



BasePac 7

	BasePac 7	BasePac SE	BasePac ACE	MfM Monogram	Monogram	ACE	Punch 1	Punch 2	Editor	Print & Statistics
Design administration										
Sorted in folders	X	X	X	X						
Design entry with design number, name, customer's name, no. of stitches, type and date	X	X	X	X						
Pictogram directory	X	X	X	X						
Delete, copy and move designs	X	X	X	X						
Design header	X	X	X	X						
Histogram of machine functions	X	X	X	X						
Search function, for all design entries individually or according to independent criteria	X	X	X	X						
Thread consumption table for all needles	X	X	X	X						
Reading and Writing of a large variety of disc formats	X	X	X							
Code-conversion from/to all existent multihead stitch data format	X	X	X							
Backup/Restore function, the designs remain in the directories	X	X	X							
Replacing stop with needle change function in stitch data designs	X	X	X	X						
Assign the original thread color to the needles	X	X	X	X						
Set up design collection	X	X	X	X						
File-Functions										
Open a new or existing design	X	X	X	X						
Store the design on any drive under windows	X	X	X	X						
Store design anew with another version number	X	X	X	X						
EPC-connection (Reading and writing of designs in the ZSK EPC via network)	X	X	X							
Store designs to ZSK embroidery machine memory	X	X	X	X						
Connecting right to ZSK and Toyota embroidery machines	X	X	X	X						
Import of existing designs to current designs	X	X	X							
Sending designs with E-Mail	X	X	X	X						



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Print functions										
Print out designs	X	X	X							
Best adjusting of the design to page size	X	X	X							
Printing with realistic thread colors which can be selected from a color-table	X	X	X							
Printing large designs on several pages										X
Free positioning the design on the page										X
Printing of thread consumption table										X
Printing of design header	X	X	X							
Printing of comment	X	X	X							
Printing histogram of special functions										X
True View – realistic view of the design in single print mode										X
Printing design catalogue										X
True View – realistic view of designs in catalogue mode										X
Fade in fabric designs in the background										X
Print as Repeat view for multihead designs with single head selection										X
Editing designs										
Multi Undo / Redo with adjustable step count for all functions	X	X	X	X						
Moving designs	X	X	X	X						
Scale up/down designs without density compensation (centered, proportional, independent)	X	X	X	X						
Scale up/down designs with density compensation	X	X	X							
Rotate/slant design	X	X	X	X						
All functions can be set numerically or graphically	X	X	X	X						
Frame library. Frames with variable boldness and density	X	X	X	X						
Store standard-parameters for frames	X	X	X	X						
Define your own frames		X	X	X	X	X	X	X	X	
Fill frames from library with fill stitches	X	X	X	X						
Copy and insert of designs from the clipboard	X	X	X	X						
Open several designs at the same time	X	X	X	X						
Open several windows of the same design (also in different zoom levels)	X	X	X	X						
Select zoom level independently, with zoom factor or fitting design/block to screen	X	X	X	X						
Permanent display of design size, no. of stitches, zoom level and cursor position	X	X	X	X						
Display of start- and endpoint. Also possibility to define start-/endpoint	X	X	X	X						



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Edit stitches										
Delete/ insert of single stitches	X	X	X	X						
Moving/shifting of stitches	X	X	X	X						
Insert of double stitches		X							X	
Search for stitch number		X							X	
Search for stitches with a certain length		X							X	
Search for machine functions		X							X	
Delete/ Insert of machine functions	X	X	X	X						
Display of machine functions graphically, selectable by choice	X	X	X	X						
Cleaning (sum up small stitches)		X							X	
Optimize (sum up jump stitches)		X							X	
Alphanumerical stitch display		X	X				X		X	
Recalculation of the design							X		X	
Satin stitch correction									X	
Changing stitch division									X	
Edit blocks										
Create blocks at current stitch position		X	X				X		X	
Create blocks automatically		X							X	
Connect all blocks		X	X				X		X	
Delete blocks		X	X				X		X	
Move/shift blocks		X	X				X		X	
Scale up/down blocks without density compensation for stitch data	X	X	X							
Scale up/down blocks with density compensation for stitch data		X	X						X	
Scale up/down blocks including recalculation based on coordinate data		X	X				X		X	
Rotate/slant blocks		X	X				X		X	
Copy blocks		X	X				X		X	
Copy block with 3-point copy feature							X		X	
Block selection with film strip		X	X				X		X	
Center blocks							X		X	
Embroider block backwards									X	
Group/ungroup blocks							X		X	
Change order of embroidery block by block		X	X				X		X	
Block structure is stored with the design							X		X	
Standardize block					X		X		X	
Duplicate block with self-defined shift vector					X		X		X	
Fading out blocks		X	X				X		X	
Set trimming, stops or needle changes at the beginning of a block		X	X				X		X	



