



## **TRIADEM® StylePlugs: Repeater**

Textile Design PlugIns for Adobe© Photoshop©

**WorkBook**

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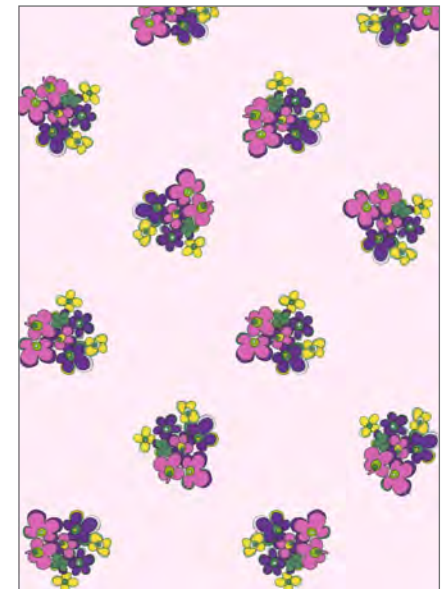
## Repeater V3: Pattern Repeats & All-Overs – Getting Started Guide



This WorkBook is designed to give you a quick start to creating pattern repeats and all-overs with the TRIADDEM Repeater PlugIn. It guides you through the most important steps.

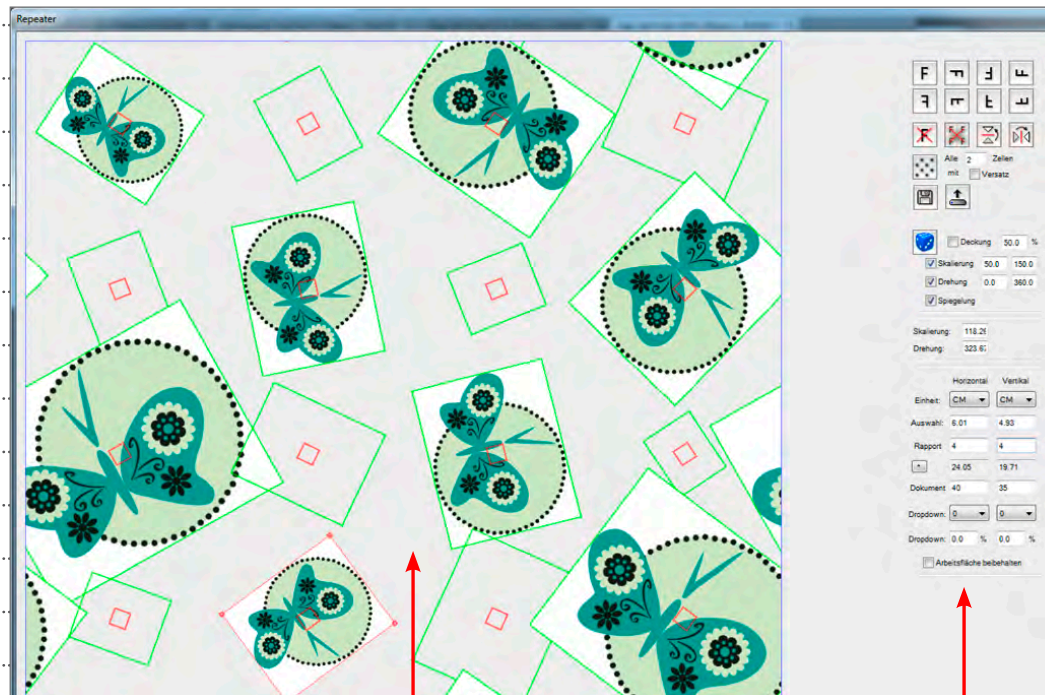
More detailed information as well as installation instructions can be found in the TRIADDEM Repeater V3 handbook.

We wish you a good time working with our software!



## Overview: Repeater

Notes:



Preview of repetition

Settings for repeat and offset

## Creating repeats

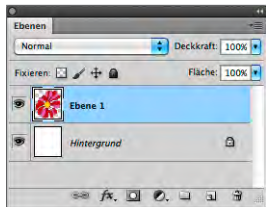
> requires TRIADEM StylePlugs V3: Repeater, Hidden, Wrapper

The Repeater PlugIn aids you in the creation of pattern repeats. The repeat type can be anything from a classic  $\frac{1}{2}$  offset to an all-over.

