

yourchoice
SHIMA SEIKI

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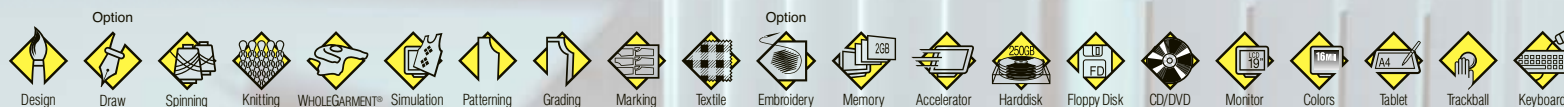
SDS ONE
Apparel Design Workstation



Drawing from years of experience and know-how as a world leader in fashion technology, Shima Seiki has created a design workstation that goes far beyond the simple patterning and programming available from the competition. With powerful proprietary hardware and industry-specific software developed in-house, no other design system even comes close to SDS® ONE.

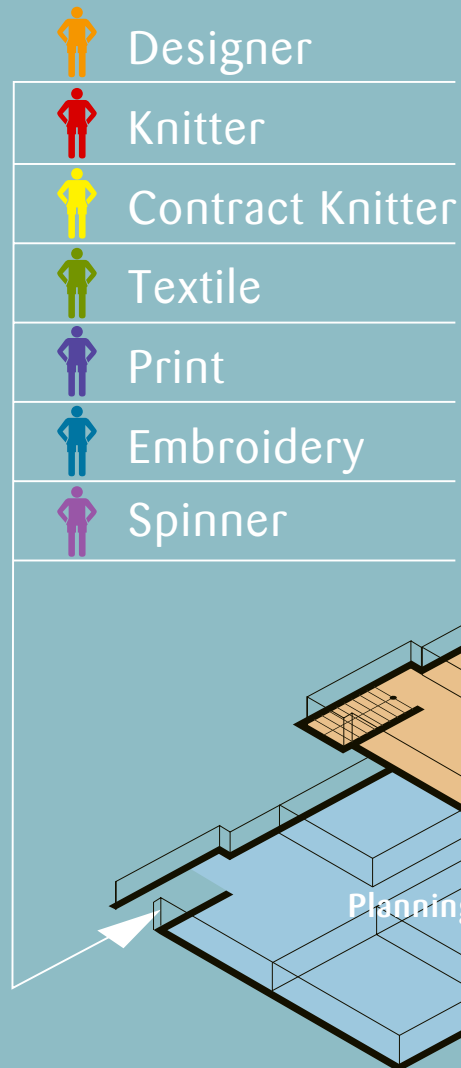
All-in-One

All-in-One



Supporting All Your Apparel Design Needs...and More

SDS®-ONE is an All-in-One design system featuring everything you need to create high-quality products with high fashion appeal. With complete support of various stages within the apparel supply chain, SDS®-ONE realizes a more smooth and efficient production workflow like never before.



Posters, Catalogues and POP Material
Visual Merchandising
Web Graphics

Knitting
Printing
Cutting
Weaving
Embroidery

Yarn design
Loop simulation
Mapping

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Planning

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KnitCAD®
Loop Edit
Yarn Carrier Setting
Package Software
Auto Software

Patternmaking
Grading
Marking

Colorways
Design Database
Source Images
Filters
Repeats
Textile
Embroidery

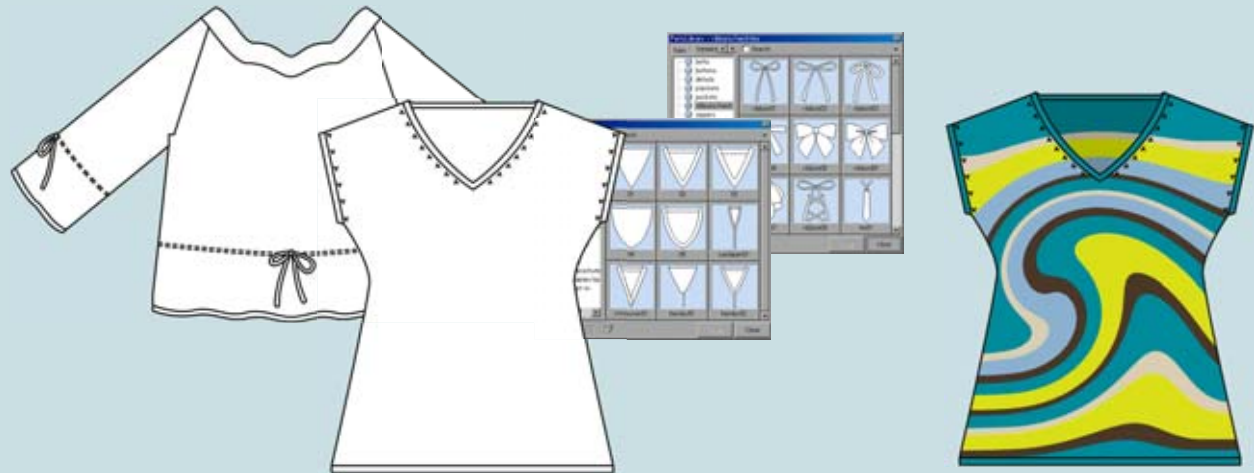
Fashion Drawing
Color Concepts
Fashion Illustrations
Spec Sheets





Fashion Drawing

A full selection of brush types (airbrush, chalk, etc.), and a color palette of over 16 million colors are at your disposal.