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Monogram										
2 fonts (GiS Swiss and GiS Swiss small)	X									
128 fonts		X	X	X	X					
Import of TrueType fonts		X	X		X					
Free choice of filling of TrueType fonts or bordering with satin or running stitches.		X	X	X	X					
Closest point or any connection with TT fonts		X	X	X	X					
Free tack and lock stitches at TrueType fonts		X	X	X	X					
TT-Editor for modifying the fonts		X	X		X					
All fonts with any kind of size, boldness and slant angle	X	X	X	X						
Any density you like	X	X	X	X						
Zigzag, centerline or contour under layers	X	X	X	X						
Multi line input of text, left-/center- or right-aligned		X	X	X	X					
Various division modes: Center, regular or irregular	X	X	X	X						
Thread trimming/ lock stitches by choice	X	X	X	X						
Input of text in original size directly at desired position	X	X	X	X						
Mark and overwrite words with constant parameters	X	X	X	X						
Scale up/down, rotate, slant text with box function or numerically	X	X	X	X						
Place text on straight lines, circles or any kind of curve with the facility to adjust letter -size, -width and distance		X	X	X	X					
Writing and editing text directly on curves		X	X	X	X					
Shifting the text along the curve		X	X	X	X					
Shifting of single letters along the curve		X	X	X	X					
Shifting a text beginning with a certain letter		X	X	X	X					
Selectable distance from the curve		X	X	X	X					
Writing on, above and below the curve		X	X	X	X					
Letters vertical on the curve (stairs)		X	X	X	X					
Envelope-function with edit facilities			X	X	X					
Parameters for standard fonts can be stored		X	X	X	X					
Center text to frame		X	X	X	X					
Changing order of embroidery for text and frames		X	X	X	X					
Duplicate text and frames with self defined shift vector		X	X	X	X					
Convert text to stitch data		X	X	X	X					
Convert text into reference data							X		X	
Editing the reference data of the letters							X		X	
Filling letters with stencils or macros								X		
TrueType Font Editor										
Create a font from a Picture		X	X		X					
Editing the single outline points		X	X		X					
Editing the stitch directions		X	X		X					
Changing the contour cuts		X	X		X					
Changing header and trailer spacing		X	X		X					



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Template										
Assistant for production of badges on ribbons and large frames		X	X	X	X					
Import of the names from a text file		X	X	X	X					
Automatic adjustment of the name's length		X	X	X	X					
Input of the distance and the order of embroidery of the single badges in the hoop		X	X	X	X					
Definition of a border and an additional design		X	X	X	X					
ACE										
Import of pixel designs and .emf-files			X			X	X			
Optimizing the pixel data			X			X				
Transforming into vector data			X			X				
Automatically transforming into punch data and calculating stitches			X			X				
Use the optimized data as background picture			X			X				
Use the vector data as drawing lines			X			X				
Changing the order of embroidery			X			X	X			
Modification of all parameter			X			X	X			
Automatic Under layer							X			
Filling of colored drawing areas with step or satin stitches			X			X				
Calculating a Stepp stitch or satin line on a drawing line in the drawn color			X			X				
Drawing										
Self defined curves or straight lines with/without corner attribute		X	X	X	X		X		X	
Edit a curve point		X	X	X	X		X		X	
Shifting the complete curve		X	X	X	X		X		X	
Shifting a group of curve points		X	X	X	X		X		X	
Freehand drawing for artistic work							X			
Define circles by entering center-point and radius		X	X	X	X		X		X	
Define circles by entering 3 points		X	X	X	X		X		X	
Enter arcs of a circle		X	X	X	X		X		X	
assigning individual colors to lines		X	X	X	X		X			
Create parallel curves		X	X	X	X		X			
Enter graphic primitives (rectangle ...)							X			
Adopt drawing lines as coordinate data and vice versa							X			
Import of .dxf , .ai, .wmf and .emf-files							X			
Split and connect drawing lines							X			
Group/ungroup lines							X			
Box feature for drawing lines							X			
Convert graphic primitives in drawing lines							X			
Optimizing lines							X			