## Photoshop preparations



1.) Start by opening a picture file in Adobe Photoshop. This can be a scanned image, picture or drawn design. Repeater supports RGB and CMYK color modes.



**Beware:** If you are working with layers, please note WHICH layer is active and that your design is located in the active layer. The Repeater PlugIn works as an automation filter. Filters can only be applied to existing pixels! Transparent areas remain unchanged!

**Note:** Cropped images are repeated cropped as well.

Select menu FILE > AUTOMATE > REPEATER.

## Overview of the repeat modules:

**Repeater:** repeats the design in a simple repeat with a standard offset of your choice: 1/2, 1/4, 1/3... or scatters the design a set number of times within the defined repeat size. You can influence placement, scaling, rotation and mirroring.

**Wrapper:** module for repeat transition

Notes:

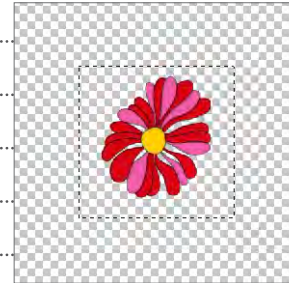
## 1. Creating a pattern repeat with Tiler: standard 1/2 offset



Use the Adobe Photoshop MARQUEE TOOL to mark the area to be repeated.

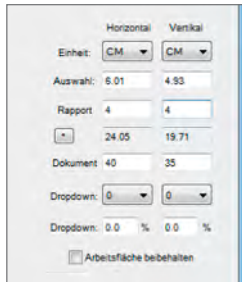
**Beware:** The selection determines the repeat sequence. If you do not make a selection, the whole file will be repeated by Repeater!

Choose menu FILE > AUTOMATE > REPEATER. The Repeater window opens.



## 2. Defining the offset

The pattern repeat parameters are defined on the left side of the Tiler window:



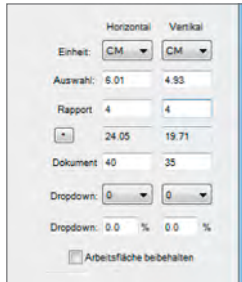
**Unit:** choose the desired unit (cm, inches, pixels...)

**Selection size:** displays the size of your Photoshop file selection. This value is for information purposes only and can't be changed.

**Repeat:** set the number of times the design is to be repeated.

**Beware:** Your file size will grow depending on the image size and the number of repeats. Think very carefully about how often you want your design repeated. Repeater will enlarge the work area of your file to draw the desired number of repeats!

Notes:



**Document:** enter here the desired document size (= repeat size) on which the selected design should be scattered. The document will be cropped to this size when confirming with Ok.

\* - **Button:** calculates the total size of the defined all-over (selection size x number of repeats). You can also enter different values to change the space between motifs. If you enter a value that is larger than the calculated one, you will get more space between the motifs.

**Dropdown popup-menu (standard offset):** choose the desired standard offset from the drop-down menu, e.g. 1/2

**Dropdown (offset):** here you can manually specify the offset as a percentage.

**Keep working area:** check this box to keep the original document size. This is useful when creating a repeat in an existing layout where the size of the layout should remain unchanged. Photoshop will not crop the document.

(Leave unchecked for this example.)

Notes:



The changes made in offset and repeat number are immediately displayed in the repeat preview.

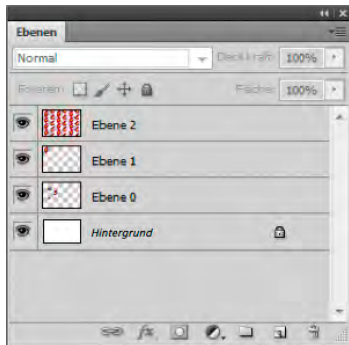
Notes:



Click Ok button to calculate your pattern repeat.

The automation is launched and Photoshop calculates the pattern repeat.

The work area is enlarged accordingly to depict the entire repeat and the resulting file is always cut to create a repeatable sequence.



