# **EPCWIN** THE HIGH-END SOFTWARE





# **Introduction**

Welcome to the new EPCwin version 6.0.

Main focus regarding this update is the considerably improved design management. The new design directory constitutes the central starting point for all design activities, e. g. design export and import. An improved dialogue design and an extensive filter function bring about a much better overview of your designs.

In the following, a short list with the further major items in this update. You will find a more thorough description on the next pages.

- The organization of designs is made in design directories. These respond to alias names. Consequently, changing between the directories is possible simply by clicking on the alias name.
- The list view respectively pictogram view has been strongly expanded. It is easy to change between both forms of view, and from both views, the design activity can be started.
- The new filter function also finds designs spanning all directories. The filter criteria can be variably adjusted.
- All data belonging to one design are now saved in a file ending ZDF (ZSK-Design-Format); thus, the exchange of reference data between EPCwin users is made easier.
- We have strongly extended the meta data for a design, e. g. the new catchword function leads to a better description of the design. Hence, it is easier to rediscover.
- The undo-function must be mentioned as last major item in version 6.0. It is possible to take back the last actions any time and anywhere during the design creation.

In the following, there is a description of the individual items helping to comprehend the conversion step by step, and to optimally adjust your system for further use.

Concerning hardware requirements please note: an up-to-date Windows PC is sufficient for using the ECPwin. (e.g. Processor Intel i5, 8 GB RAM, simple graphics board, hard disk, or SSD). However, we recommend a monitor with 24" and FullHD-resolution, i. e. 1920 \* 1080 (16:9). A resolution of 1920 \* 1200 (16 : 10) would be better. EPCwin 6.x is not designed for ,4k"- monitors. In order to be able to work with these monitors, the Windows scaling must be increased as a rule, which in turn entails that the assistant domain of EPCwin is not presented correctly.

Enjoy Trying!

#### First start of the new version 6.0

Before updating to the version 6.x, we strongly recommend to carry out an update of the design data. Furthermore, please execute a parameter backup. Both backups should be saved on an external hard disk (e. g.) for the case of having to revert to these data at a later time. The Windows directory of the backup should be given a meaningful name. e. g. EPCwinBackupPreVersion60.

Assistant for converting design directories					
This assistant helps you to transfer all your directories to the new format step by step. Select "transfer directory" to convert it to the new format. If you don't need this directory, click on "Skip directory". You can determine the Alias name or take the suggestion. The function "Organize directories" allowed you to setup Alias name and sequence in the future. Go to Design management -> Organize directories -> Create new directory.					
Directory name and path Alias: DesignData Path: C:\EPCBeschreibung60\EPCwinDe	ata\DesignData				
List of design directories Directories	Transfer directory Skip directory				
	Preview directory				
	Exit				

When you start the new version for the first time, the back adjustments are automatically taken over. After that, an assistant will be started which helps you with taking over your earlier designs.

One by one, all used design directories up to now, are offered for taking over. The suggested alias name is the name of the Windows directory. However, you can assign a new name. With button *Transfer directory*, the shown directory will be converted into the new structure. You can skip directories which you do not need. With preview you can be shown the directory's designs.

After the conversion is finished, you will be asked to enter your password for version 6.x.

## New Design Management

On the two following pictures you see both presentation modes of the design management:

#### List view:

Design directo	ry - Load design									8
-Design directo	y		Search and filter			Design info				
	DesignData	Change design directory		· _	Search Filter	Design number:	00-000-050.00	No. of stitches: 917		
			Case sensitivity		E/ter activ	Design name: Pf	R14 CurvedFill	No. of colours: 1		
- Settings			Design selection			Group: Ptg 14		Image: 0		
	Listview	Parameters	56 Total de	sign number 1	Selected design number	Oustomer: ZSK		Draving: 0	1000	
	Ore	ser:				Date: 2405.2006		Paference Data: 1		
IIII	Pictogram view In a	sign number ascending order	Select all	Deselect all		Time: 10.59				
Design numbe	r Design some	Description of design ve	rsi., Group	Customer	Teg 1	Date	Time		No. of stitches	No. of colours
00-000-050.00	PR14 OurvedFill		Prg 14	ZSK		24.05.2006	10.59		917	1
00-000-052.00	PB14OurvedFill		Prg14 Et	25K		24.05.2006	11:03		715	1
00-000-054.00	PR20 free Endp		Prg 20	ZSK		24.05.2006	11.59		258	- i -
00-000-055.00	PR20 Been stitch	. 🕞	Prg 20	ZSK		24.05.2006	11:59		532	1
00-000-056.00	PR20 Bean stitch		Prg 20	ZSK.		24.05.2006	12.00		304	1
00-000-057.00	PR20 Bean stitch		Prg 20	ZSK.		24.05.2006	12:00		500	1
00-000-058.00	PR20 Endpoint		Prg 20	ZSK		24.05.2006	12.00		211	1
00-000-059.00	D_PR34 TT Mon	ogr	0_Prg34	IMB 2006		24.05.2006	12:01		3513	2
00-000-062.00	D_PR22 BrickGr.		D_Prg22	IMB 2006		24.05.2006	11:03		0	1
00-000-063.00	D_PR21 HoneyO	k.	D_Prg21	IMB 2006		24.05.2006	12:02		0	1
00-000-101.03	TT FONTS 350		Fonts	ZSK		06.12.2006	14:43		208551	1
00-001-001.00	Glaces Paillette		Seguin	ZISK.		24.05.2006	10:53		6991	3
00-001-002.00	Ch-League		Sports	ZSK		24.05.2006	10.53		26710	4
00-001-003.00	Mississipi		Emblem	ZSK		24.05.2006	10.54		13275	6 1
00-001-005.00	RecirgEngine		Emblem	ZSK		24.05.2006	10.57		7621	3
00-001-006.00	Bonr		Emblern	ZKSK		24.05.2006	11:01		10618	6
00-001-007.00	Girafle		Emblem	Anonym		24.05.2006	11:01		18987	7
00-001-008.00	South Atrican		Emblem	Privat		24.05.2006	11:06		11766	2
00-001-009.00	Emblem ZSK		Emblem	Privet.		24.05.2006	11:09		37273	8
00-001-010.00	New Orlgens		Emblem	ZSK		24.05.2006	11:10		14005	5
00-002-001.00	IME 2000		IMB 2010	ZSK		24.05.2006	10.56		37960	7
00-002-003.00	IME 2000			256		24.05.2006	11:04		41833	5
00-004-001.00	Glaces Paillette		Sequin	ZSK		24.05.2006	11:05		6991	3
00-008-001.00	Glemour		IMB 2016	ZSK		24.05.2006	11:11		29098	2
00-008-002.00	56 Head		IMB 2016	ZSK		24.05.2006	11:12		57823	4
00-009-001.00	Linner Burg		Emblem	Krefeld		24.05.2006	11:13		43706	11
00-009-002.00	Flower		Design	ZSK		24.05.2006	11:15		32066	
00-009-003.00	Medical History		Design	258.		24.05.2006	11:15		95688	2
00-050-501.00	Loce Arc			Alexander		24.05.2006	11:26		3947	
00-050-502.00	Lace			Alexander		24.05.2006	11:41		3417	
00-050-503.00	Lace 2663 2			Fo. Majer		24.05.2006	11:40		11185	
00-050-504.00	Wollellover			Gruchalia		24.05.2006	11:40		6244	
00-050-505.00	SA 3161			Huelo		24.05.2006	11:39		12396	
00-050-506.00	Repport1x2379			Wolter		24.05.2006	11:41		2888	
00-050-508.00	Flower 2			Wolfgang		24.05.2006	11:39		21187	
00-050-509.00	Tuelspit 2745 2			Busch		24.05.2006	11:39		3417	
00-050-510.00	VOMAG CARD	CR		Werner		24.05.2006	11:39		10039	
00-060-501.00	Flowers			Di Merina		24.05.2006	11:40		12998	
00-060-502 00	Tase			KTC Kerken		24.05.2006	12:07		0	
00,030 201 00	Comin 1		Camia	Manut		34.05.3505	11.00		ň	
Import	Export	Copy/Move 25	K Paol Dele	te P	tint and statistics Print of	etalogue	Print design list	Help	Open	Cancel

