



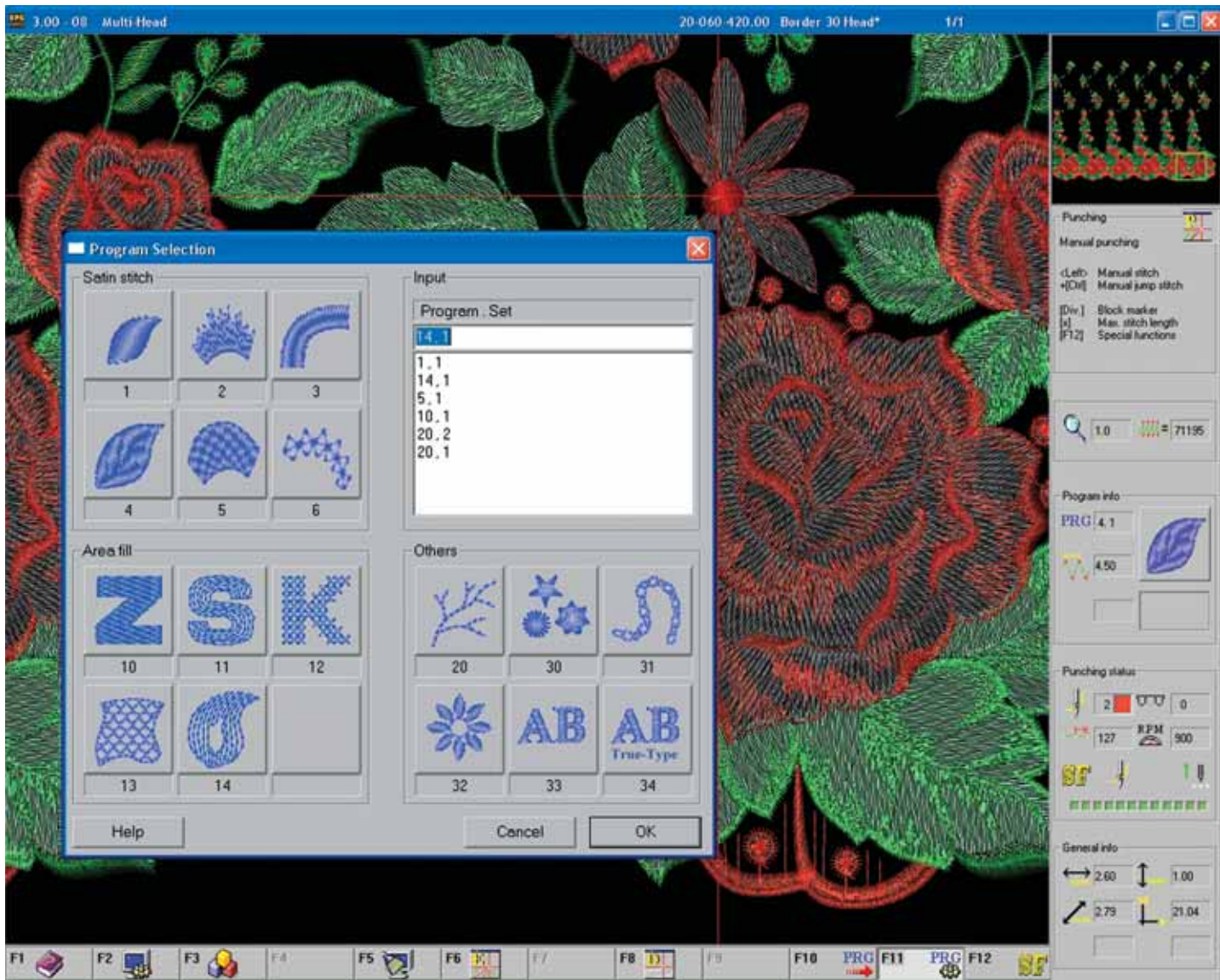
# THE CHAMPIONS LEAGUE IN EMBROIDERY

PROFESSIONAL MULTI-HEAD AND SHUTTLE  
EMBROIDERY SOFTWARE

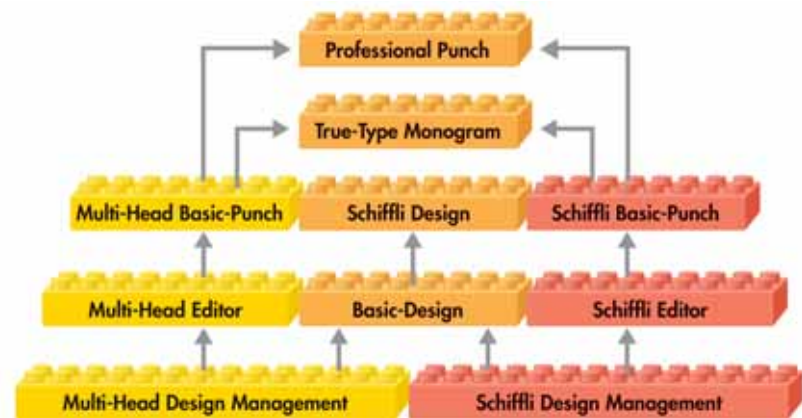
**EPC**<sub>WIN</sub>

THE HIGH-END SOFTWARE

# PROFESSIONAL WORKING LIKE NEVER BEFORE



## EPC<sub>WIN</sub> SOFTWARE-OPTIONS



Overview screen with current working position

At every stage of the work process, the assistant informs you of the available functions

Parameters for the selected design and punch programs

Current special function status of machine e.g. color selection, head selection, repeat change

Automatic scrolling when the cursor reaches the edge of the screen

Fully synchronized graphic data layers for image, drawing, reference and stitch data, can be switched on and off at any time

Distance and angle values

Working levels selected with function keys. To speed up work, all important functions are directly accessible via numerical pad on the keyboard.

The creation of embroidery design data for different embroidery processes still is one of the

greatest challenges in professional embroidery. In this area, the unique and modular software EPC<sub>WIN</sub> sets completely new standards regarding functionality and user friendliness.

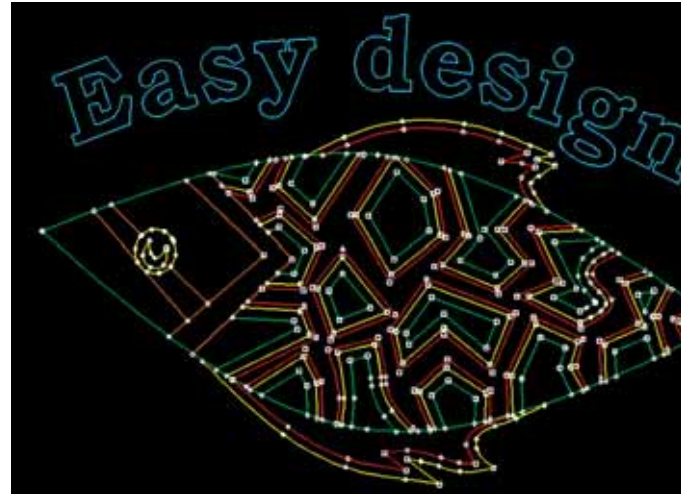
Whether badges, logos, appliqués, haute couture designs, table cloths, curtains, all-over or chemical lace embroidery is required, EPC<sub>WIN</sub> features all program steps ranging from designing, drawing and punching up to editing. The user is optimally supported and navigated through all work steps and can thus work quickly and efficiently.

EPC<sub>WIN</sub> is a joint development of ZSK – Germany’s leading manufacturer of embroidery machines – and GiS – specialist for embroidery software. You thus benefit from more than 20 years of experience and concentrated know-how.

**“EPC<sub>WIN</sub> is the high-end software for multi-head and Shuttle embroidery.”**

Michael Metzler, Head of Software Development ZSK





# BASIC DESIGN

## Imaging

EPCWIN is compatible with all conventional picture formats from a variety of sources, such as scanner, internet, ClipArt images etc. Useful functions are available to prepare an image. Scanned pictures can for example be merged to a complete image exactly and effectively.

## Drawing

Functions specifically developed for embroidery drawing allow contours to be created precisely irrespective of the image quality. Alternatively, vector files of other drawing programs (dxf, wmf, emf and ai format) can be imported.