The repeat will be drawn in a new layer. The original design remains unchanged in the layer underneath. There are 2 new layers:

1.layer: the original design

2.layer: the selected sequence

3.layer: the rendered repeat

As well as all other layers that were previously present.

**Note:** your document will not be cropped, but Photoshop recalculates the canvas size. The original design remains unchanged.

## 1. Creating an all-over



Use the Adobe Photoshop MARQUEE TOOL to select the area to be repeated.

Choose menu File > Automate > Repeater. The Repeater window opens.



Notes:

## 2. Defining the all-over

The all-over repeat parameters are also defined on the right side of the Repeater window.

Set the following parameters for your all-over:

**Repeat:** set the number of times the design is to be repeated.

**Document:** enter here the desired document size on which the selected design should be placed.



> The document size is a bit larger than required and Repeater adds some extra space between the motifs.

> The motifs in this repeat are arranged on every other sequence. Working this way will create all-overs with uniform and constant distribution.

The all-over is repeatable with standard offset. With Repeater you will always get a repeatable document!

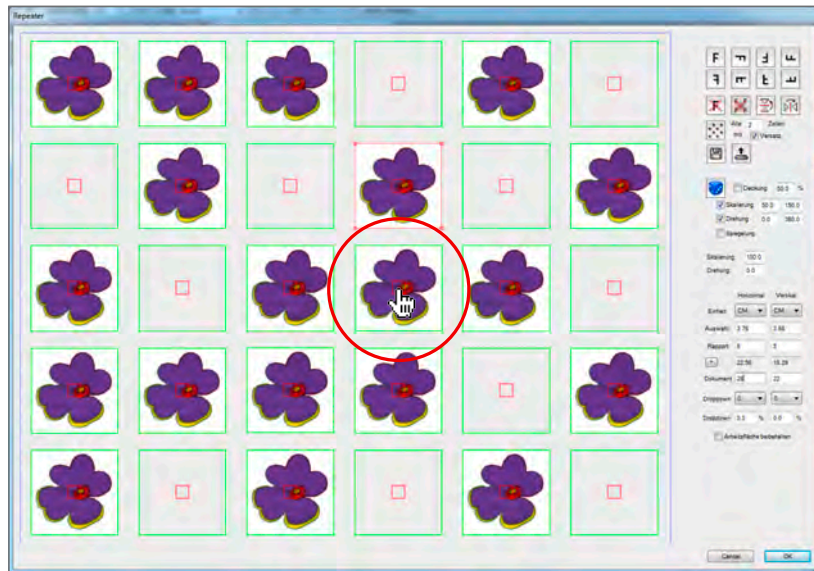
See the following steps to learn more about how you can improve this all-over.



## 6. Set the dispersion

Repeater allows you to change the distribution of the motifs within the all-over. Every sequence can be assembled manually and the orientation be defined. There is also a function to set the allocation more quickly.

### 6.1. Manual dispersion



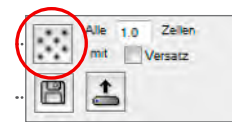
Notes:

Doubleclick on a green frame in the preview to apply a motif.

When double clicking again on a motif, this will be removed from the all-over.

## 6.2. The dispersion function

Use the DISPERSION Button to get an even allocation to your all-over. This function works more quickly and keeps you from clicking on every single sequence to apply motifs.



To apply motifs on every 2nd sequence:

Type in the value '2' and click the DISPERSION Button.

In case you want to work with other frequencies, enter values like 3, 4, 5...

When using the value '1' you will get motifs on every sequence.



Offset: when this option is checked, Repeater applies motifs in alternating order.

The buttons SAVE and OPEN will store the present allocation of the motifs for later use with other motifs.

Notes:

## 7. Standard orientation

Use the STANDARD ORIENTATION buttons to rotate and/or mirror the motifs.