#### Pictogram view:



#### Now, you find descriptions of the individual operating groups:

#### **Change Design Directory**

🔳 Sel	ect directory									X
Sel	ect organized design	directi	ory 110							
1	DesignData	2	Hausmesse-2012	3		4		5		
6		7		8		9		10		
	Short cut					Browse:			11 20	
C:\E	EPCBeschreibung60\E	PCwi	nData\DesignData							
De	sign directory for free a	acces	s							
	Open								6	
	Path:									
	,									
Pa	ramters for change of c	directo	ny							
	Change block director	y too								
_ Loc	k design directory									
	Access protection	n of de	esigns and directories	(only m	ulti user syste	ms)				
	🔲 Mark locked desi		directory [12-345-678.0	10* aster						
	Unlock all directories									
	Organi	zed de	esign directories			Help		ОК	Cancel	

In the upper part of the dialogue, you can chose organized design directories directly. This is done by clicking of the requested directory, or by entering of the index number under Short Cut. Maximally, 50 directories can be organized. *Browse* changes the directories in 10 steps.

In case a design directory is not organized, you can enter a path for access. *Open* loads this directory.

The following parameters are adjustable:

- Change block directory too: if there is also a block directory in the basis path of the new design directory, this block directory will be activated.
- Lock design directory: in the case of more than one user having access to the design directories, access to a directory or design are only allowed, if no other user has opened the directory respectively design.
- Mark locked designs: designs which have been opened by another user, are marked with an asterisk. Please note: this function leads to longer loading times when setting up more substantial directories.

### **Organize Design Directories**

Organized design directories		X
Directory sequence	Create new Windows folder	
Design directories	Create new design directory	
2: Hausmesse-2012 3: 4:	Import existing directory	
	Change alias name	
7: 8:	Remove directory	
9. 10: 11:	Setup / change directory group	
12: 13:	Help	
14: 15:	OK	
<b>1</b> 16:	Cance	1
Directory name and path		
Path: C:\EPCBeschreibung60\EPOwinData\Desig	jnData	

In this dialogue, you can process the list of the organized design directories

With a click on the arrow icon, you can move the marked directory in the list up respectively down.

- Create new Windows folder: This function allows you to create a new folder for your computer or file server.
- *Create new directory*: With this function, you create a new directory. It will be located at the end of the list. You can change the position in the list of the new directory with the arrow icon.
- *Import existing directory*: An already existing directory will be integrated into the list. Design directories of EPCwin version 5.x and older will be converted to the new format.
- *Change alias name*: Please enter the new name and confirm with OK.
- *Remove directory*: the marked directory will be removed from the list. Please • note: only the record in the list is deleted. The designs remain on the storage medium.
- Setup / change directory group: With this function you can summarize design directories into a group. Within this group, a design number can only exist once. Up to now, the control was limited to the current directory. In order to make up a group, please click on the requested directories. Clicking once more will remove the directory from the group again.

The directories of a group obtain the addition "group" in the list.

#### Parameters

Directory parameters			X
Column filter			Column sequence
All on All off			Columns
🔽 Design number	🗖 Tag 8	🗖 Stitch Data	Design number
🔽 Design name	🗖 Tag 9	Multi-Head	Design name
Description of design version	n 🗖 Tag 10	Head selection	Group
🔽 Group	🔽 Date	□ Schiffli	Customer
Customer	🔽 Time	🗆 Design type	Date
Com. No.	🔽 No. of stitches	Remarks	Time No of stitches
🔽 Tag 1	Number of colours	🗖 Base material	No. of colours
🗖 Tag 2	🗖 Max. repeat		Image Drawing
🗖 Tag 3	🗖 Design size X		Reference Data
🗖 Tag 4	🗖 Design size Y		
🗖 Tag 5	🔽 Image		
🗖 Tag 6	Drawing		
🗖 Tag 7	Reference Data		
Parameters			
Dpen design with single click	in pictogram view		Help
🗌 🗖 Switch off ToolTip in pictogra	ım view		
Hide leadings null in design r	number		OK Cancel

With the buttons list view and pictogram view, you switch between both modes of presentation. You can influence the view under Parameters.