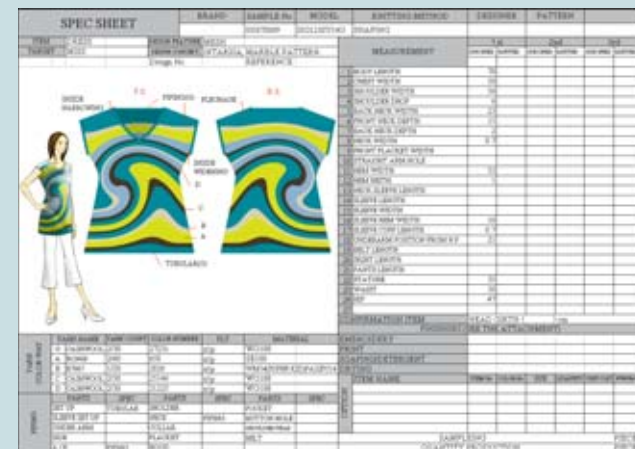
Fashion Illustrations

The Draw program is used for creating fashion illustrations.



Color Concepts

Color trend information can be organized into color palettes for creating color concepts.



Specification Sheets

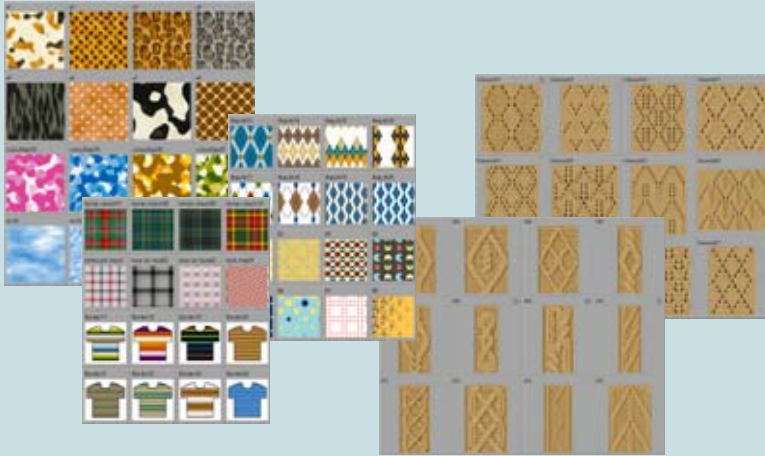
Designs can be imported into spreadsheets for creating spec sheets.



Colorways

A special colorway menu allows quick evaluation of various color combinations using realistic knit and weave textures. It also features a licensed Pantone color database for accurate color communication.

Design
Design



Design Database

Various databases of useful patterns and structures are available. Patterns can be created easily by combining and editing these data.

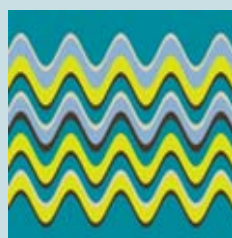


Repeats

Using the Automatic Pattern Repeat function, both normal and stepped repeats can be performed with controlled precision.

Textile

Textile software can be used to create various patterns such as check, dobby and double weave. A plentiful database of patterns is also available. Realistically woven images can be simulated as well.



Source Images

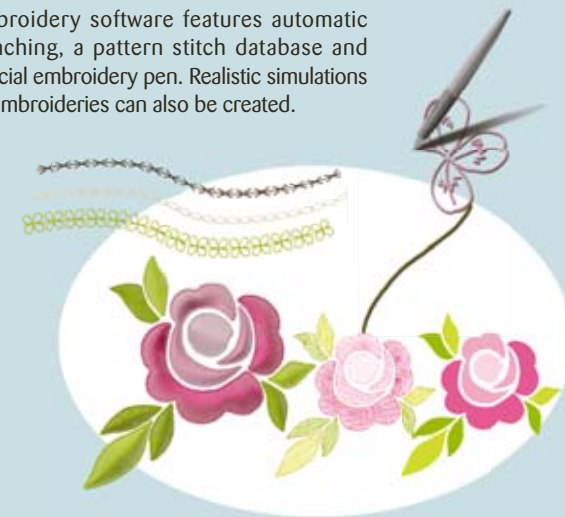
An impressive variety of designs are available for any fashion application.