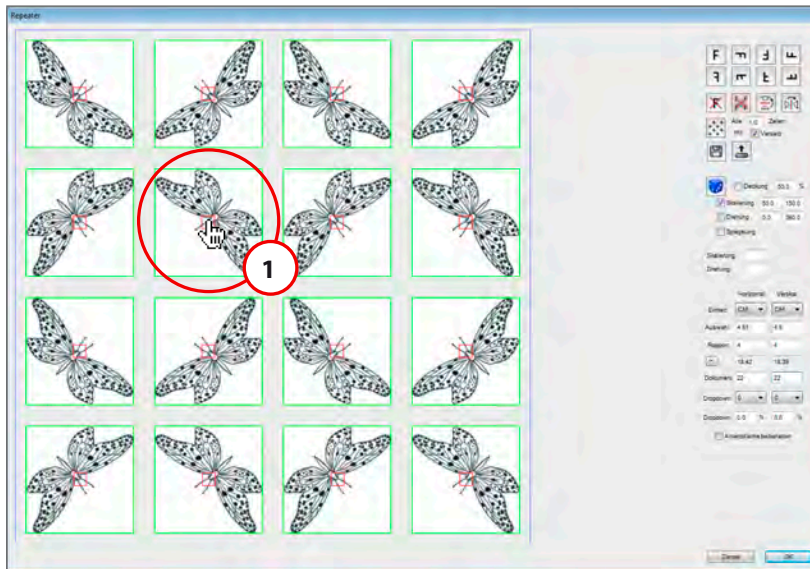


Click on a sequence within the preview (1).

Then select the desired standard orientation (2).



The 'F' in the buttons symbolizes the direction of rotation and mirror.



Use these F-Buttons to delete the ACTIVE motif from the repeat, or to delete ALL motifs from the repeat.



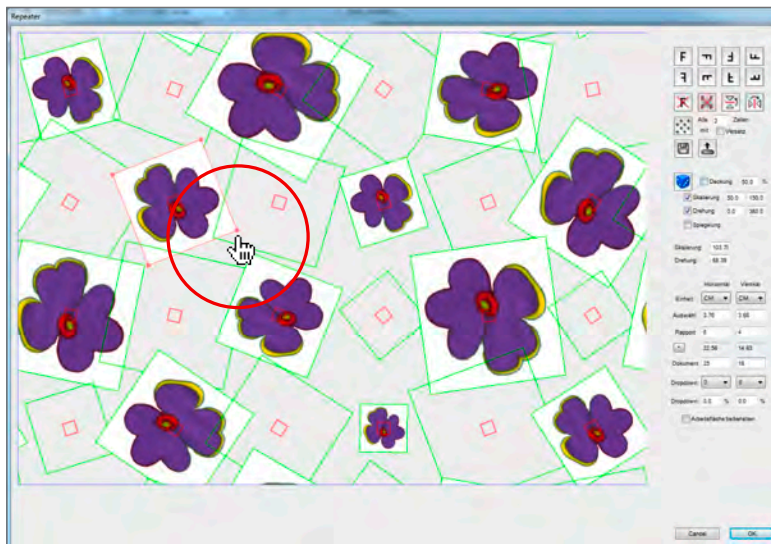
The MIRROR buttons allow you to mirror the active motif vertically or horizontally.

Notes:

## 8. Rotating, scaling, mirroring

With Repeater you can manipulate every motif within the all-over. You can scale and rotate them freehanded.

Notes:



**Note:** all motifs that overlap an edge will appear on the opposite edge to match within the repeat.

The changes made in the all-over are immediately displayed in the preview.

Select the desired motif. The frame will turn red to indicate that motif as active. Now you can perform the following operations:

**Dragging on corner point:** rotating and scaling freehand

**Dragging on corner point + Alt-Key:** ONLY scaling | **Dragging on corner point + Ctrl-Key:** ONLY rotating

**Double click:** apply motif / remove motif

**Dragging the red square (center point):** modifying dropdown

Skalierung:	100.0
Drehung:	0.0

**Enter specific values:** Use this fields to enter a specific value for Scale and Rotation of a motif.



## 9. The random rotation



Repeater also allows for arranging motifs randomly. Click the CUBE button again and again until you are satisfied with the result.

