GiS NEWS

BasePac 7

Dear Customers,

Since about 3 years BasePac has 6 is established in the market. Meanwhile many of your suggestions have been included and new development has been realized. Again a main challenge was to extend the user-friendliness and stitch quality of BasePac.
Today we want to show you the new parts realized in BasePac 7.
All news and bug fixes can be found in the Internet also, please look at
http://www.gis-net.info/gis2004/embroidery/englisch/Updates-Patches.htm

Enjoy yourselves while reading and testing!

Your GiS-Team

Alphabet Editor: *Extended*

New fonts could be created until now only based on TrueType fonts. Those fonts are converted automatically and need to be adjusted only at few points. Now the additional possibility to create Fonts from scratch is given. This can be based on a scanned image

of a font. The created fonts are used identically to the fonts created from TrueType, so the fonts are scalable and can be used with shortest point connection.
With this it is now possible to create fonts where no TrueType pattern exists.
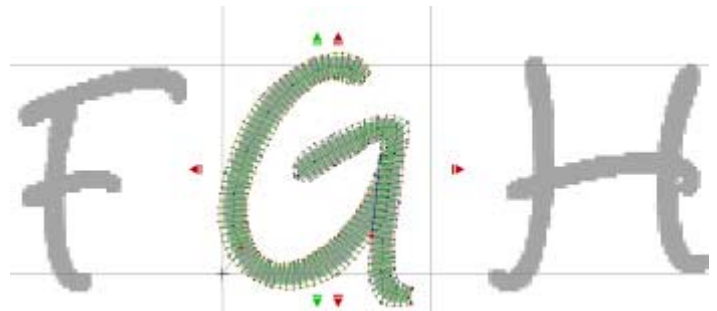
The base line and the upper line are no movable for the complete font to make an overall size correction. The new red buttons are used to distort the letters at one side only. So the adaptation to embroidery specific needs is simplified.
With the new version it is quite simple to copy and paste single contours from one letter to the other to make it simple to extend letters maybe from A to Ä.
The selection of the character to edit using the ASCII table is simplified.

GiS Gesellschaft für Informatik und Steuerungstechnik mbH
Höllochstraße 1   D 73252 Lenningen   Tel.07026-606-0   Fax: 07026-606-66   Email: basepac@gis-net.de
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Lettering: vertical

In text mode now vertical lettering is also possible.

Templates: Optimized user interface

The creation of lettering templates is again optimized.
Now you can choose from three different Template types.
The position of the design or text can be fine adjusted using the arrow keys.
Text on circles can be easily centered.
If defined, the text preview is shown also during seating of the design to the embroidery field.
To reuse optimized text formats, the existing text formats can be selected in the template setting also.

When importing from text file, now automatic formatting can be used. The imported Names can be converted to UPPERCASE or lowercase letters, or an intelligent formatting with only the first letter as Capital is possible.
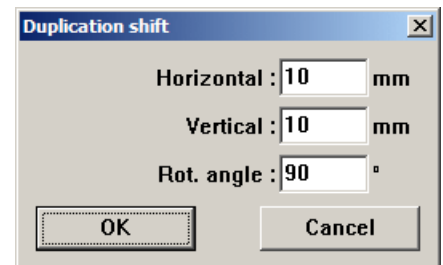

Module mode: Toolbar extended

In the toolbar of the module mode now mirroring and rotation in 90° steps is directly selectable.
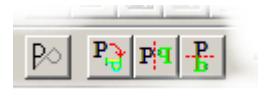
When "Duplicating" blocks now not only the movement, but also the rotation can be given.
With this it is very simple to create rotated repeats.

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Höllochstraße 1   D 73252 Lenningen   Tel.07026-606-0   Fax: 07026-606-66   Email: basepac@gis-net.de
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Module mode: *Center and more*