- *Column filter*: Here, you can determine which columns are shown.
- *Column sequence*: You can change the sequence of columns. For this, please click on the column designator and move the sequence with the arrow icons.
- *Open design with single click in pictogram view*: Normally, a design in version 6.0 will be opened by a double click on the corresponding pictogram. Upt to version 5.x, only a single click was necessary to do this whereas a double click was necessary in the list view. In order to recover compatibility with the old version, it is possible to reactivate this feature with this button.
- *Switch off ToolTip in pictogram view*: With slow network drives, the ToolTip function has a restrictive effect on the speed of display.
- *Hide leading null in design number*: Basically the EPCwin shows you the design numbers always with 10 digits, even your number is e.g. 123 only. Now you can switch off all "0" in front.

## Search

Please enter the search keyword into the corresponding search field. The search procedure will be started with Search. The first found hit will be marked. Clicking again on Search will find the next hit. When the end of the list is come at, the search will start all over again.

The search is carried out in all columns, however, only in the current directory.

In case *observe upper and lower case* is hook marked, only the exact wording will be found.

## Filter

Filter design							X
Filtering directories				_			
Current design directory	DesignData Hausmesse-2012				💽 Se	ptember 20	15 🗩
All design directories					<u>Mo Di</u> 31 <b>1</b>	Mi Do Fr	<u>Sa So</u> 5 6
Select directories					7 8 14 15 21 22 28 29 5 6	9 <b>10</b> 11 16 17 18 23 24 25 30 1 2 7 8 9	12 13 19 20 26 27 3 4 10 11
Filter definition							
Column	Operation			Value		Value	
Design number	Between	•	10		300		
Group	Contains	•	Animals				
✓ Date	Between	•	1.8.2015				
	<b>v</b>	Ţ					
Case sensitivity				Filter confunct	ion •		OR
				[	OK		Cancel

Contrary to the search function, you can search in the filter function in a number of directories. It is possible to combine several search criteria. You can set up an "OR"-operation (one or more criteria must apply), or and "UND" operation (all criteria mus apply). In addition, the exact wording can be enforced by *observe upper and lower case*. Up to 4 single filters can be defined. They will activated by setting hooks. The settings remain active until the next change of the single filter.

*Filtering directories*: Please chose the directories in which you want to search.

*Filter definition*: A name of column can be chosen as filter criterium. It is possible to define an operator which needs in turn entries of value according to the chosen column.

The found designs are shown in the design list. Moreover, the alias name of the directory will be added. You can start all actions from this special filter directory. . When the filter is active, this will be shown by a hook under the button *Filter*. With this hook, you can temporarily switch on/off the filter again.

### Sorting of Designs

It is possible to reorganize the sorting of designs by clicking on the head of column. Clicking again reverses the sorting direction. The currently set sorting parameters are shown in the field *sorting*.

## Width of column

The width of the column can be changed by pulling at the column divide. A double click adjusts the width to the optimal value, referring to the longest entry in the column.

The adjusted width of column will be saved and reconstructed when the dialogue is opened again.

## **Design Selection**

The selection of a design is done by clicking on the line respectively the pictogram. In the list view, the line is highlighted in colour. In the pictogram view, a red frame is drawn around the design. The Info button is impressed. The design is opened by a double click on it.

If you want to select several designs, please press [Ctrl]respectively [Shift] simultaneously to the left mouse button. In so doing, the Windows notation is applied. [Ctrl] extends the selection by the clicked design. [Shift] extends the selection by the section between the lastly selected and the current design.

In the info tray "design selection" atop of the list with designs you will find information regarding the complete number of designs and the number of selected design.

Select all: all designs will be marked.

Deselect all: all existing marks will be removed.

## **Design info**

The most important data of the design selected lastly are shown at the top on the right. If you move the mouse in pictogram view, a field (ToolTip) with the most important data will appear. You can stop the ToolTip function under *Parameters*.

## **Design Actions**

Underneath the design list respectively pictogram view, you will find the action buttons.

#### **Import**

Import			X
Stitch data Multi-Head	Stitch data Schiffli		Image and vector data (*.dxf)
• ZSKTC (*.Z00)	O ZSK NC	(*.NCE)	Pictures (*.BMP,*. JPG,*.GIF)
C ZSK old (*.DSZ)	C Saurer SLC	(*.SAS)	Vector data (*.dxf, *.ai, *.wmf, *.emf)
🚮 🔿 Tajima (*.DST)	C Lässer	(*.MST)	📿 C Vector data (*.cmx)
Gaudan (*.DSB)	C Saurer SHC	(*.PAT)	EPCwin Reference data
Melco (*.EXP)	🔿 Hiraoka	(*.DAT)	EPC win C Reference Dat (*.zdf, *.zip)
Source path			
D:\ZSK-Maschinen			<b>.</b>
Delete entry			
	6	🧼	elp Import Exit

First, please choose the EPCwin design directory into which you want to import the file. After that, click on *Import*.

Please select data mode and adjust the source path. The source path which has been adjusted at last will be shown.

You get into the data selection with Import. Please select the file(s) you intend to import.

Please note with regard to the import of stitch- or EPCwin reference data: If the design number is already existent in the destined directory, the conflict manager will be called up. Here, you can specify, whether the existing design shall be written over, or a new design number shall be created, or a further version for the already existing number shall be added.

Among the previously known graphic formats also PNG and PDF files can now be imported as a template for digitizing.

PDF Converter parameter					
Parameters					
Page number					
300 Resolution (dpi)					
Value range [1, 50]					
Help OK Cancel					

For PDF files, you can determine the following dialog, the page number and resolution too.

#### Export

Export					×
Stitch data Multi-Head		Stitch data Schiffli		Image and vector dat	a (*.dxf)
🛛 🚮 о zsk тс	(*.Z00)	C ZSK NC	(".NCE)	🔀 © Pictures	(*.BMP,*. JPG,*.GIF)
C ZSK old	(*.DSZ)	C Saurer SLC	(*.SAS)	n Vector data	(*.DXF)
💏 🤉 Tajima	(*.DST)	C Lässer	(*.MST)	EPOwin Reference da	ta
Sandow C Barudan	(*.DSB)	C Saurer SHC	(*.PAT)	EPC win	Dat (*.zdf)
Melco	(*.EXP)	C Hiraoka	(*.DAT)	EPC C Reference of	data 5.x
Parameter for export					
📣 🗖 As an e-mail		🧟 🗖 compress writin			ame
🗖 Determine file n	ame during expo	irt			Append time stamp 🗖
🗖 Generate TC-I	Directory + Pictog				
Destination path					
Delete entry					
			🍼He	IP 🤣 📕	xport Exit

Please mark the design to be exported and click on *Export*. Choose data format and destination path. The following parameters can be set depending on the data format:

- As an e'mail: the destined file is attached to a new mail.
- *Compress writing*: A zip archive with the destined files is created. The name of the archive can be determined, optionally with timestamp.
- *Determine file name during export*: You can enter the file name, otherwise, the standard name for this kind of data format will be taken..
- *Generate TC-Directory* + *Pictogram*: with TC, a directory with pictograms will be generated on the data carrier, so that it is possible e. g. to show the designs on the machine.