You can set parameters to affect the allocation, scaling, rotating and mirroring of the motifs. These values will be entered in the appropriate boxes:

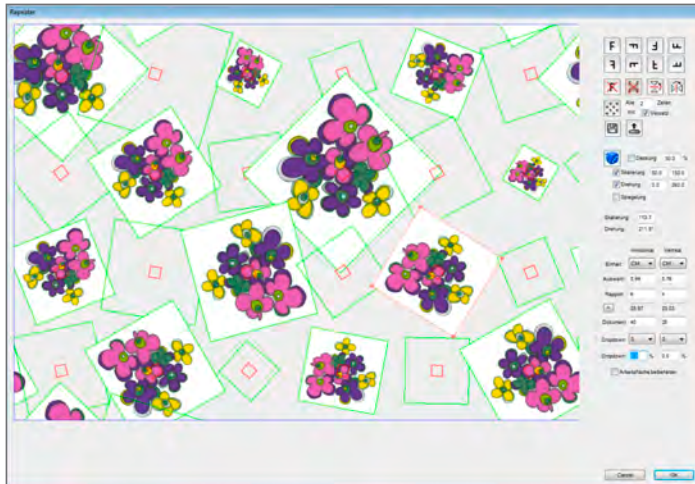


**Allocation:** defines the concentration of motifs in the repeat

**Scale:** defines the minimum and the maximum size of a motif

**Rotate:** defines the range for rotations

**Mirror:** allows for flipping a motif in the repeat



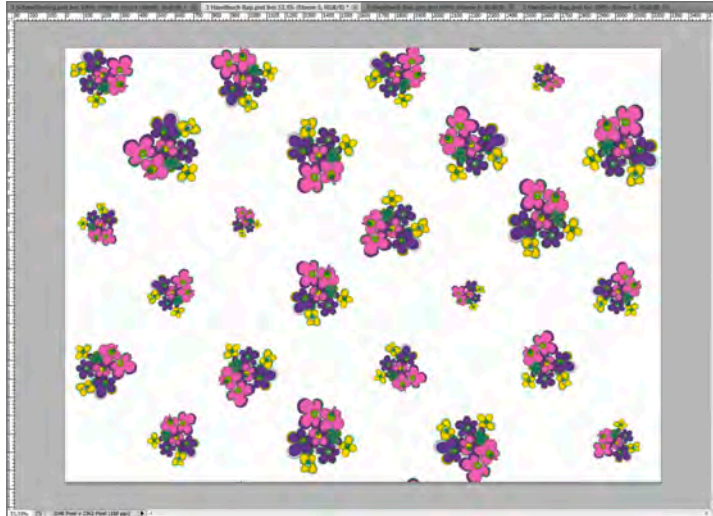
The changes made in the all-over are immediately displayed in the repeat preview.

Notes:

## 10. Drawing the all-over into the Photoshop document

Click the Ok button to calculate your all-over repeat.

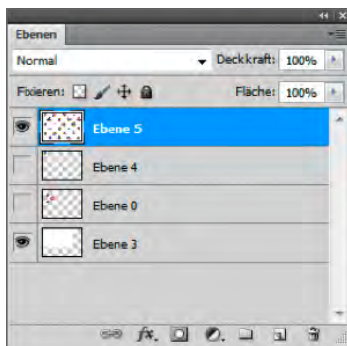
The automation is launched and Photoshop calculates the all-over.



The canvas size is enlarged accordingly to depict the entire all-over and the resulting file is always cropped to create a repeatable sequence.

The All-Over is always repeatable with standard offset.

Notes:



A new layer is added to the Photoshop file including the rendered all-over. The original design remains unchanged in the layer underneath.

There are 2 new layers:

- 1.layer: the original design
- 2.layer: the selected sequence
- 3.layer: the rendered repeat

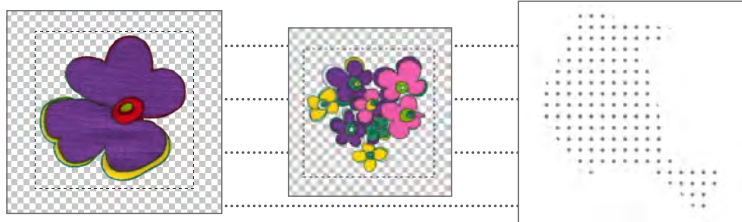
As well as all other layers that were previously present.