Effect Filters

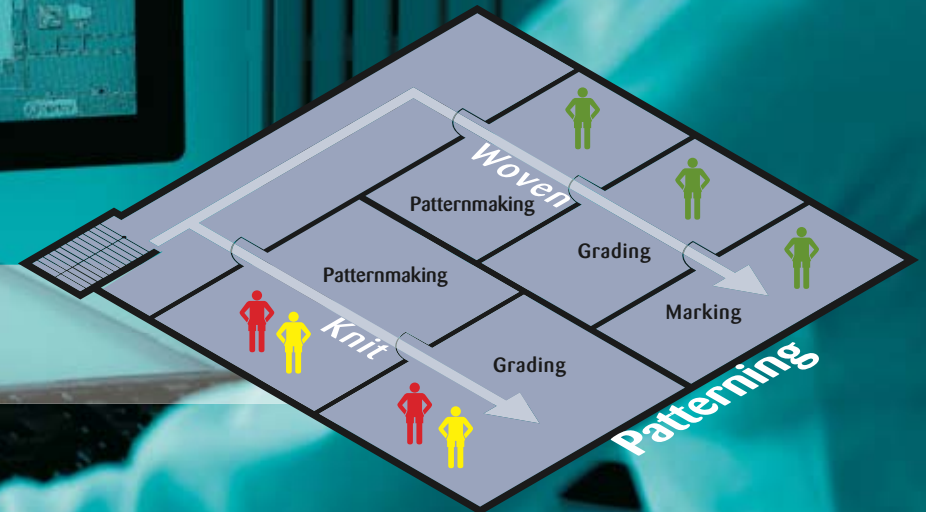
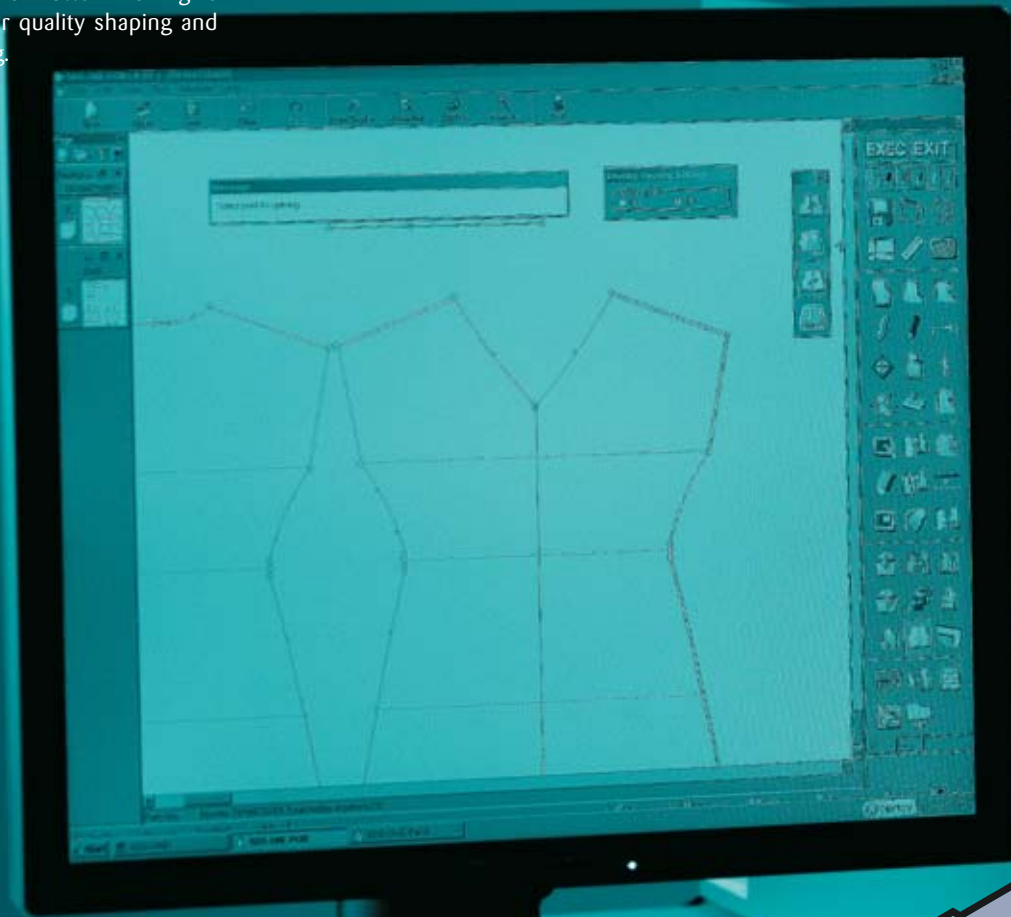
A collection of filters can be applied to images for deforming or creating interesting special effects.

Embroidery

Embroidery software features automatic punching, a pattern stitch database and special embroidery pen. Realistic simulations of embroideries can also be created.



SDS®-ONE also functions as a full-featured apparel CAD system, with comprehensive patternmaking, grading and marking (PGM) functions for creating and fine-tuning patterns for all apparel applications. Patternmaking is especially important for quality shaping and WHOLEGARMENT® knitting.