The centering function is mainly improved and therefore is now a mighty justifying function. Not only centering of blocks, but also justifying to left, right, top or bottom is possible.
The buttons in the Justify dialog show this and make the usage easy. Notify that justifying can be done also at single direction only so maybe all blocks are justified left without changing the vertical position.
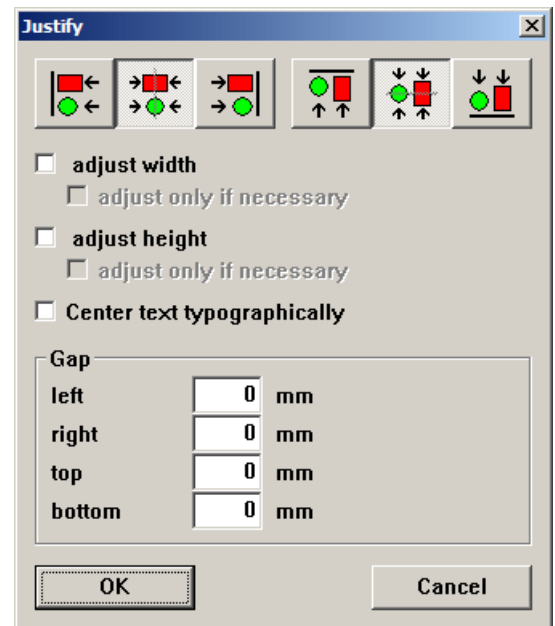
## Stitch view: *Choose sequin shape*
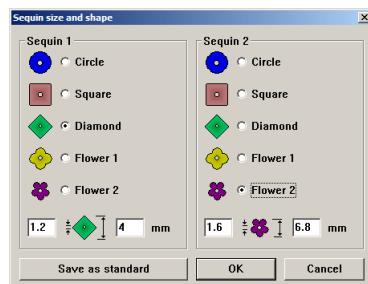
The user can choose from 5 different sequin shapes additionally to the size of the sequins now. With this a much more realistic view of the embroidery can be given.
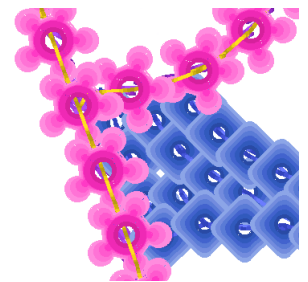
Stitch calculation: *Underlayer optimized*

At structured fill it is freely selectable if the Fill underlay changes its direction with the covering stitches or keeps one constant stitch direction. This has also effect when calculation lettering. It depends on the needs which effect is more suggested.
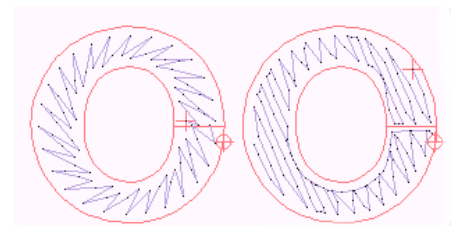
Punch: ACE revaluated

The beginners package BasePac ACE has been revaluated. Now this package allows also the import of vector graphics files (AI, DXF, WMF…) to operate with existing vector data.

Import picture – directly from scanner

For the first time it is now possible to import pictures directly from scanner. Select "Import picture – from scanner" and start the scanning process in the scanner dialog. All scanners with TWAIN compatible driver are supported.

Stitch overlap revised

The stitch overlap at complex fill areas is completely revised and is now working as absolute overlap the same way as at structured fill. Now all automatic fill programs use the number of overlapping lines for giving the overlap.
This simplifies usage and optimizes results.

Move complete curves

Moving complete curves instead of moving each reference point separately, a wish is coming truth. Simply move holes to other places, shift division lines or replace curved stitch direction.

If a hole, a stitch direction line or a division line is needed multiple times, now this curve is duplicated simply by pressing the ALT key during movement. Try this, it simplifies input enormously.

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Höllochstraße 1   D 73252 Lenningen   Tel.07026-606-0   Fax: 07026-606-66   Email: basepac@gis-net.de
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Punch2: *more variety*

Special attention was given to the fill programs. So a number of interesting new functions could be created.

Automatic sequin

Users of sequin devices will appreciate the new automatic sequin function. With this it is very simple to place sequins automatically on lines. The user selects between 6 different stitch types and selects if the sequins are overlapping or not. The intelligent algorithm takes care of the correct direction of the sequin stitches so sequins are never "shot" against the thread laying from needle to fabric. This guarantees perfectly set sequins an a relevant improved production in the machine.
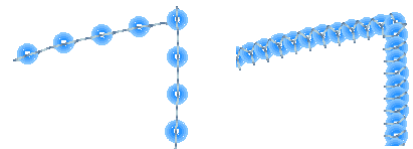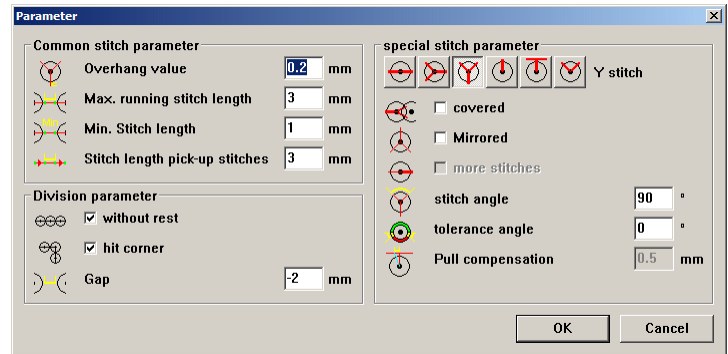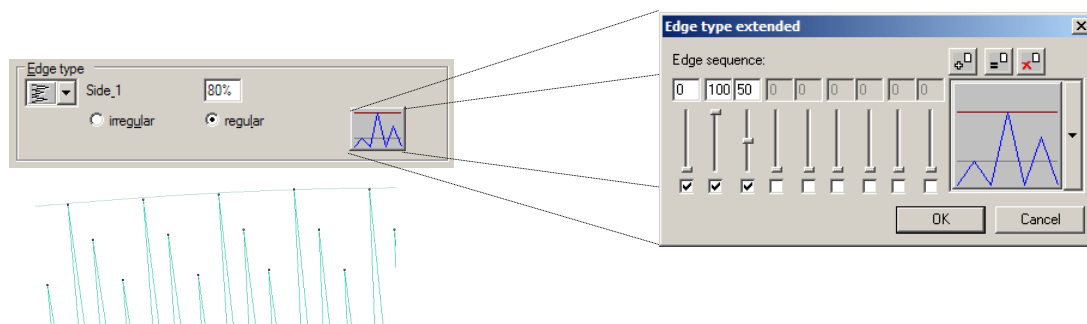