Reference data archives you create with Version 6 are not readable anymore in Version 5!

To do this, use the format reference data to 5.x Note that the reference data are processed accordingly! For example, the design name will than have only 16 characters. Other design settings (colour collections, design history, etc.) are also removed.

#### Copy / Move

Copy / Move					
Destination directory					
Hausmesse	e-2012	Change	design	directory	
C:\EPCBeschreibung6	0\EPCwinData\Hau	smesse-2012			
Help	Move	Сору	3	Cancel	

The marked designs can be copied respectively moved into another ECPwin design directory. The destination directory must be organized for this action.

📧 Design number already existing in de	estination directory						<u>×</u>
Design directory: DesignData				Design directory: Hausmesse-2012			
	Design number 00	-000-050.00			Design number 00-000-0	50.00	
	Date 24	1.05.2006 10:59			Date 02.09.20	15 15:24	
	No. of stitches 91	7 design head	<b>→</b>		No. of stitches 916 Show design	head	
Design name PR14 CurvedFill				Design name PR14 CurvedFill			
Version				Version			
Help	Overwrite	Overwrite all				Cance	əl
	Skip	Skip all					_
	Overwrite	all old designs					
	New de	esign version					
	New de	sign number					

In case the design number already exists in the destination directory, the conflict manager is called up.

*Overwrite*: The existing design is written over. A click on *Overwrite all* ensures that designs are written over when further conflicts arise. This button will be reset during a new copy procedure.

*Skip*: The design will not be copied/moved.

Skip all: proceedings are analogous to those of function Overwrite.

*Overwrite all old designs*: In case the design in the destination directory is older than the one to be copied, it will be overwritten. When the design is older, it will also be overwritten during further conflicts.

#### ZSK-Pool

I ZSK machine selection		X		
Select machine 110				
Maschine 1 Maschine 2				
	Browse:	11 20		
Machine path				
D:\ZSK-Maschinen\Maschine1				
Parameters	Functions			
←¥→ Yes Clean design	Write Select design and write	тс		
2 1/10 Min stitch length				
Yes Rotate	Setup Setup machine:	1 nath		
	- setup default parame	ter		
Yes 180	Directory Open machine directory	,		
No 270	- Delete design			
	- Copy design to EPCv	/in		
Don't display this dialogue if you start function	from directory Help	Close		

The encompasses the same function as in EPCwin 5.x. You can directly import into the adjusted design directories of your machine. You can attribute parameters to each machine.

*Clean design*: all stitches shorter than the adjusted value will be removed.

*Rotate*: the design will be rotated by the adjusted value before editing. This may be necessary for e. g. embroidering caps and T-shirt.

#### Delete

The marked designs will be partly or completely deleted depending on the adjustment.



## Right Mouse Key:



All actions can also be released by the right mouse button. The entries *Stitch data as mail* and *Reference data as Mail* are selectable as buttons. If *Stitch data as Mail* is selected, a new mail with attached TC stitch data file will be opened. Upon action *ZSK – TC*.

You can also be shown the design head of the design selected at last as further function. However, no changes are possible here.

Print and statistics and Print catalogue

The Print and Statistics module is necessary. Please take further information from the News 4.0.

### Open

The marked designs will be opened. It is possible to have opened 8 designs at the same time at most.

Design history

Change design histogram									
No.	User	Type of chan	Date	Time					
1	René	Created	13.04.2006	15:08	٦				
2	René	Changed	24.05.2006	11:11					
3	f.gebauer	Changed	28.06.2016	11:07					
4	t.gebauer	Changed	28.06.2016	11:08					
Desigr	n number: 00-008-001.00		1						
Desigr	name: Glamour		Glamour	206					
Descri	ption of design version:			STAL &					
Date: 2	8.06.2016 / 11:08			112					
Remar	ks:			1					
Customer: ZSK									
No. of	stitches: 29097			ENER 3444					
	Reset to latest versi	on	Open	Cancel					

In this dialog you can check when a pattern has changed. By selecting a row the design state will be shown below. With *Reset to latest version* all previous versions can be deleted and the selected one will be the actual version. *Open* opens the selected version. Now you can for example save sample parts from the earlier version in a block. Note - you can not save an old version.

## Change design number

You can change the design number directly. It is not necessary to open the design anymore.

## **Design Head**

00-000-050.00 Mustername: PR14 CurvedFill Stichanzahl: 916	Arbeitszeit: 0k7min	
Musterbeschreibung		Maschinendaten
Musternummer 00-000-050.00 Musterne	PR14 CurvedFill	Maschinentyp Standardmaschine
Auftragsnummer Vers	n	Kopfebstand - mm
Kunde ZSK De	m Erstellt 11.10.2015/16.09 - Zuletzt geändert: 01.07.2016/11.26	Änderungshistogramm Kopfanzahl -
Kundennummer Vorbandene Dr	n - I - I Balaranzitztan	Austizi-Assistent Verlahoveg - mm
Gruppe Prg 14 Schlagwo	er	
Puncher Bernerkun	ne	
Zeichner Grundmate	al	
Mustergröße	Nadelfarben Allgemeine Farb	ben Startzustände
Zeichnung Punch	Nadel Nr. Bezeichnung GS	Referenzfarbe Stortnadel 1
Für Musteranzeige unten in Fläche klicken 🛛 😣 🗙	1 1377 rose 40	Max Stchlänge 127 %
1 228	2 1033 bleu 40	
	3 1375 grün 40	Abblendfarbe
	4 1159 heligelb 40 Rappo	ionfarbe Design Kopfschaltung Nein
1 517	5 1001 weiss 40	notische Purch
	6 1080 pink 40	
	7 103/ rot 40 G	Giterhauptarbe
	8 101 gruen 40 Gi	Sittemebenfarbe
1 -30.9	10 1159 braun 40 Delletter	
-108.4 108.5 0.1 mm cm m	11 112 belleru d0	
	12 1321 rosa 40 Peilleten-	R 9 70 %
Stert/Endpunkt	13 1308 schwarz 40 definition	1 0 1 No
Statistik	14 1220 tot past 40	
	15 1076 blau 40	Musterverzeichnis
SP-Histogramm	16 1282 gruen pastell 40	C\/EPC/EPCwinData\/DesignData
	>> 1732	Musterverzeichnis wechsete
Statistik. Stiche: 916 / Farben: 1	Farbkollektion 1 2 3 4 5 6	Hille Drucken K. Abbrechen

The new design head has a clear design: the most important information with regard to a design is arranged readily comprehensible.