Drawing exact contours is the basis of high-quality embroidered designs.

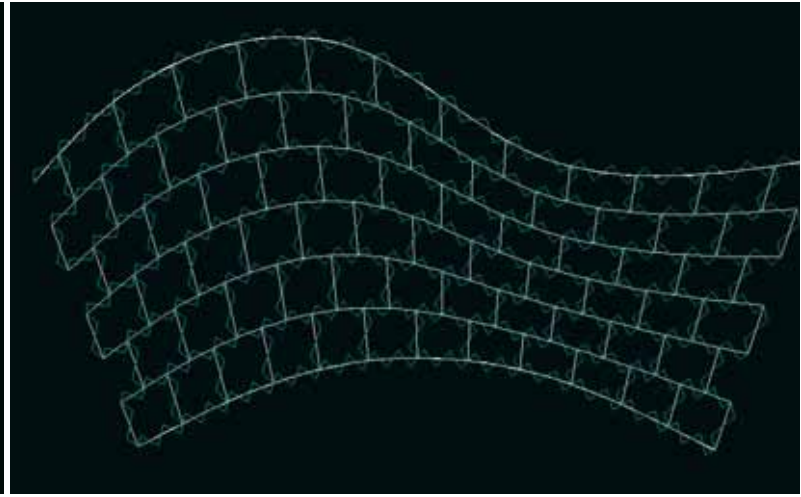
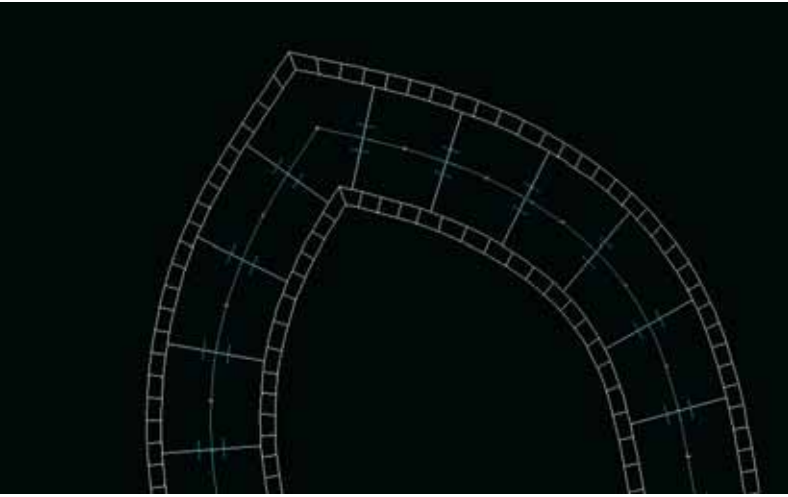


**“Thanks to EPCWIN  
our ideas can be  
realized quickly and  
perfectly.”**

Jürgen Steinmüller,  
Managing Director of  
ProFASHIONal Solutions by  
Steinmüller, Germany

### KEY DRAWING FUNCTIONS

- ▶ Free-form curves (splines)
- ▶ Parallels from free-form curves
- ▶ Geometric figures such as circle, ellipse etc.
- ▶ Determining stitch directions
- ▶ Free editing of all line reference points
- ▶ Easy selection of objects by surrounding with the cursor
- ▶ Editing selected objects by rotating, resizing, mirroring, copying and moving - graphically or numerically
- ▶ Special management options for saving and loading drawing elements
- ▶ Integrating TrueType fonts as contours for monograms
- ▶ Extensive auxiliary functions including grid, help lines, remarks etc.
- ▶ Automatic repeating based on head and needle selection