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Punch 1										
Punching on-screen		X	X				X			
Punching with digitizer							X			
Freehand punching for artistic work							X			
Input modes manual		X	X				X			
Pair wise		X	X				X			
Center line							X			
Outer contour		X	X				X			
Step stitch line		X	X				X			
Complex Fill		X	X				X			
Satin stitches with outer contour input, automatic calculation of contour cuts and stitch directions			X				X			
Predefined stitch calculation modes: Satin stitch, step stitch with rhythm 1-4, irregular; single running lines		X	X				X			
Variable stitch calculation modes: choose between stitch division mode center, rhythmic, irregular, regular							X			
choose between edge mode zigzag, irregular, acute, obtuse							X			
Shortened Stitches in corners			X				X			
Curve/ straight line input		X	X				X			
Closed curve attribute for smoothening curves							X			
Convert centerline coordinates to pair wise coordinates							X			
Set the outer contour endpoint at any position		X	X				X			
Input of holes							X			
Input of any stitch direction		X	X				X			
Input of division lines							X			
Set corner attribute by double clicking		X	X				X			
Pull compensation							X			
Overlap							X			
Swing on covering stitches							X			
Adjust density ramps according to your needs							X			
Automatic fill under layers with all fill modes, only single under layers. Input any under layer-distance from outer contour edge, density and stitch length,		X	X							
Automatic fill under layers with all fill modes, either single or double under layers. Input any under layer-distance from outer contour edge, density, swing, stitch length and angle relating to cover stitch direction							X			
Automatic contour under layers with any fill mode. Input any under layer distance from outer contour edge and stitch length.		X	X							
Automatic contour under layers with any fill mode. Input any under layer distance from outer contour edge, stitch length, swing and order in conjunction with fill under layers							X			
Centerline input with variable width and variable Stitch direction							X			



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Punch 1										
Single running line		X	X				X			
Stitch repeat mode in step stitch lines		X	X				X			
Multiple running lines							X			
Enter swing and shift for every pass separately							X			
E-Stitch with variable angle and length							X			
Shortened stitches in curves		X	X			X	X			
Save stitch modes (parameter sets). Access via stitch mode menu							X			
Clean coordinates							X		X	
Save self-defined macros							X			
Place macros on running lines							X			
Macro with special functions (e.g.: Sequins) possible							X			
Choose any height and width							X			
Select any distance between macros							X			
Fit macro exactly to the running line length							X			
Definition of design blocks							X			
Alter every coordinate point at any time		X	X			X	X			
Recalculation of the design block wise with different parameter set.		X	X			X	X			
Recalculation of the design completely or block wise with a global parameter set.							X			



