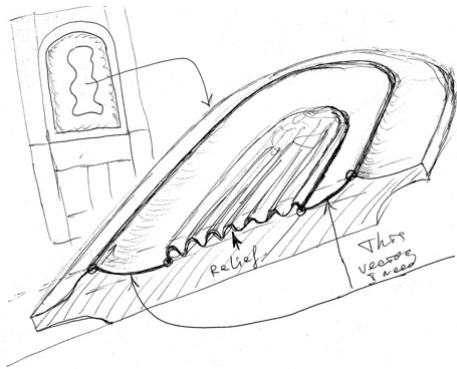


## Create a relief in a Panel



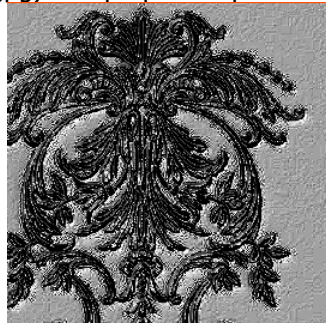
Carve out a relief from a deepen surface. The relief (decor) will be imported from a jpg file.

### Limitations of photo relief gravure.

Please note that conventional photos represent no real relief. In particular portraits (photos of faces) are difficult to convert into usable milling results. With unfavorable lighting (light from the side) this basically fails. Tolerably usable results can only be achieved for selected photos or with their post-processing using a photostyler.

### Step 1

Work up the picture (.jpg) and prepare a 'picture - relief'.



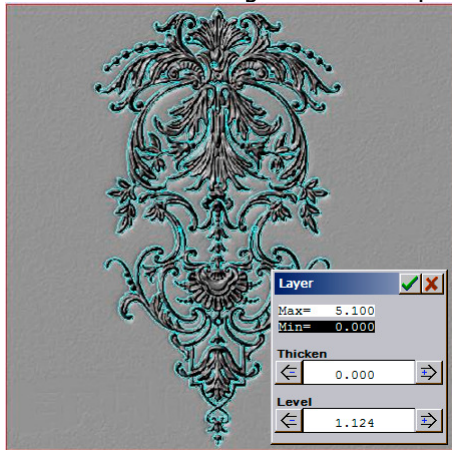
Import the picture by '**Relief . Relief file . Relief import . Photo()**' and select the file '*dekor.jpg*', You'll receive a relief.

The picture surface is rough. Smooth it with '**Relief edit . filter . Approximate**'.

Store the relief for later usage with '**Relief file . Relief save**' into e.g. '*dekor.HRP*'.

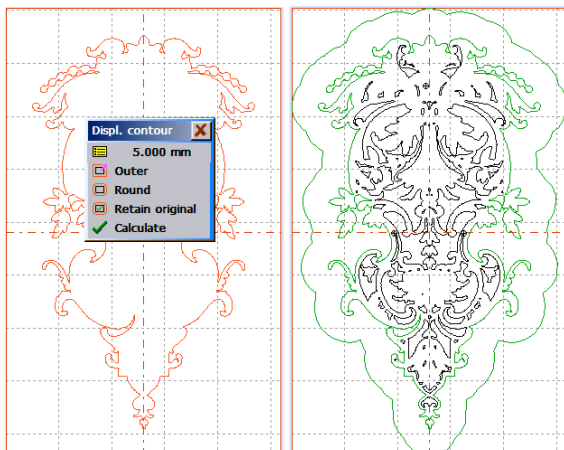
### Step 2

Create an outer margin for the deepen surface.



Get the vectorized border from the relief with '**Relief edit . Layer border . ABSOLUTE**'.

Select a level in the outer area, tune the level to circa 1,1mm and select ok. The border will be marked in the picture with cyan color.



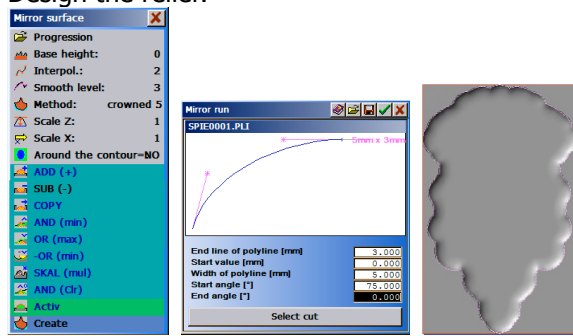
Change the program into the **CAD**.

Select the outer border and relocate it to an own layer (e.g. Layer#2). The inner contours are not necessary in the following.

Calculate the outer border for the relief deepening with '**Operate . Contour Offset**' e.g. *5,0mm*.

Set the work limits new with '**Layout . Limits . Graphic max**'.

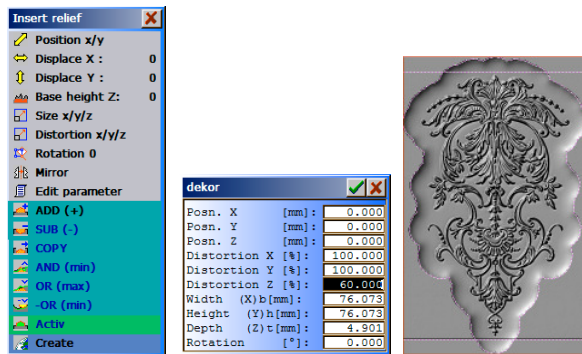
Step 3  
Design the relief.



In CAD **mark** the calculated outer contour and select ReliefVTR.

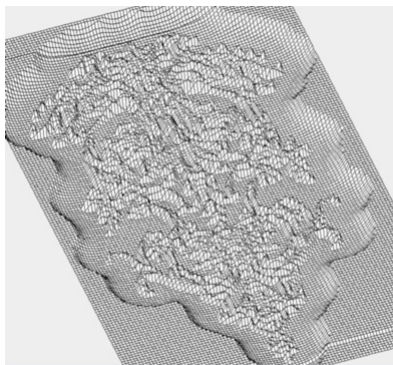
Create an empty relief by '**ReliefVTR . New Relief**' and standard settings.

Create the relief deepening with '**ReliefVTR . Mirror surface**' see left. The progression (surface course) determines the relief depth (End line of polyline = 3,0mm) and the outer course width (Width of polyline = 5,0mm (= Step 2 . Contour offset)). Select '**SUB**' and '**Create**'.



Insert the decor relief with '**ReliefVTR . Insert relief**' and select the file '*dekor.HRP*' (Step 1 . relief save). The relief location remains unchanged.

The stored decor - relief has a z - height of about 5mm, the deepen relief is only 3mm. Therewith the relief is not to height select a relief z - distortion. For this select '**Insert relief . parameter . Distortion Z = 60%**'. Select '**Create**' and receive the complete relief.



For machining create the relief new with the milling resolution. For wooden machining a resolution of 0,1mm mostly is enough. Create the relief new with '**ReliefVTR . New Relief**' + e.g. 0,1mm.