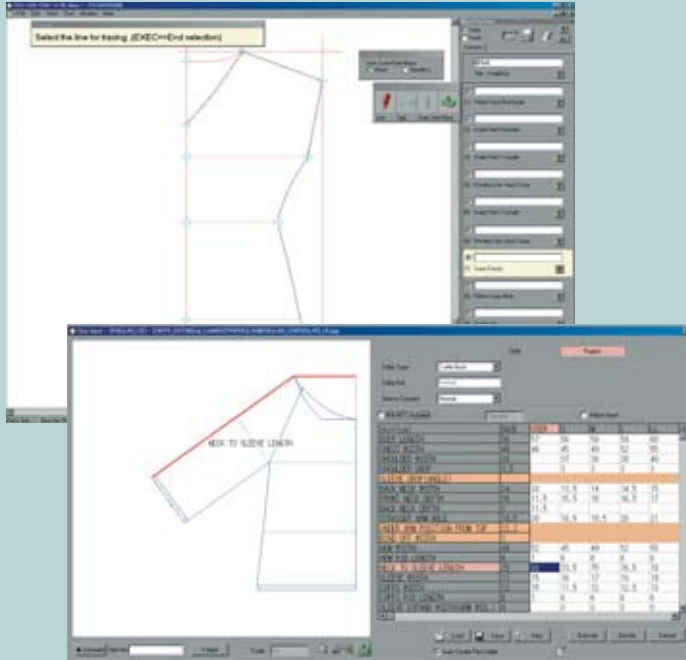


Patterning

Patterning

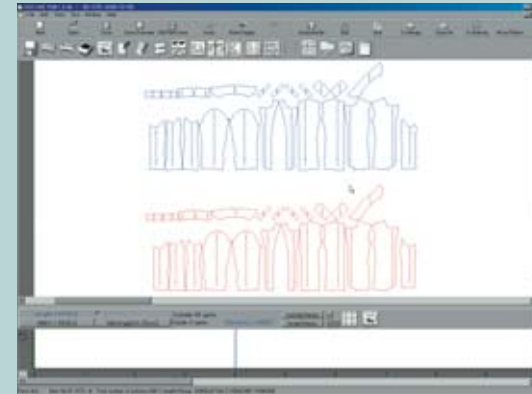
Patternmaking

With SDS®-ONE's patternmaking software, high-quality patterns can be created easily. Comprehensive drawing and editing functions allow detailed control approaching that of manual patternmaking.



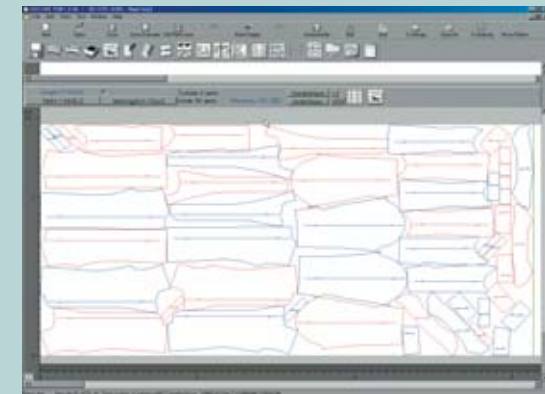
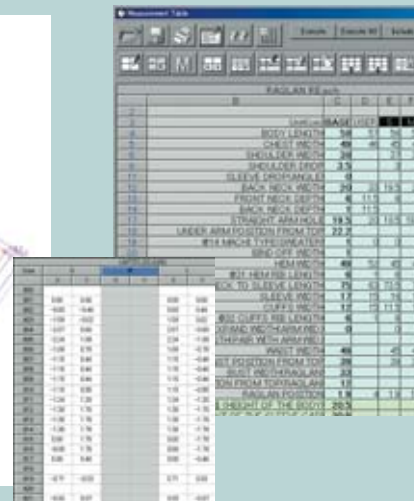
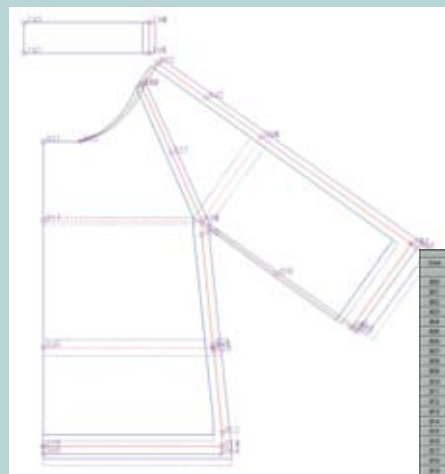
Marking

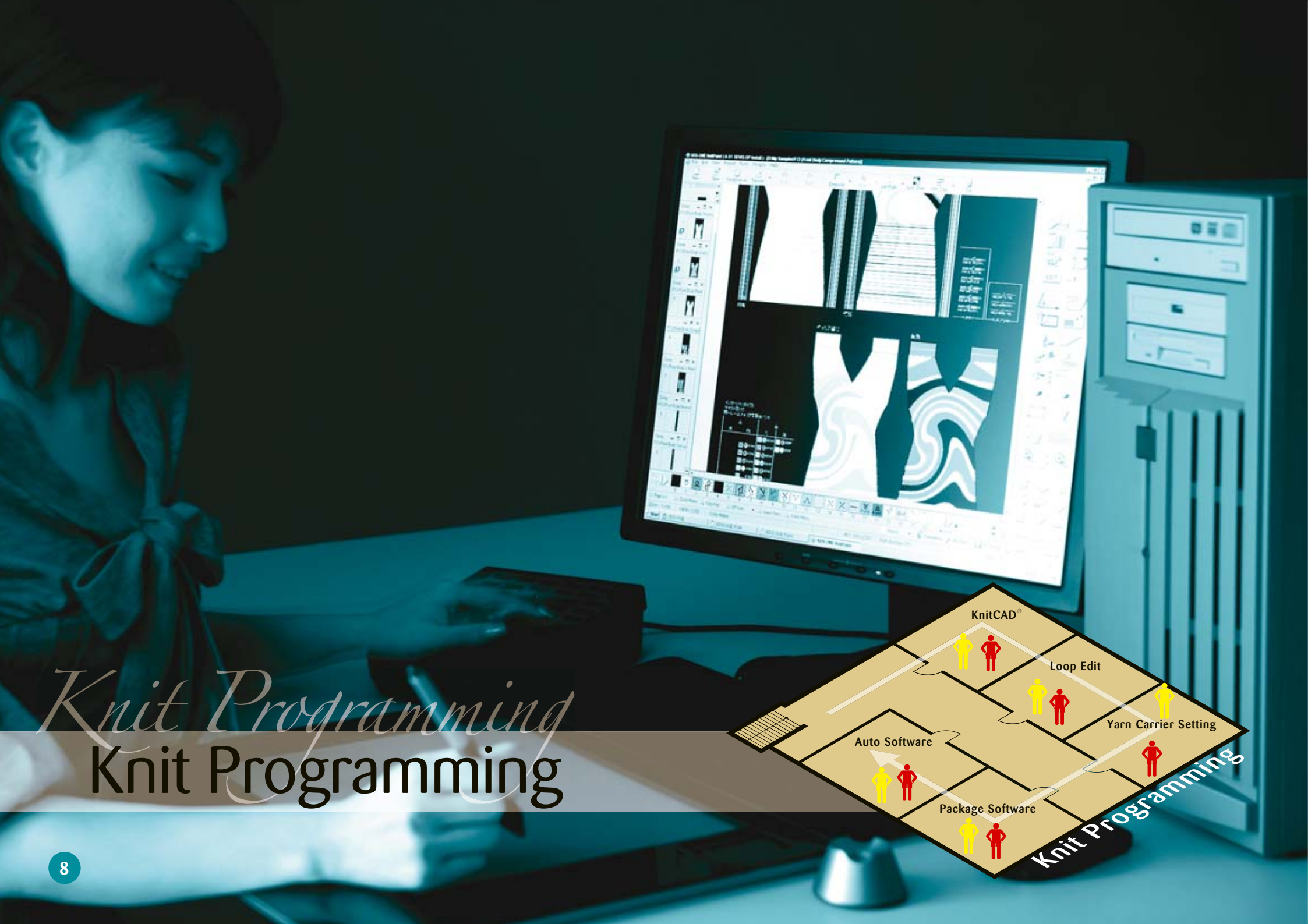
In addition to manual marking, SDS®-ONE's marking software features ultra-high speed automatic marking for instant creation of markers. The software is also capable of creating markers in sequence, allowing fully automated marking of multiple jobs overnight.