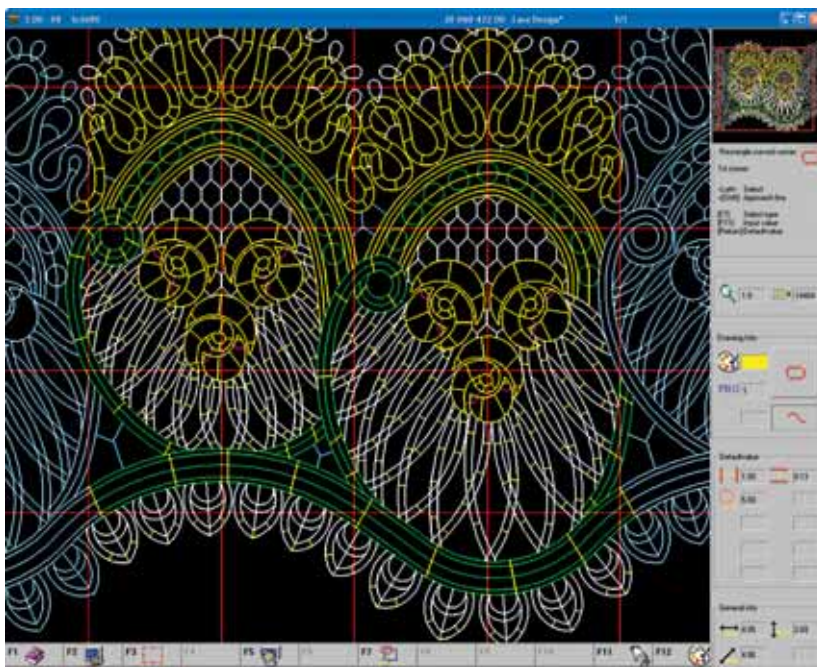


# SHUTTLE-DESIGN

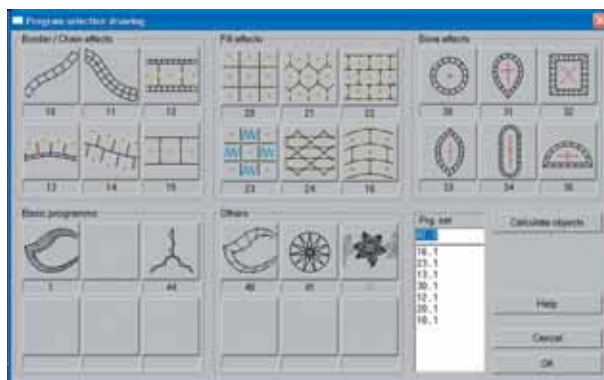
## Shuttle design for professional users

Various automatic programs for eg boring and chemical lace embroidery enormously reduce the time required for drawing.

- Basic Design
- Bohrstäffel
- Brick Ground

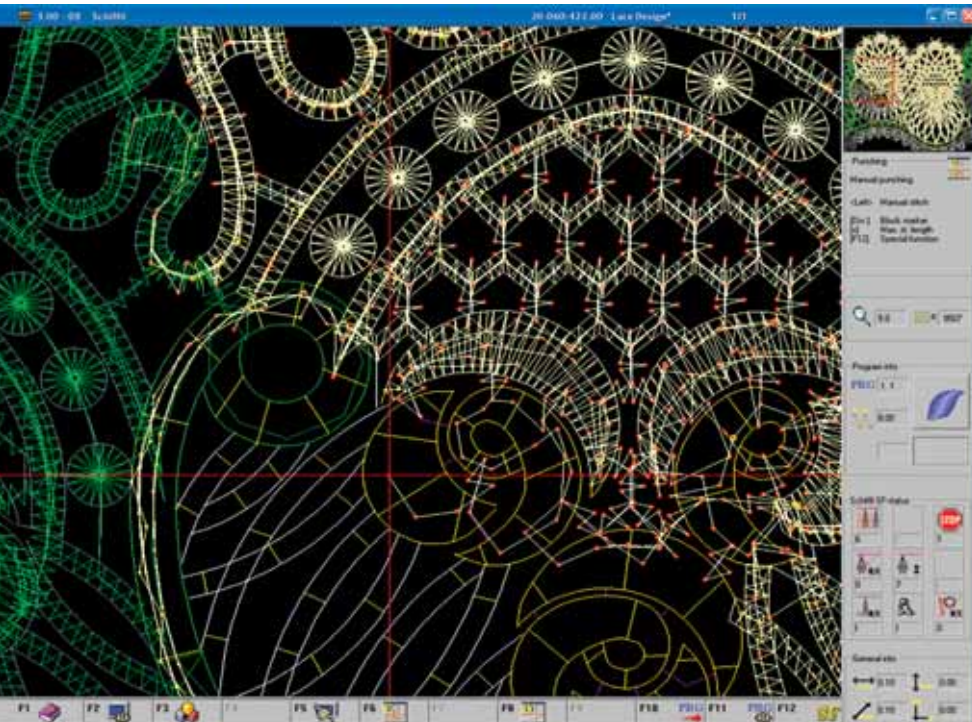
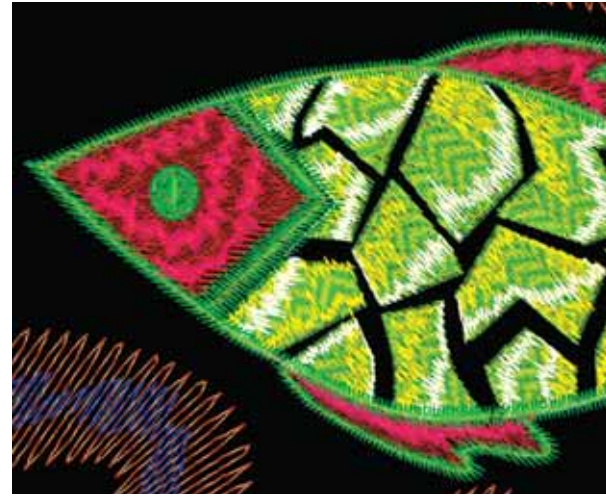