Sequin areas are made in very short time by drawing a bas line (also curved!) and duplicating this on an area. By using these lines in the automatic sequin function a area is fast and first of all individually filled with sequins.
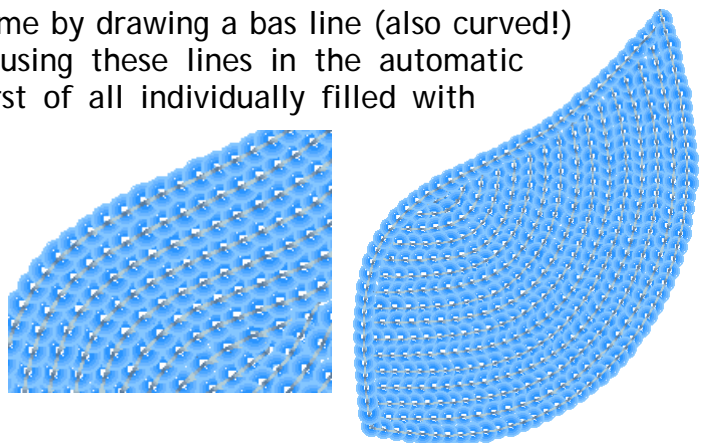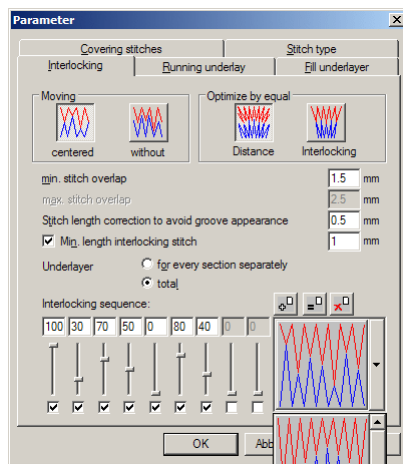

Jagged edge

Until now a jagged edge was always done irregular. Now the alternative was is to use a regular jagged edge.

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Höllochstraße 1   D 73252 Lenningen   Tel.07026-606-0   Fax: 07026-606-66   Email: basepac@gis-net.de
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Interlocking stitch

This new development enables a totally new satin stitch effect, which was only possible with manually punched stitches before. An area is entered in once, but the stitch calculation is done ins several rows as "interlocked" satin stitch. The algoriths takes care, that the interlocking sequence, which is defined by the user, fits exactly together so no gaps occur. The overlap and many other parameters are also selectable.

The result is a very smooth filled area with "lofty" satin character which is not possible with any other technique.
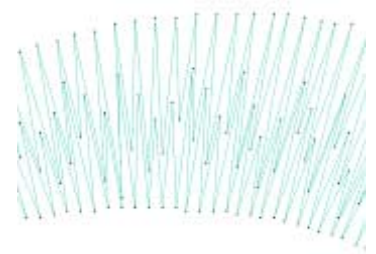
Extended edge types

The already known edge types smooth, obtuse and acute are extended by rounded and obtuse divided.

At the rounded edge multiple small stitches are created so no acute angles occur. This gives respective to large stitch distances nice effects, but is mainly used at technical embroidery when for example coal fibers are embroidered.

The already known obtuse edge type is extended so the stitches along the border are divided by the given stitch length. This prevents from having long stiches specially at steep flanks.
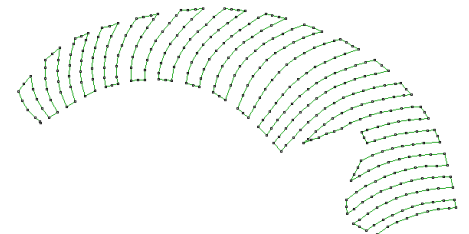
Macro at curved fill

The macro fill program is enhanced, so stitch macros are now used also with curved fill.