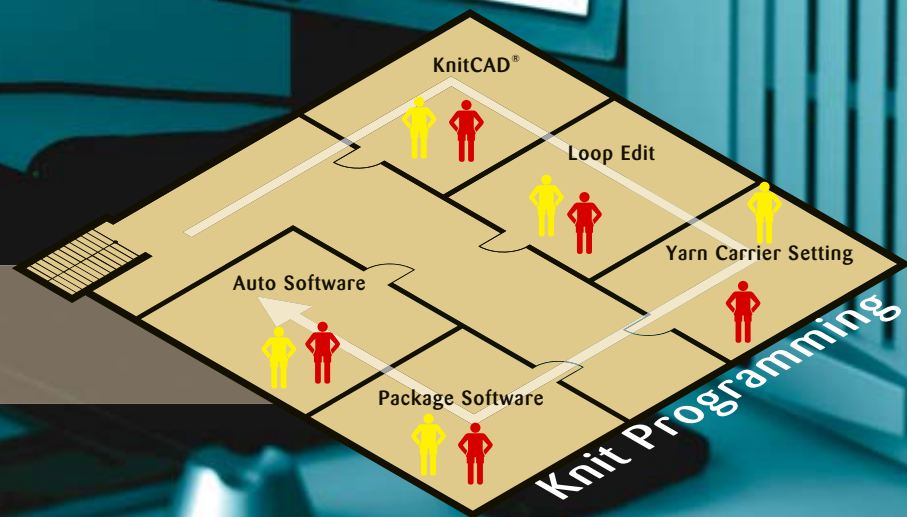
Grading

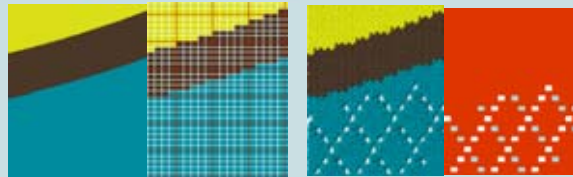
Correct sizing of products can be achieved with grading software. Users can choose between pitch-formula and rule-formula grading. With such high-quality grading features as line-check and automatic pitch calculation, optimum grading pitch can be worked out for each product size.





Knit Programming Knit Programming





KnitCAD®

KnitCAD® software features automatic programming based on conversion of patterns to number of loops. SDS®-ONE also supports fashioning frequency input.

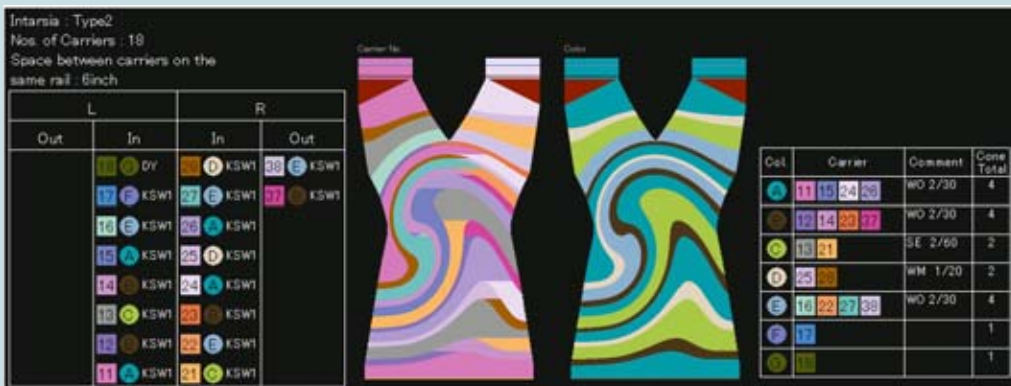
Loop Edit

Structure patterns can be selected from an abundant database for visual confirmation on-screen. Knitting data is automatically created simultaneously.