- View of repeat at the push of a button



- Automatic programs for many complex objects
- All automatic objects can be modified by parameters.

# PUNCHING



The user has access to various techniques for the efficient production of stitch data.

## Punching directly on the image

Recommended as a time-saving procedure if the image already contains forms that meet embroidery requirements. The contours are created in conjunction with automatic punch programs.

## Use of existing drawing lines

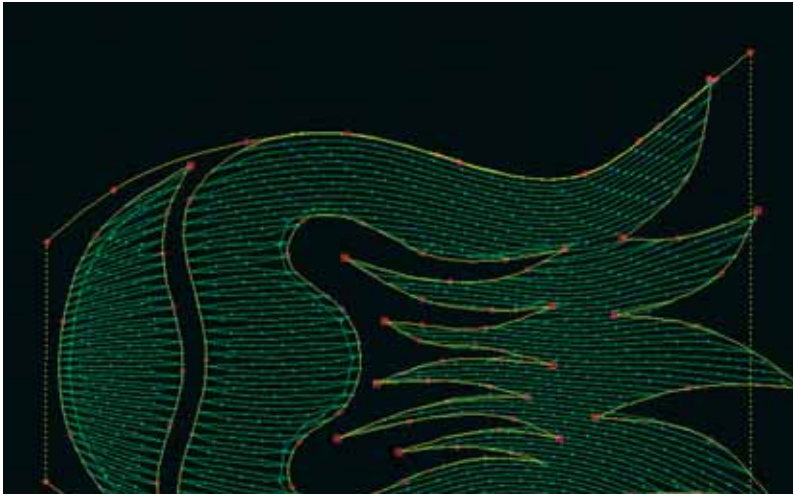
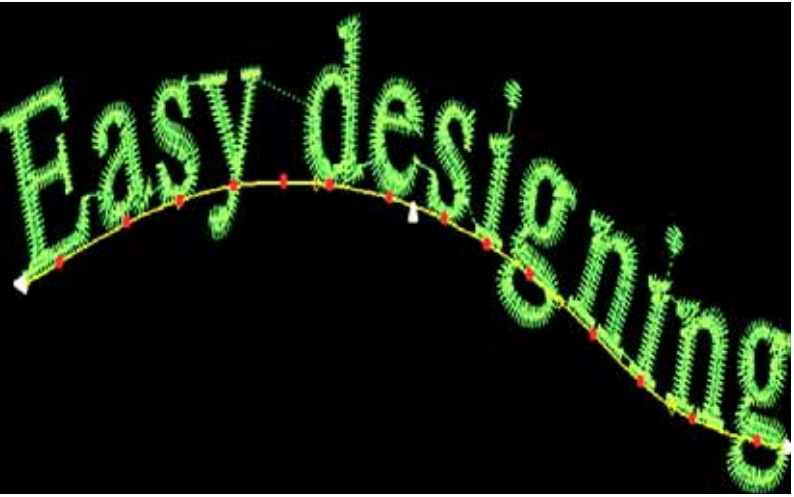
EPCWIN drawing lines or imported drawing data from other drawing programs can be selected when punching. By shortening, lengthening, linking and supplementing these lines when integrating them, the user's options are endless.