The information is summarized into groups.

**Group Design Description:** please note – the texts entered under design description may not include | (vertical line). This is controlled during input. There also exists a text length control.

**Design Number**: Please enter directly the design number for the design into the input field of the dialogue.

*New version*: the first available version number for this design number will be filled in. 99 versions for one number are possible.

*Selection -> No. + 1*: here, the next free design number is shown, starting from the current number.

*Selection -> lowest + 1*: here, the next free design number is shown, starting from the smallest number.

*Selection -> highest + 1*: here, the next free design number is shown, starting from the highest number.

Order Number: 80 characters

**Customer**: 80 characters

Customer Number: 80 characters

Group: 80 characters

Puncher: 80 characters

Draftsman: 80 characters

#### Design Name: The

design name is filled
in a separate
dialogue. 80
characters are
possible.

	<u> </u>
ОК	Cancel

**Version**: this field is for a specific description regarding this design version, e. g. how it is different from the main design.

Date: the date of creation and the last alteration date are shown.

**Existing Data**: here, the existing data components of the design (picture, drawing and reference data) are itemized.

**Tags:** It is possible to create up to 10 tags for each design. Purpose is to describe the design more accurately, to be able to find it again more easily with the filter function. Hence, you can search specifically for designs with particular tags.

Click into the corresponding field and enter the tag. With button *Overtake tag to selection*, the current tag will be taken over into the list of tags. The list folds up when you click on the arrow on the right beside it.



*Tag Management* opens a further dialogue with which you can manage your tag list. *Apply* changes the word edited above in the list. *New Tag* prepares the input of a new word. With Overtake it will be set at the end of the list. *Set Tag to Position* moves the tag to the required position so that it is found on a better place, and has not to be scrolled. *Delete tag* deletes the currently marked entry from the list.



## Notice: 255 characters

#### Basic Material: 255 characters

Please enter a line break in notices and basic material with [Ctrl] + [Return].

### Data List Assistant:

With this dialog, you can simplify the filling for the design-head like Customer, Group, Tags and Base material. For this you must first create the default lists using the dialogues customer management, group management, tag management and basic materials management.

Setup ass	litent							
Custome	r / Customer number							
	Customer ZSX	- 🔳	ZSK	GiS				
Custom	ernumber	•	10	20				
		_						
Group								
	Group Prg 14	- 🔳	Sequin	Repeat	Сар	Shoe	T-Shirt	
Group								
	Tag 1	- 🔳	Animals	Cars	Children	Flowers		
	Tag 2	- 0						
	Tag 3	- 0						
	Teg 4	• •						
	Teg 5	- <u>-</u> <u>-</u>						
	Teg 6							
	Teg 7							
	Tag /	<u> </u>						
	lag 8	· <u> </u>						
	Tag 9	- <u> </u>						
	Tag 10	- <u> </u>						
Base ma	terial							
			Jersey	Pikee	Leather	Wool	Organza	Cord
			Polo					
Edi	3/79	Cut	stomer management	Group management	Organized tags	Base material management	Help	OK Cancel
C Setup A	Assistent automatically at	new designs						
Auto co	omplete							

In the left column of this dialog, choose from the drop-down list the desired entry. The little dustbin next to it will delete the entry. More easy is it by clicking of one of the programmable fields. To give each tag an entry use the button *Edit*. For each field appears a dropdown list. Now you can place field by field your entries for the particular tag. By clicking again *Edit* the programming mode is switched off again.

- Setup Assistant automatically at new design: The Data List Assistant will start automatically when a new design will be called up.
- *Auto complete*: While you are writing in a field already existing words will appear to fill the field automatically.

## **Customer Management:**

In the customer management, you can create a list of your customers.

Customer manage	ement					
No. Customer	Customer No.					
1 GiS	20					
2 ZSK	10	0/79				
		Apply				
		New customer				
		Sort customer (A - Z)				
		Sort customer No.				
		Set customer on position				
		Delete customer				
		Help				
		ОК				
	• III	Cancel				
Central parameter management						

To enter a new customer select the button *New customer*. Write the customer name and confirm with [Enter]. Automatically you will be in the customer number field. After you have given the number, another [Enter] accepts the entries in the list.

<u>Note</u>: If you want to change the entry please switch off the button:

#### New customer

Choose the customer with a double click and change the entry.

Sort customer (A - Z) or Sort customer No. sorts the list by A to Z or by number. If you do not want to sort alphabetically, you can put customers frequently used, to the top of your list.

To do so switch off *Sort customer* (A - Z) or *Sort customer No* and select *Set customer on position* and choose the new position for the list.

Delete customer will delete the selected customer.

#### Group Management, Tag Management and Base Material Management

Using the following Dialogs will be the same as it is described in the customer management. See also central parameter management page 26.

Group management	×	Base maetrial management	X
No. Group 1 Cap 2 Repeat 3 Sequin 4 Shoe 5 T-Shirt	D/79       Apply       New group       Sort groups (A - 2)       Set group on position       Delete group	No. Base material Cord 2 Jersey 3 Leather 4 Organza 5 Pikee 6 Polo 7 Wool	0/79 Take over New base material Sort base material (A- Z) Set base meterial on position Delete base meterial
	Help		Help
	ОК		ОК
<→	Cancel		Cancel
Central parameter m	nanagement	Central paramete	r management

## Size of Design

**Drawing:** In the preview, the drawing is depicted. The sizes of the designs also refer to the drawing.

**Punch**: In the preview, the stitch data are depicted. The start and end point are marked by green (start point) and red (end point) crosshairs.