Package Software

SDS®-ONE's Package database is a collection of Shima Seiki know-how that allows graphics-based programming. Its potential is maximized especially in 3D applications such as WHOLEGARMENT®.



Automatic Yarn Carrier Setting

Basic knitting types and colors are set. Yarn carriers are automatically allocated as well.

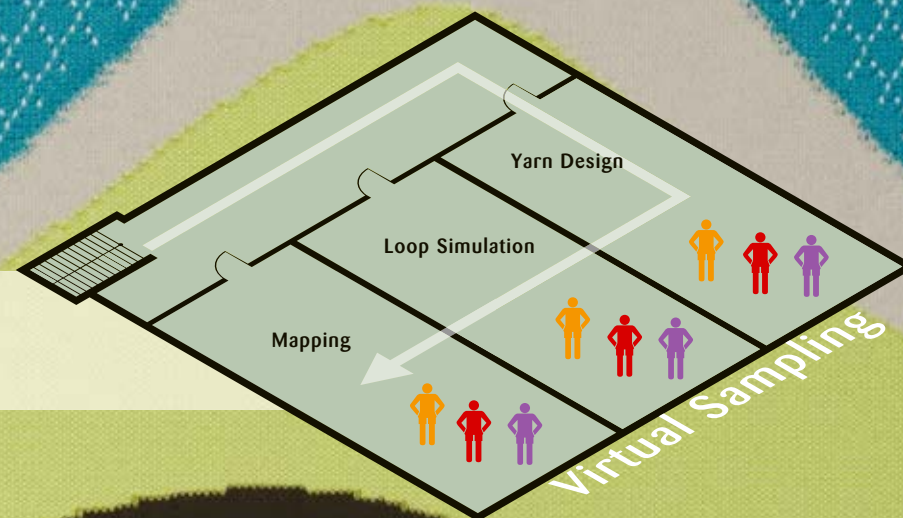


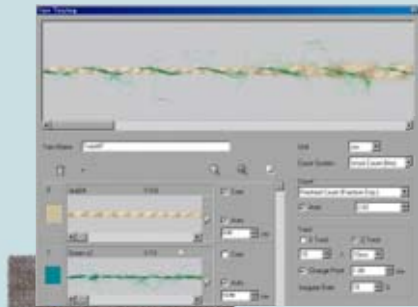
Auto Software

Automatic Processing software creates machine data automatically.

Super Realistic loop simulation allows quick evaluation and presentation of virtual knitwear without sample-making. Since virtual sampling data is based on actual programming data, once approved, the design can go to production immediately.

Virtual Sampling Virtual Sampling





Yarn Design

From designing original yarns from scratch, to arranging existing yarns that are scanned-in and simulating the twisting of several yarns together, virtually spun yarns can be used in realistic loop simulation to create convincing fabric textures.



WHOLEGARMENT® Loop Simulation

Intarsia Loop Simulation



Mapping

Loop simulation images are mapped onto photos of existing samples for a realistic representation of how the final product will look. These images can be used for presentations as well as for visual merchandising (VMD).

