge sides.
- A single, multi design, multi matching simulation is printed with true to life realism. Facility to print patterns and color palette augments the utility of the CAD system. simulation effects are further enhanced with the plinking effects of the printouts
- Many more facilities are provided to enhance the presentations.

**Contact us at:**

Textronics Design Systems (I) Pvt. Ltd.
120, Hindustan Kohinoor Ind. Complex, LBS Marg, Vikhroli (W), Mumbai-400 083, India.
Tel.: 91-22-25772914 / 25775519 / 25785881.
Fax: 91-22-25772914.
E-mail: textronic@vsnl.in, textronic@vsnl.com www.textronic.com

Textronics is devoted to continuous development of CAD technology for the textile industry.

A competent technical support team and a development team ensures that your needs are catered to well in time and to your satisfaction.