**Values**: For the drawing respectively punch data, the width and height of the design are specified. In addition, the spacings with reference to the start respectively end point are shown, and the spacing start point – end point for the X and Y axis respectively.

**Measuring Unit**: The measuring unit can be switched between millimeters, centimeters and meters.

**Start / End Point**: This dialogue is fort he definition of the start respectively end point of the design. Depending on the setting, a spring stitch is included in the beginning respectively the end for the adjusted start respectively end position. In case *Additional movement* is selected, an additional movement is included at the beginning respectively end during the stitch edit.

If *Change to start needle* is activated, there is a change back to the starting needle at the end of the design.

With this function, the manual setting of the special functions 60 to 62 becomes unnecessary. The start respectively end point is calculated anew upon each saving process.

Set start / endpoint								
Start point O original	End point original on start point							
• — • — •	••							
• • •	• • •							
• • • • • • •								
0.00 ×	0.00 ×							
Design end								
	OK Cancel							

#### SF-Histogram:

In this dialogue, you can see the number of used special funcitons and their chronological sequence.

Ised special functions		SF	Sftype	State	Stitch no.	
s     s	eperature 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	1 2 3 4 5 6 7 8 9 9 10 11 12 3 14	Thread timming Thread timming Needle change Seguin digt Berger and the seguing Thread timming Needle change Seguin digt Seguin digt Needle change Jump ditch to start point	Needle 1 Cn Gr Needle 1 Needle 1 Cn Cr Needle 2	0055 2033 2044 2046 2046 2046 2046 2046 2046 2046	
🚺 🗟 Loop					ОК	Cancel

You can define with the filter function which special functions shall be shown.

### Statistics:

The statistics function is in the design head now.

The possibilities for calculation of the statistical values have been extended.

The applied special functions are listed in the upper area. Below that are listed the number of boring stitches, sequins and consumption length of the W-head.

In order to calculate the usage of yarn, the following parameters can be set.

Arrange according to colours: Each colour is listed separately.

*Number of repetitions*: Here, please indicate the multiplier. Any usage will be multiplied by this value.

*List according to head groups*: You can define the head group with a design with head selection. In case several heads are needed for running a design, please enter here the first and last head of the group. The list of results summarizes the yarn usage of the colours of this head group.

) esign rumb	N 00-001-001.00	1						
Design nam	e Glaces Palletie							
Marrie	-							
V 61140	*							
d special fun	ctions							
- a-			0					
0			Ne					
5			4					
énis -								
	-	-	-					
g slitche	• •		•					
0	0 0	99	0	0.00		0.00		
	La Lb	Ra	Fb	м		м		
rad usage in	reations						Parameters for thread calcu	lation
de No.	Colour marking	65	Stitches	Net	Thread	Bobin	Arange according to or	Nour
0		0	2630	12.77	12.77	12.77	C List according to head g	20101
0		0	4	0.00	0.00	0.00	1 Number of court in	- N
0		0	4288	18.57	18.57	18.57		
1159	helgeb	-43	D	0.00	0.00	0.00	1 1 Hest	
1001	MB01	40	0	0.00	0.00	0.00	1 Calculation for this	head
1080	pink.	-43	D	0.00	0.00	0.00	Factor signag	Factor step stitch
1037	NO.	-43	D	0.00	0.00	0.00	100 Denad latter	100 Threadfactor
1100	gaven	40	0	0.00	0.00	0.00		
1056	helbrauh	40	0	0.00	0.00	0.00	1.00 Bobin factor	1.00 Bobin factor
1158	ballin	40	0	0.00	0.00	0.00		
1122	THE REAL	40	0	0.00	0.00	0.00		
1321	Note:	40	0	0.00	0.00	0.00		
1300	and many	40	0	0.00	0.00	0.00		
1220	N. Dav.	40	0	0.00	0.00	0.00		
10/6	CADO	40	0	0.00	0.00	0.00		
1282	Drown by steel	41	0	0.00	0.00	0.00		

*Calculation for this head*: You can also have specifically calculated the usage of yarn for a design with head selection. The option *Arrange according to colours* must be active.

Factors for satin respectively lock stitch:

The set factors are applied to the net length. As from ECPwin version 6.0, there is a difference between satin stitch and lock stitch. For the case that the inclusion angle between two stitches is smaller than 30 degrees, the stitch is classified as satin stitch.

## Needle Colours

Needles: By clicking on a colour, you change into the colour definition. Here, you can mix the colours, or determine it from a colour table of a yarn producer. For this, the option "Use colour tables" must be selected.

With button >> 17.32 you switch to the other needle level.

Colour collection: As from now, you can create for each design up to 6 colour collections.

#### Needle / Stop assignment:

With this feature, you can set very easily the colour assignment in your design. The actual design part is selected in the list and will be marked (in the middle of



the Design part list) in a red frame.

Above that is the predecessor, behind the successor.

In the overview, the design part is depending on the display mode, highlighted (left button). When selecting a new needle (colour), the referring design part will get a new colour and will appear as a New needle in the list.

The next design part is automatically selected.

Left side below you can replace the needle assignment in the design.

If you want to change needle "5" into needle "7" throughout the whole design enter in the top field "5".

In the bottom field enter number "7" and to confirm the change use the button *Exchange Needle*.

In the list you can see the new assignment.

All changes you have done in the Needle / Stop assignment will be performed with the OK button.

*Cancel* will reject the changes.

#### **Sequins**

The sequin definition has been taken over from version 5.x.

Definition of sequin device	25			
Device left	Device right			
🔽 Twin sequin	🔽 Twin sequin			
Tape b (upper)	Tape b (upper)			
Sequin type	Sequin type			
Sequin colour	Sequin colour			
50 % Sequin size	50 No Sequin size			
pecial sequin types tape b (uppe	pecial sequin types tape b (uppe			
-Tape a (lower)	Tape a (lower)			
Sequin type	Sequin type			
Sequin colour	Sequin colour			
50 50 Sequin size	50 Ho Sequin size			
pecial sequin types tape a (lowe	pecial sequin types tape a (lowe			
Exchange parameters				
Exchange tape a / b	Exchange tape a / b			
Exchange de	vice left/right			
	OK Cancel			

#### Start conditions

Here, in this area you define the special functions status which shall apply at the start of a design.

Start needle: The design begins with this needle.

