

Outline Operations in JacqCAD MASTER:

Special Menu: Outline Operations
Overview:

The Outline Operations function gives you tremendous flexibility with the use of outline selections. When a selection has been made, using any combination of selection tools, the outline can be manipulated using the pull down menu under **Special: Outline Operations**.



The outline can be saved and used later during the work on the current file using the pull down menu under **Special: Outline to Memory**. The outlines are saved with the individual .PICT or EXP. file during the current work session in JacqCAD MASTER. Four outlines can be saved.



If you want to save an outline beyond the current work session, it is done through the **File** menu: **save as: outline**.

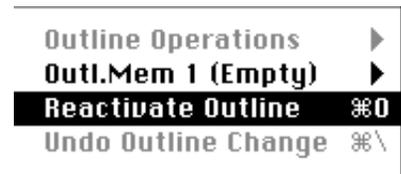
As with all outlines, an outline can be moved by clicking inside its' contours and dragging it to the desired position or using the arrow keys to position the outline. Expanding the outline can be done by holding down the control key and using the arrow keys. Shrinking the outline is done by holding down the option key and using the arrow keys.

An outline does not change the image in any way until a specific command has been given. It remains only an outline, a guide for the anticipated potential action, until you do something with it. This is why there is no undo in the edit menu for an outline. No change has taken place with the image itself. Only the command of what was actually performed on the image can be undone in the Edit menu.

This is the reason for the undo outline change existing in the **Special** menu: **Undo Outline Change**. You can also undo by using the command key with the / backslash key (located under the ? question mark key on the keyboard).



The most recent outline can be reactivated by choosing **Reactivate Outline** in the **Special** menu, or by using the command key with 0 (zero- because command O “Oh”= Open).



This is only available if you have not made any additional outline action. So, if you deselect an outline by clicking outside it while using a selection tool, you have made a newer outline and the Reactivate Outline will not bring back the previous outline. When in doubt, use the pencil or other paint tool to deselect or, better yet, save into memory any outline you may want to retrieve.

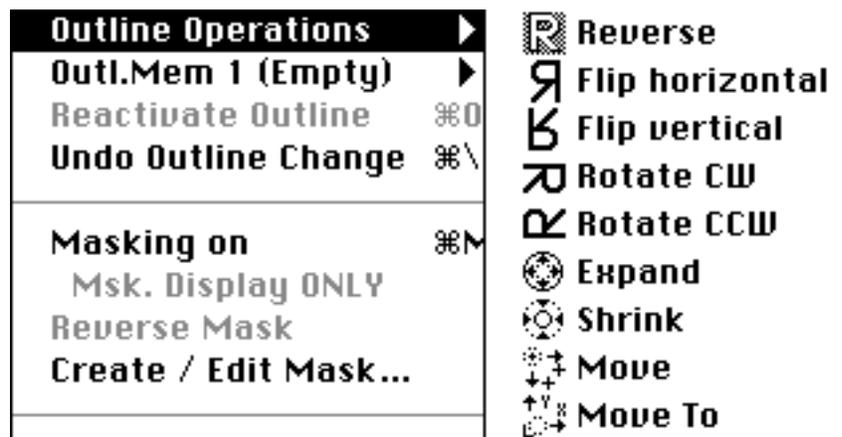
The following functions can be used in conjunction with any active selection outline :

- copy,**
- cut,**
- paste,**
- paint fill,**
- pattern fill,**
- create a boundary,**
- create a gradient,**
- flip,**
- rotate,**
- scale,**
- create/edit mask,**
- custom brush,**
- create a color group.**

Outline Operations:

In Outline Operations, the following can be applied to the current active outline:

- reverse** (invert),
- flip horizontal,**
- flip vertical,**
- rotate clockwise,**
- rotate counter clockwise,**
- expand,**
- shrink,**
- move,**
- move to**



The above functions are available when there is an outline currently active, you pull down to the Outline Operations in the Special Menu and choose any of the above from the pop up menu beside the Outline Operations.

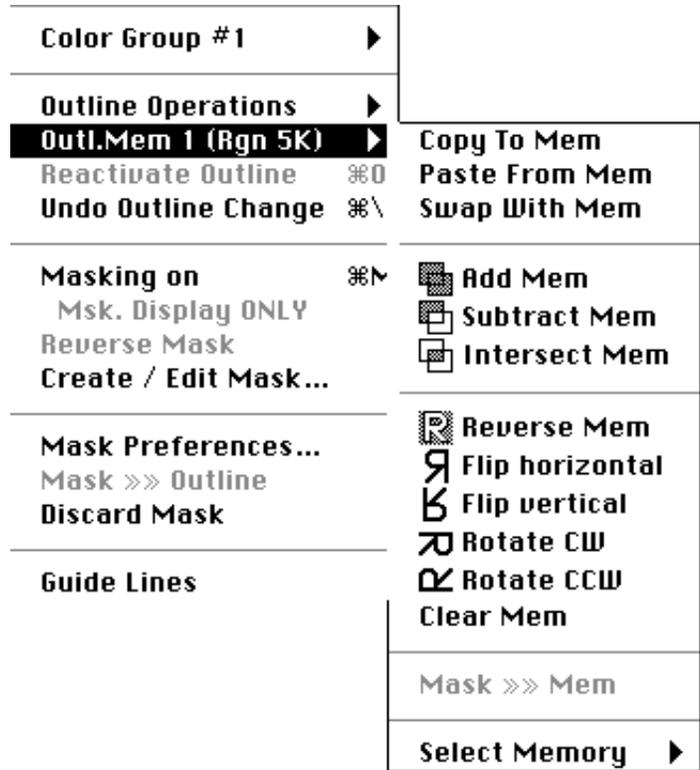
The complexity of an outline is limited 32K, however, when the selection complexity exceeds 16K, instead of an outline the area will become an overlay . The amount of memory required of your current outline is displayed in the results bar at the top of your window, beneath the JacqCAD MASTER menu.

Outline Memory:

The current outline can be **copied** to memory, **pasted** from memory, **swapped** with the current outline in memory.

The current outline can be **added** to the outline in memory, **subtracted** from the outline in memory or **intersected** with the current outline in memory.

The current outline can be **reversed** (inverted), **flipped horizontal**, **flipped vertical**, **rotated clockwise**, **rotated counter clockwise**



The functions above will interact with the currently chosen outline from memory.



Clear Memory clears the current outline in order to make that memory available.

An outline can also be saved directly from a mask.

Select Memory:

Select Memory allows you to designate where the current outline is to be saved. It can be saved as outline #1, #2, #3, or #4. If you do not choose one of these, the current outline will be saved in the same location as the current outline-which will replace the previous outline, if there is one. Next to outline memory in the pull down menu the current outline number is shown (#1, #2, #3, or #4).