## Combination of both techniques

Punching directly on the image as far as possible – in difficult areas of the design, use of the drawing functions followed by acceptance of the lines.

## Special functions for multi-head and Shuttle embroidery machines

EPCWIN supports all common special functions, such as color change, thread trimming, sequin, head selection etc. for multi-head embroidery machines as well as single needle selection, repeat & color change, boring etc. for Shuttle embroidery machines. The system impresses with its brilliant graphic repeat and color representation, especially when complex designs require head and single-needle selection.



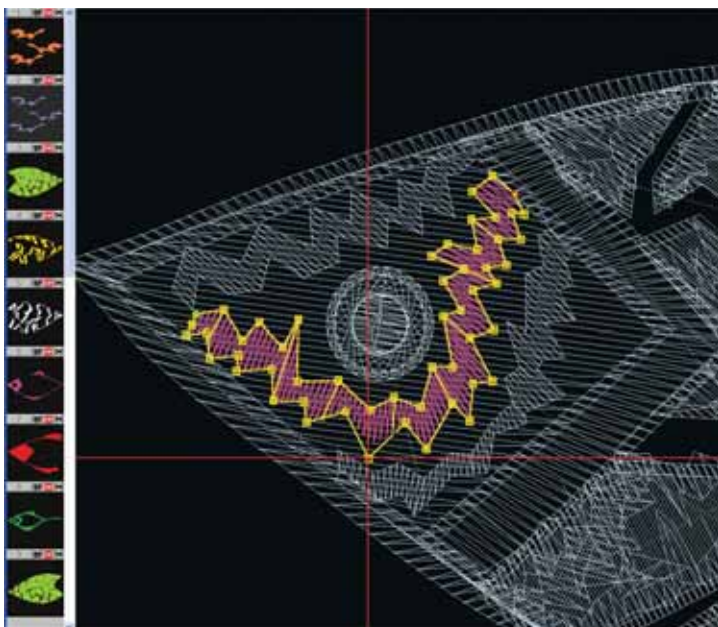
## Excellent automatic programs enhance creativity

EPCWIN provides an incomparable and infinite range of automatic embroidery programs. By means of the "autorouting" function, the program independently selects the most effective way between the beginning and the end of an object. Quality is controlled by way of precise embroidery parameters.

- ▶ Automatic stitch density adjustment according to stitch length
- ▶ Exactly controllable pull compensation
- ▶ Stitch shortening at corners and tight curves
- ▶ Short-long rule to avoid thread breaks
- ▶ Various corner types in all satin stitch programs
- ▶ Exact automatic underlayers in numerous variations
- ▶ Free start and end point

- Realistic presentation of embroidery
- True Type monogram
- Example for curved fill

## EDITING



- Controllable stitch density adjustment based on object, stitch type or the entire design
- Correction and adjustment of contours and stitch directions
- Rearrangement of the embroidery order by means of the "film strip" function
- Modification and exchange of program parameter sets
- Cutting out, inserting and managing design parts
- Rotating, mirroring, enlarging, resizing design parts with optimum stitch density adjustment



# DESIGN MANAGEMENT

## Design management

EPCWIN offers a convenient and clearly structured design manager for both embroidery machine systems. The image, drawing, reference and stitch data are stored in an archive for each design. In addition to the pictogram directory, the text directory allows the user to search for and select specific motifs quickly.

## Data input and output

Stitch data can be loaded and saved in all conventional machine codes

- ▶ for multi-head machines: ZSK, Tajima, Barudan, Melco etc.
- ▶ for schiffli machines: Lässer, Saurer, Hiraoka, ZSK

By networking EPCWIN and ZSK multi-head embroidery machines or other systems, a direct data transfer is possible.

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