Glove Loop Simulation

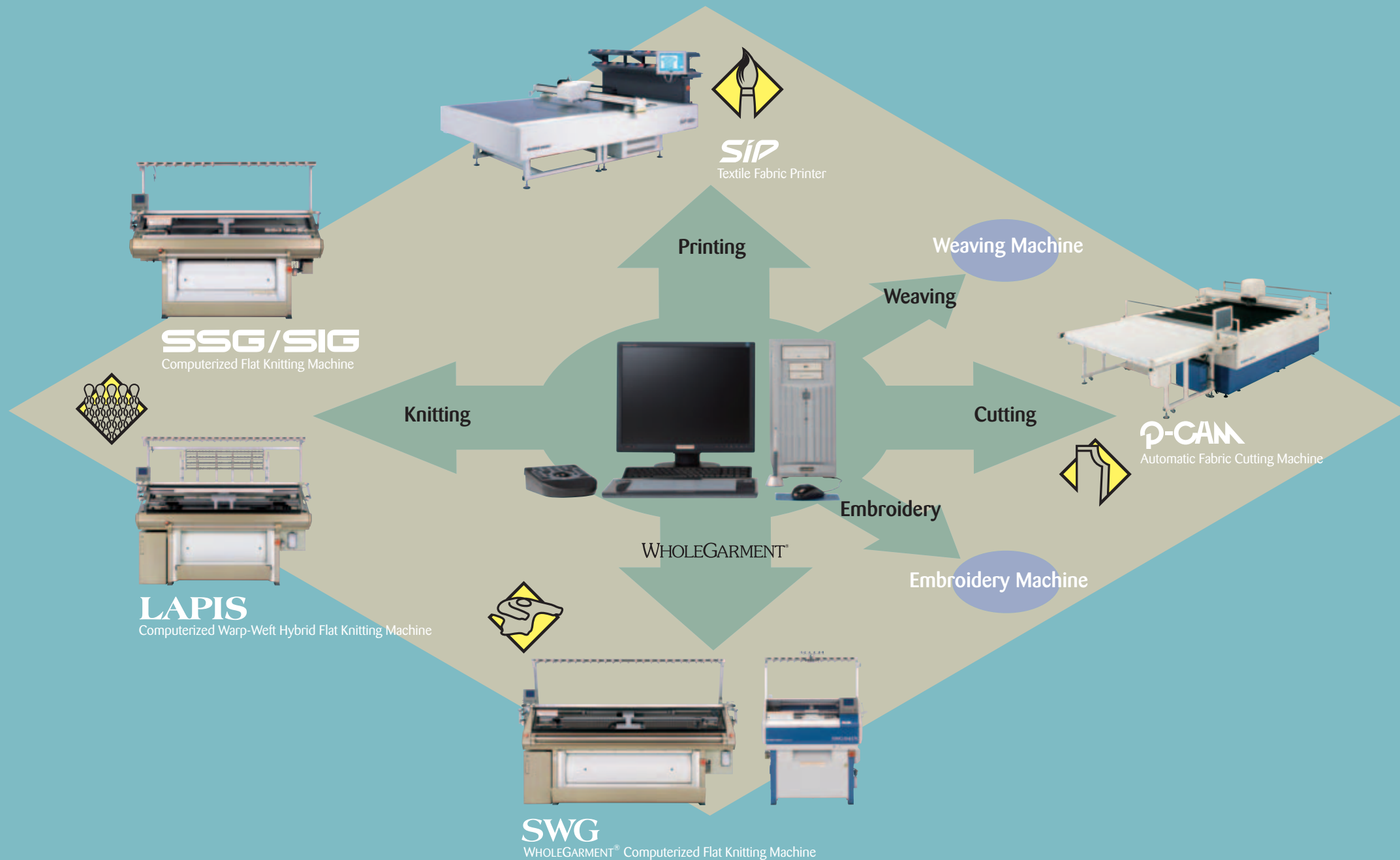


Sock Loop Simulation

Data created on SDS[®]-ONE is sent to various machinery for production. Shima Seiki's product lineup includes state-of-the-art computerized knitting machines, fabric cutting machines and textile printers.

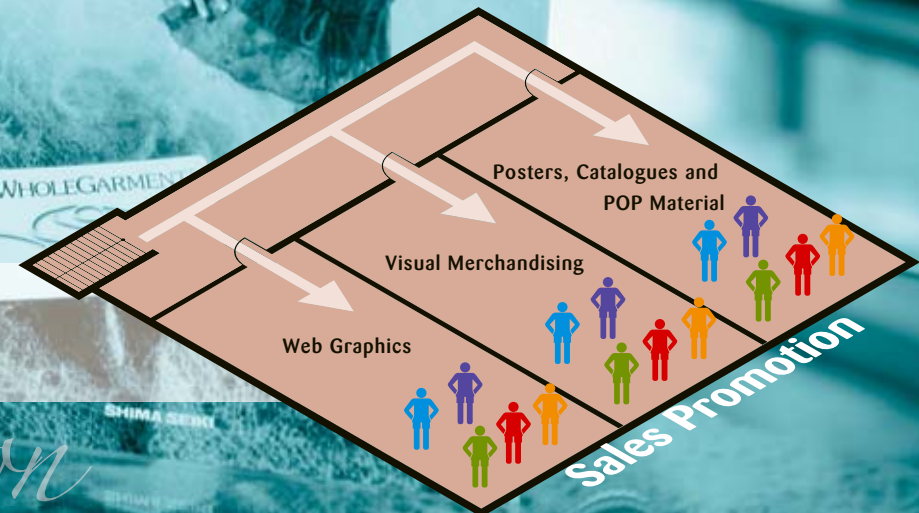
Production Production





Reach the Consumer

SDS®-ONE's powerful graphics capability can be used for various promotional items at the retail level, such as point-of-purchase (POP) displays. Such items offer a very effective means for reaching the consumer with any special message you may have concerning a garment or collection.



Sales Promotion

Sales Promotion



Posters, Catalogues and POP Material

High-resolution graphics support large-format printing of posters, as well as high-quality printing of buyer's catalogues and point-of-purchase displays.

Visual Merchandising (VMD)

SDS®-ONE can be used for visual merchandising by simulating store displays.

Web Graphics

Our SSS120 screen system works together with SDS®-ONE to automatically photograph, cut-out and rotate mannequin samples to create animations for online shopping applications.





User-Friendly Interface

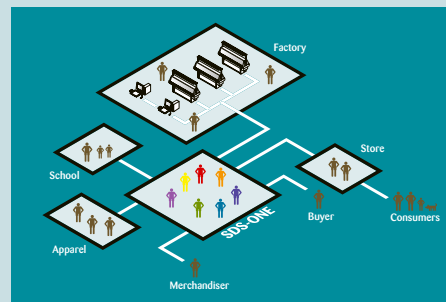
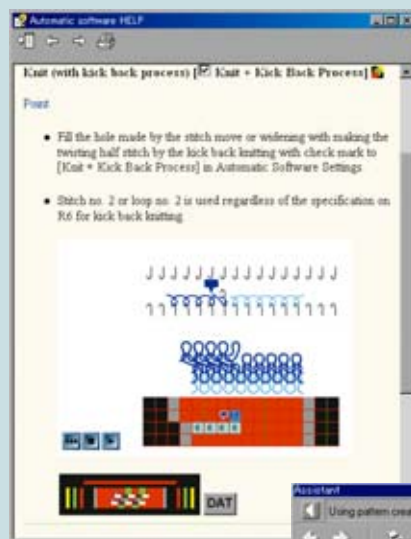
SDS®-ONE continues with Shima Seiki's familiar interface consisting of a pressure-sensitive cordless pen and digitizer tablet as well as a trackball unit with duplicate keys for often-used functions. This user-friendly setup allows the simultaneous use of both hands for maximum productivity.