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Punch 2										
Stitch division mode by input of an angle								X		
Set the endpoint with centerline or pair wise input mode at any position								X		
Input of islands								X		
Input of additional contours								X		
Input of any stitch direction								X		
Input of several straight stitch direction lines to create a turned step stitch								X		
Input of several wavy stitch direction lines								X		
Pair wise or centerline input with branches								X		
Running lines with branches								X		
Pull compensation with branches								X		
Separate density for every stitch direction line in outer contour input mode in order to create continuous density changes								X		
Stencil stitch division on areas with complex fill and holes								X		
Select any shifting and size of stencils								X		
Stencil and step division mode can be combined together, inside, outside, always								X		
Save self-defined stencils								X		
Macro fill on outer contour areas with complex fill and holes								X		
Height and width of macros adjustable								X		
Macro with special functions (e.g.: Sequins) possible								X		
Mirror and distance between macro lines as you like								X		
Select any shifting of macros								X		
Select any distance between macros								X		
Turned step stitch with complex fill and holes								X		
Wavy step with complex fill and holes								X		
Stencils on turned step areas with complex fill								X		
Stencils on wavy step areas with complex fill								X		




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Background picture										
Import bitmap images in various formats			X				X			
Display/hide background image			X				X			
Change size of background image via box feature			X				X			
Change size referring to a part of the image (scaling)							X			
Rotate and slant the background image							X			
Adjust contrast and brightness							X			
Fade out colors of the background image							X			
Auto-Trace							X			
Display features										
Show/ hide needles		X	X			X	X			
Show/ hide blocks		X					X		X	
Show/ hide coordinates		X	X				X		X	
Display in different colors		X	X				X		X	
Show coordinate points in different sizes		X	X				X		X	
Set coordinates in front of/ behind the stitches		X	X				X		X	
Display only current automatic		X	X				X		X	
Show/ hide stitches	X	X	X	X						
Show/hide stitch in points	X	X	X	X						
Display stitches in different colors	X	X	X	X						
Display text in fill mode with needle color	X	X	X	X						
Display text with stitches	X	X	X	X						
Display text with coordinate data	X	X	X	X						
Horizontal and vertical rulers	X	X	X	X						
Length measurement feature with ruler	X	X	X	X						
Display punch contours as curves		X	X				X		X	
Rubber band feature		X	X				X		X	
Large crosshairs cursor	X	X	X	X						
Display start/endpoint	X	X	X	X						
Draw design with respect to order of embroidery		X							X	
Display part of the design from stitch no.. to stitch no.		X							X	
Redraw the design	X	X	X	X						
Choice between 3 color schemes: original design colors, Display colors, standard colors	X	X	X	X						
Set blocks to the front/ to the back		X	X				X		X	
Adjust all colors as you like: helpline colors, coordinate	X	X	X	X						
True View effect	X	X	X	X						
Repeat view for multihead designs with single head selection	X	X	X	X						
Repeat grid for multihead designs with single head selection	X	X	X	X						



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User interface										
Large worksheet, distinct structure and display of only those tools which are available at a given time.	X	X	X	X						
Position the toolbar horizontally, vertically or anywhere within the worksheet	X	X	X	X						
The most important functions are accessible with buttons	X	X	X	X						
Parameter window with preview feature	X	X	X	X						
Select zoom levels numerically or with zoom buttons	X	X	X	X						
Automatic scrolling in insert mode when reaching the end of the working area	X	X	X	X						
Dragging of horizontal and vertical help lines out of the rulers	X	X	X	X						
Grid with selectable distance	X	X	X	X						
Select important functions with shortcuts	X	X	X	X						
Online help system	X	X	X	X						
Magister Tutorial Software	X	X	X	X						
Quick start	X	X	X	X						
Monitor scaling in mm	X	X	X	X						
Display buttons small/large	X	X	X	X						
Toolbar, status line, show/ hide ruler	X	X	X	X						
Available languages : German, English, French, Italian, Portugese, Spanish, Turkish, Chinese, Hungarian	X	X	X	X						

 BasePac 7 Shiffli	Shiffli Editor	Shiffli Converter
Shiffli Functions		
Editing all Shiffli machine functions	X	
Editing repeat pattern with free needle pattern	X	
Input of text in the design	X	
Converting Lässer discs		X
Converting Hiraoka discs		X
Converting ZSK-NC discs (Shiffli)	X	
Repeat view	X	
Repeat grid	X	
Checking shiffli designs	X	
Printing shiffli designs (with Print & Statistics)		X
Shiffli punch (with Punch1)	X	