Max. stitch length: This value indicates how long a stitch can be maximally. Longer stitches are divided and edited as spring stitches.

Rpm: The machine begins with this revolution number.

Head selection: The machine activates the selected head selection.

Type of head: The machine activates the selected type of head.

#### **Design Directory**

Normally, a design is saved in the design directory from which it was opened, a new design will be saved in the currently set design directory.

For the case that a design is to be saved in another directory, the button *Change design directory* offers the possibility to choose another organized directory. From then on, the design is saved in the new directory. The old version of the design is retained in the previous directory.

#### Print

The printout of the meta data is carried out with this function.

## Machine Data

#### Type of machine:

Machine parameters											8
Machine parameters	Machine list										
Machine name	<ul> <li>ZSK machine list</li> </ul>	C Ow	n machine list								
Machine type Standard machine	Insert new moc	hine	Overwrite r	nachin	0	)elete mai	chine from li	st			
Machine series	Machine name	Repeat	Max Verfahrweg	Stickfeldtiete	FHea	Needl	WHea	Zuführ	K.Hea	Needl	· ·
- Normal head	- SGFA-0112-1300	1300.00	1300	1400	1	12	0	0	0	0	
No. otheods 0 1n	SGFA-0412-480 SGFA-0609-300 D	480.00 300.00	480 600	1000	4 6	12 9	0	0	0	0	=
No. of needles per head 0 1n	SGFA-1206-24/4 Q MCFB 0612-600	162.42 600.00	650 600	1400 700	12 6	6 12	0	0	0	0	
-W-Head	MOFB 0612-600	600.00	600	1000	6	12	0	0	0	0	
No. of heads 0 1n	MCFB 0809-480	480.00	480	500	8	9	0	0	õ	0	
Zuführungen (Draht) 0 1n	MOFB 0812-480 MOFB 0812-490	480.00	480	500	8	12	0	0	0	0	
KHead	MCFB 0812-480	480.00	480	1000	8	12	0	0	ō	0	
No. of heads 0 1n	MCFB 1009-400 MCFB 1012-400	400.00	400	500	10	9 12	0	0	0	0	
No. of needles per head 0 1n	MCFB 1012-400	400.00	400	700	10	12	ŏ	0	ŏ	0	
- Size	<ul> <li>MCFB 1212-350</li> <li>MCFB 1212-350</li> </ul>	350.00 350.00	350 350	500 700	12 12	12 12	0	0	0	0	
Hepear 0.00 mm	LCFB 1012-480	480.00	480	700	10	12	0	0	0	0	
max. Verfahrweg 0 mm	LCFB 1209-400 LCFB 1209-400	400.00	400	700	12	9	0	0	0	0	
Stickfeldtiefe 0 mm	LCFB 1212-400	400.00	400	500	12	9	0	0	0	0	
	XCFA 1812-350	350.00	350	700	18	12	0	0	ŏ	0	
							Help		OK	] Co	ncel

In version 6.0, more detailed information for the machine is possible. The machine values can be set manually, or taken comfortably from the ZSK machine list. The design head shows type of machine, head distance, travel length and number of heads. These data are needed for designs with head selection. Please enter the additional values in the machine parameter dialogue. Just in case the machine is not in the list, e. g. is an outside product, values can be filled in directly. It is possible to save those in an own machine list provided they are given a machine name. For this, please switch to *Own machine list* and click on *Insert new machine*.

With *Overwrite machine* you modify the records in the list with the changements you have made.

Delete machine from list removes the selected entry from the list.

If you have chosen a Special machine with a W. or K-Head a dialog will appear. Here you can select the starting head type in the design.



23

#### This is followed by the settings for the start stitch type

Start stitch type for W-Head		X
👷 C Cord/braid	Setup machine parameters	Parameters
စာ <mark>န်</mark> င Coil	Setup machine parameters	Parameters
税 🔍 🤄 ZigZag	Setup machine parameters	Parameters
👷 🔿 Stitching	Setup machine parameters	Parameters
		OK Cancel

If you want to set the start parameter for the machine select: *Setup machine parameters* 

This function allows you to set the correct parameters for your production in the EPCwin already.

With a click on the button *Parameters*, the following dialog will appear.

Parameter W-Head stitch type zizag			×
Parameter set	<b>1</b> 35 •	Start angle	90 <mark>.</mark> .
160     1/10     Stroke 1 (Zigzag)       20     1/10     Stroke 1 (Pantograph)	160 ¥io 20 ¥io	Stroke 2 (Zigzag) Stroke 2 (Pantograph)	
0 1n ZigZag design			
🗖 Z axis contrary turn	0 •	Z axis angle	
190 °Z axis contrary turn	100	Parameters	
Value range [1, 100]			
	Load from TC file	Default values	
	Help	OK Cancel	

Now you are able to set the start parameters for your stitch type.

By using the ZSK TC code the set parameters will be written into the stitch data. As soon as you import the stitch data, you can decide if the ZSK machine should use your start parameters or not. If not, the machine will use the actual parameters.

Did you find out the correct parameter by test series on the machine it is possible to write them back into the ZSK TC code.

Back at the EPCwin you can assign the parameters into your starting design for instance.

To do so, open the design and go into the design head. Select *Start stitch type* and than *Parameters*. Use the button *Load from TC file* and select the particular TC file.

## **Undo-Function**

The version 6 now has the so called Undo function which has been requested for a long time (finally  $\odot$ ). You can activate this function in the basic setting under tab *General*. Furthermore, please fill in the number of the saved undo steps. The higher the number, the more memory space is occupied in RAM by this function. With a well equipped PC having 8GB RAM, it is possible to adjust the maximally possible steps.

Please note the following with regard to the functionality of the undo respectively redo feature in the EPCwin.

As contrasted to the familiar Windows applications, ECPwin has no menu bar at the upper window border. There, you can activate the undo function by clicking on the appropriate icon. Parallely, as a rule, there is always the possibility to prompt the undo with hot keys[Ctrl] + [Z], respectively the redo with Ctrl] + [Y]. In EPCwin, there is only the hot key function.

A further limitation results from the summary of several modifications within one function (e.g. object editor), after you have left it.

Example: You are situated in punching and move to the object editor with [Backspace]. There, you carry out several modifications. Within the Editor, you can take them back step by step with [Ctrl] + [Z]until the beginning of this object editor function. If you confirm the modifications with [Return], all these modifications are summarized. Therefore, an undo is only possible as a whole. Undo restores the status that existed before the object editor function.