This gives very plastically effects.

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Höllochstraße 1   D 73252 Lenningen   Tel.07026-606-0   Fax: 07026-606-66   Email: basepac@gis-net.de
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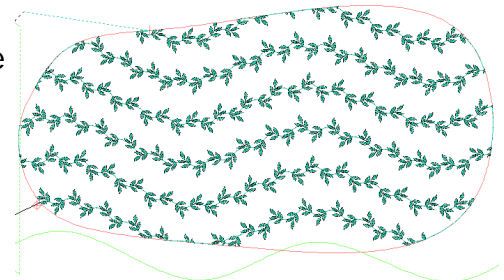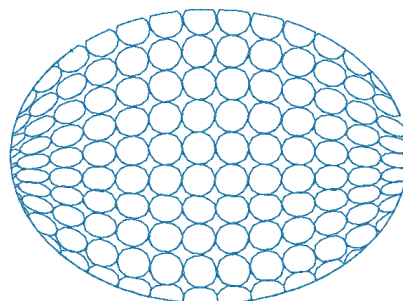
Free machine path: Ringbuffer mode with all kind of machines

It is a well known technique using the Template function to send Names or other Text, also together with designs, to the ringbuffer of a ZSK embroidery machine. The machine embroiders the designs with lettering one after the other; the BasePac does the Calculation and data management automatically.

More and more customers use this outstanding efficient method of working and want to have this also for other brand machines.

The new option „Free machine path" is the solution for these customers.

With this option there is a tool which allows writing the designs to any storage device very easily. The storage device may be a Floppy Disk, a USB-Stick or attached network storage directly on a machine.

The filenames are created automatically.

The following stitch data formats can be chosen:

Tajima DST, Tajima DSZ, Tajima DSB, ZSK TC
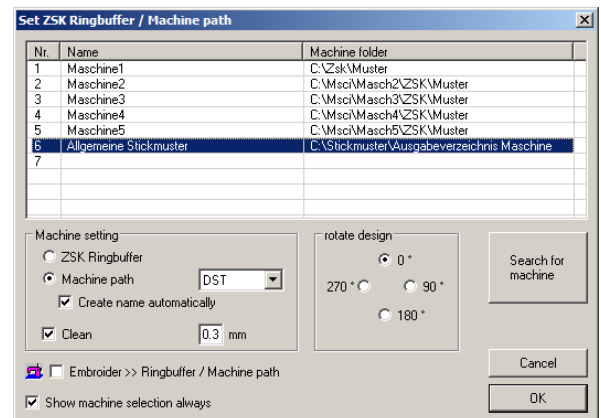
New Software protection with CodeMeter (CM):

BasePac 7 is protected against illegal use with a new protection system, the CodeMeter from WibuSystems. With this we have extended possibilities in license management. As the dongle before, the CM Stick is plugged to the USB-Connector of the computer. The software drivers are automatically installed with BasePac 7. At upgrade from former versions the existing dongle is replaced by CodeMeter.

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Höllochstraße 1   D 73252 Lenningen   Tel.07026-606-0   Fax: 07026-606-66   Email: basepac@gis-net.de
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More news in a few words:

Work space: Now the usage of multiple displays is supported. With this the workspace can be stretched and maybe the toolbars are at one monitor and the other monitor shows the design view. (Only possible if supported by the graphics card)

Rhythm division: Mirrored rhythm can be used now.

Design import: The import of designs is simplified. Using double click to a design in an email or in the Explorer opens the design directly to the editor or stores to design management.

Search in database: During search mode in the database F3 can be used to view the folders where the search criteria are valid.

Handles in module mode: Additional handles are created at the left and right side of the block to slant from this side also.

Automatic correction of special functions: At insert of design parts or during change of the order of embroidery the mainly used special functions like the active needle are automatically corrected and Needle changes are inserted or removed as needed.

Embroidery head selection: The embroidery head selection at ZSK Kombi machines with F- W- and K- heads is now directly selectable in the editor.

Tack and lock stitches: Now the thickness of the letters is taken into account during calculation.

Text format: The maximal text length is now also saved to the text format if used.

Import of vector files: AI (Adobe Illustrator ™©) files up to Version 7 are supported.

Cut lines and stitch direction lines editing: Now also at overlapping areas these lines can be edited.

You will find more changes and bug fixes in the internet under:
http://www.gis-net.info/gis2004/embroidery/englisch/Updates-Patches.htm

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