More reasons to choose SDS-ONE
More reasons to choose SDS-ONE



Easy Operation

The Work Menu features pre-registered workflow sequences for often used functions, which users can customize on an individual basis. Should the need arise, Online Help is available as a reference aid. The Assistant menu also features easy step-by-step tutorials for several key functions. SDS®-ONE is designed to let anyone—beginners and professionals alike—take full advantage of cutting-edge Shima Seiki computer graphic technology.



Networking

As a communication tool, SDS®-ONE ties together various areas of the apparel industry for real-time communication throughout the supply chain. What used to take days for presentations can now be confirmed in minutes. Quick-response production is also possible, even at remote factory locations around the globe.



Color management

With an on-board color management system and Eye-One color calibrator, SDS®-ONE can match scanned-in data to display monitor and printer output for accurate evaluations.

After-Sales Support

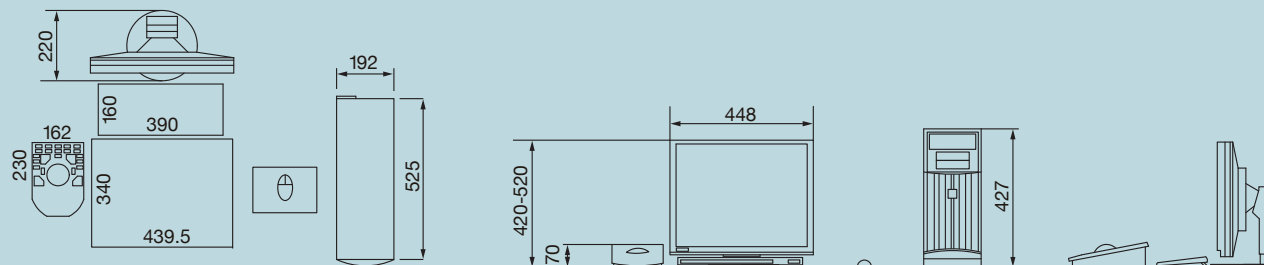
Software updates are provided free of charge, so the latest version is always available for use. SDS®-ONE also contains a fool-proof system which provides automatic backup of work data in case of system hang-up. Should more serious trouble occur, our worldwide technical support network provides professional service and parts inventory for hassle-free repairs.

A Proven Product

SDS®-ONE is in actual use at Shima Seiki's Total Design Center as part of its day-to-day operations. By using our own systems in the same way our customers do, we are better able to gather know-how, understand customer feedback and anticipate potential problems, which are key factors for improving products in the future.



DIMENSIONS



All dimensions are in millimeters.

SPECIFICATIONS

MODEL		SDS®-ONE RD2	SDS®-ONE RD2 (P)
Standard Software	Design	○	—
	Draw	Option	Option
	Spinning	○	—
	KnitPaint	○	—
	Automatic Software	○	—
	Simulation	○	—
	Patternmaking	○	○
	Grading	○	○
	Marking	○	○
	Textile	○	—
	Embroidery	Option	—
	Pantone Color	○	—
	Color Management	○	—
Host	Operating System	Microsoft Windows Vista Business 32bit For Embedded Systems	
	Processor	Intel Core 2 Duo E6850 (3GHz)	
	Main Memory (RAM)	2GB	1GB
	Hard Disk	500GB	
	Media Drives	3.5-inch floppy disk: 1.2MB / 1.44MB	
		DVD Super Multi Drive	
	Interface	10 / 100 / 1000 Base-T Ethernet	
		USB2.0x11(Front 1port,Rear 10port)	
	Accelerator	○	—
Operation	User Interface	Menu-interactive	
	Tablet	A4 size (USB) + cordless pressure-sensitive pen	
	Trackball Unit	Single trackball with function buttons (USB)	
	Keyboard	English keyboard (USB)	
	Mouse	Optical mouse with scroll wheel (USB)	
Display	Display Type	20-inch full-color LCD display	
	Resolution	1,600 x 1,200 pixels 60Hz	
	Color	24-bit full-color (16,777,216 colors) Adobe RGB support	
Miscellaneous	Main Unit Size	W192mm (7.5") × D525mm (20.6") × H427mm (16.8")	
	Main Unit Weight	17.3kg (38.2lbs.)	
	Power	AC100-127V / 9A	AC200-240V / 4.5A 50 / 60Hz
Accessories	Eye-One Color measuring device, Color-checker chart	○	—
	Pantone Color Guide for Fashion and Home	○	—

ISO9001 certification Shima Seiki has received ISO9001 certification for the design, manufacturing and service of its design systems.

Apparel Design Workstation

your choice
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SAFETY NOTICE In order to ensure safe operation of the equipment, please review all operation manuals carefully before use.

SDS-ONE RD2 Printed in Japan