In parallel to the new undo function, there still exists the automatic temporary storage. In so doing, designs are saved in adjustable intervals on the hard disk. By clicking on the life belt in the main menu, you can open an older version of the design.

#### Central parameter management:

You can change the setting of the central parameter management in the basic setting under the tab page working mode.

Central parameter management		X
Path for central parameter man	nagement	
C:\EPC\EPCwin\EpcSystemD	aten\DefaultText	
-Syncronize the following paran	neters with the central parameter managemen	t
🔽 Design pathes	Parameter sets	🗖 Colour table
C ZSK-Pool	Head selection	Machine list
	🗖 Stencils	List of embroidery frames
	Stitch sequences	Tags
		Customer
		Groups
		Base material
		OK Cancel

In the Central Parameter Management you are able to store particular parameters on a file server. For this purpose you determine first the path for the central parameters. Then you select the parameters which should be administered in the CPM. The EPCwin will load all the parameters after a program start. If you do have more than 1 System you are able to access those parameters for your other systems as well. Put in addition with all systems the same path. Check mark the parameters which you want to have synchronized.

Note that every user can change the parameter! Because of this effect it is absolutely necessary to have an arrangement among the users who is allowed to change the parameters in the CPM.

#### Input / Output menu:



The Input/Output menu is now more clearly formed and the orders of the functions are changed too.

<u>ATTENTION</u>: With Version 6 it is not longer possible anymore to import designs from an EPCunix System.

Should you not have imported all your designs from the Unix system until now, it is necessary to do this before you do the upgrade to Version 6.

## Parameter-Backup

Parameter backup	×
Automatically backup	
Path for automatically backup	
C\EPC\EPCwinData\ParameterBackupData	
Lastbackup	
C\EPC\EPCwinData\ParameterBackupData\CM_21002_Version_6	0_Date_2016_06_30_1
	Reload last backup
Manually backup	
Select all	
Etings	😽 🔽 General View
System parameters	📑 🔽 View: Punch editor
Definition of lists	😽 🔽 View: Drawing editor
TrueType-Monogram parameter	
Path for manually backup	
C\EPC\EPCwinData\ParameterBackupData	
Create manually backup	
Reload manually backup	
	Ilose Close

With the help of the parameter backup you can protect all opposed values of the EPC wins. In addition, the EPC will store all 14 days the parameter automatically. The window for this function has been redesigned. In Version 6 it will be distinguished between automatic and manual backup. The top section controls the automatic Backup. Here you can enter the location for the Backup. The button *Reload last Backup* will load the last Backup.

In the lower area you can selectively start a Backup or reload them. In addition, the scope of the Backup can be set. This function can be used when you move the EPCwin to another computer. Appropriately it would make sense to use an USB stick. In this case you have to give the path to the USB stick.

With the button *Create manually Backup* you will store the parameter. After the EPCwin is installed on your  $2^{nd}$  computer you can reload the parameter.

First, select the location on the USB stick and then select the button *Reload manually Backup*. The parameters are stored in a separate sub-path whose name contains CodeMeter number, version and time.

## **Update Mode:**

You will find the Update Mode in Utilities -> System Check. Select the button *Update Check*. The following dialog will appear:

EPCwin update	×
Update mode Don't search for updates. Search for update at every program start. (Recommended) Search for updates every v-days. Search for beta update too. (You need an invitation from ZSK)	Days
Search now for updates	
Your EPOwin is up to date. Last update check: 01.07.2016 15:08	
Download Start download and install Start download only Install now	Help

If your computer is connected to the Internet, you can adjust the EPC so that it will prove if a new version is available. This will happen after every program start automatically.

For this purpose, you can set the update mode. With the first option you switch this function off, if e.g. there is no internet connection or you do not have a Flat rate. The second option will search for update at every program start. The third option will search for updates every X-days. The option 4 and 5 can be used only if ZSK Support prompted you to do so. With option 4 you can join the Beta-testing part.

Option 5 is an individual update and can be set only if ZSK Support advices you.

The button *Search now for updates* will start a search query. If a new version is available it will be displayed accordingly. New features are listed in the text box.

The button *Start download and install* will download the update. After that the EPC will shut down automatically and start the installation routine. An assistant will guide you to install the software properly.

Another possibility is to use the button Start download only.

This option will download the update only on your computer. The installation can be done later with the button *Install now*. Perhaps you don't want to do both the EPCwin will ask you if you want to do it later.

The location to save the update can be set in *default settings -> System paths*. Do you have more than one EPC system, you can set the path e.g. on a file server. The path has to be set in every EPC. If one system run the update it is not necessary to download the software again for the other EPC's. Just make clear which operator will do the update first.

## **Online-Support**

If you have any issues with the EPCwin, the system does have now the ability to connect your computer with the ZSK Support, to make or to show you procedures in certain situations. To be able to have a connection with ZSK Support you have to start the TeamViewer. An Internet connection is definitely necessary.

To use the Team Viewer please go to *Utilities > System check*.

Select Online Support.



The "TeamViewer QuickSupport" starts up. In the dialog you will see your own *ID* and a *Password*. The ZSK Online Support need to know both numbers. This can be done via telephone or e-mail.

One of our Support employee will help you and is connected with your computer.



## New Icons are available.

In the main menu of Version 6 all the icons are revised.

If you still prefer the older icons, you are able to switch them back on. To do so, please go to *Utilities* > Default settings > Display. After you have demarked the New icons, the EPCwin has to be restarted.

## **Recently edited**

In the main menu, beside Design Management, is a new menu item located. *Last edited*. Recently used designs are in this list. Here you are able e.g. to open, export, and print your last design(s).

To copy, move or even delete is in this menu prevented.

In the previous versions, at the same position in the main menu, this function was only for load scanned or imported images.

This is still possible, because all the images which have been imported already are available.

In the left bottom side you will find a button *Import*, which allows you to load all different image files like (jpg, pdf, png)



# **Embroidery Software Partners**

## **ZSK Stickmaschinen GmbH**

Magdeburger Str. 38-40 D-47800 Krefeld Tel: +49 (0) 2151 – 44 40 Fax: +49 (0) 2151 – 44 41 70

atelier@zsk.de

www.zsk.com