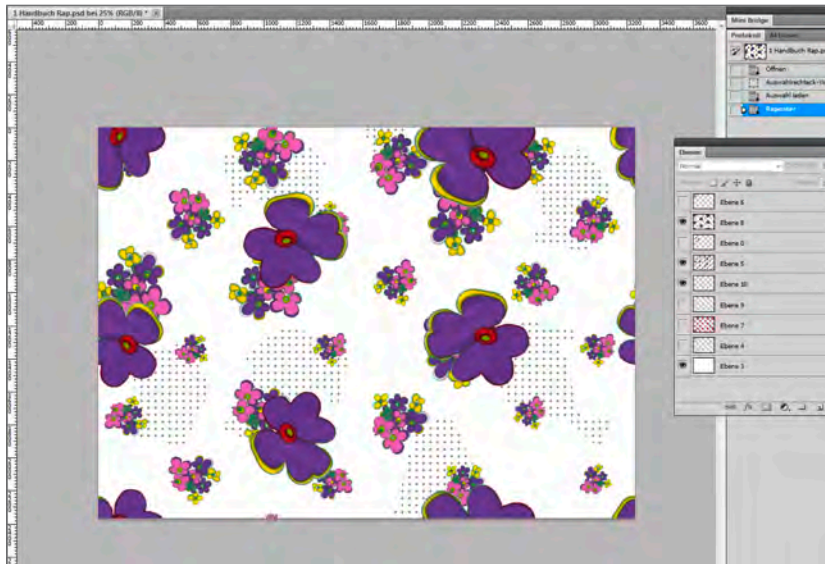
## 11. Multiple repeats

Using Repeater you are able to create more complex repeats involving several layers.

First, you create the single repetitions with Repeater. After that combine all single repeats in a new Photoshop document to create one great repeat. If you use the same document size for all single repeats, you will get a total repeat that is also repeatable in standard offset.



Single motifs to be repeated.



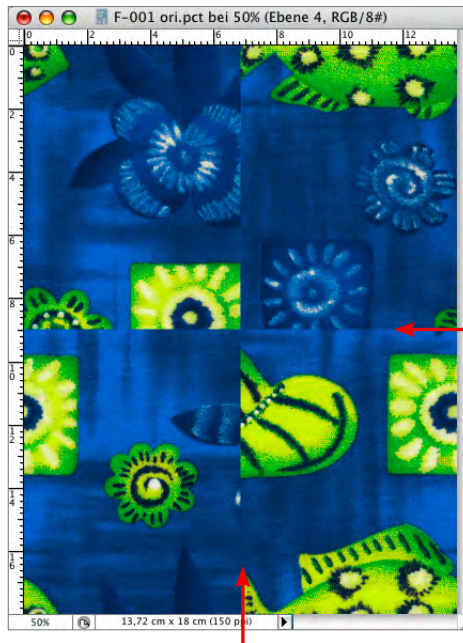
As you can see, you can combine the flexibility of Photoshop and Repeater PlugIn for your creative process!

Have fun working with Repeater!

Notes:

## 6. Wrapper: module for automatic repeat transition

Notes:



Wrapper shifts the view of the repeat sequence, allowing you to view the transitions resulting from standard offsets INSIDE the image. This feature is very useful when editing the edges and transitions of all-overs to make them repeatable. You are working within ONE sequence.

Choose menu FILE > AUTOMATE > WRAPPER

The automation begins.

The 'wrapped' view is added to a new layer, so you can copy pieces from the original view!

You are now viewing the all-over transitions on the inside of the image and can edit them easily.

**Beware:** The outside edges of the image already fit, because they were the originally inside prior to using Wrapper!

Edit the inside edges with the Photoshop tools (drawing, clone stamp, copy and paste...) until the transitions are smooth.

Now you can apply a standard offset pattern repeat.

The design can be returned to the original view by applying Wrapper again.

**Note:** Wrapper is only applied to shown layers (eye symbol). Hidden layers and groups remain unchanged and will not be wrapped!