RhinoGold®
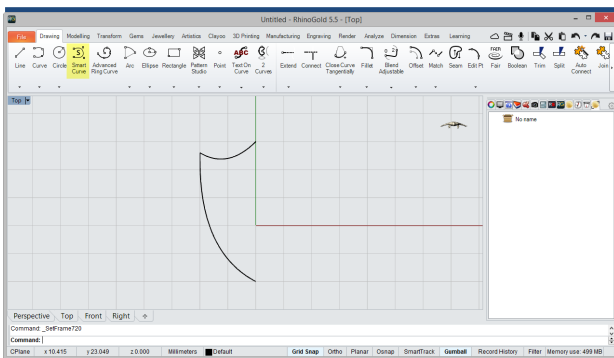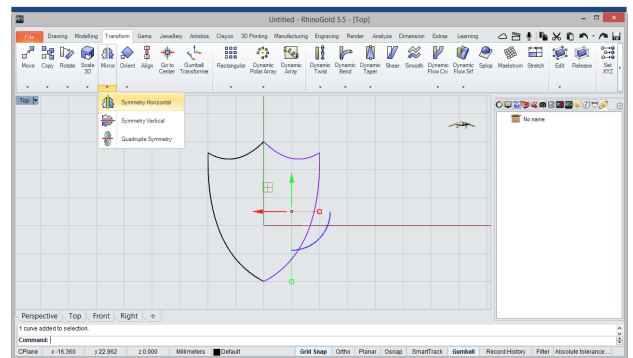

Horse Pendant

In this tutorial we are going to try some of the most useful commands in RhinoGold. Tools such as Extrude, Smart Curve, Dynamic Profile and RhinoEmboss.
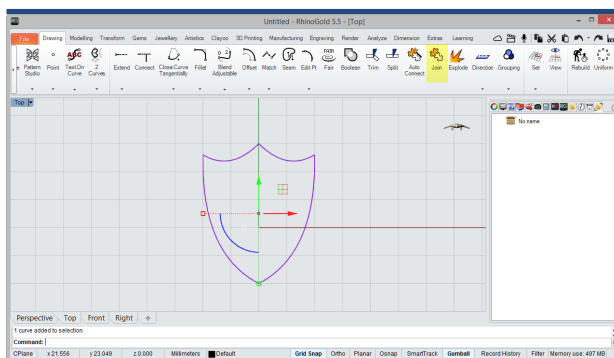

1 Smart Curve

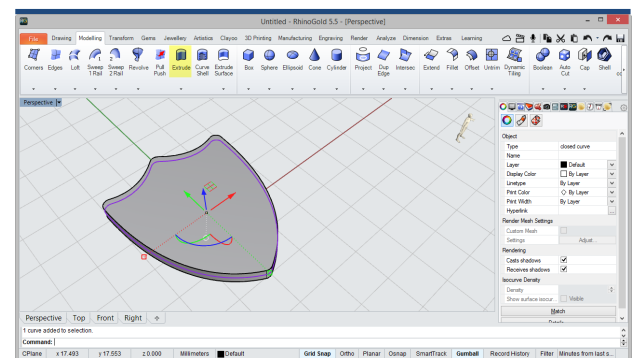First, we'll trace a similar picture curve with the Smart Curve tool, from the top view.

2 Symmetry Horizontal

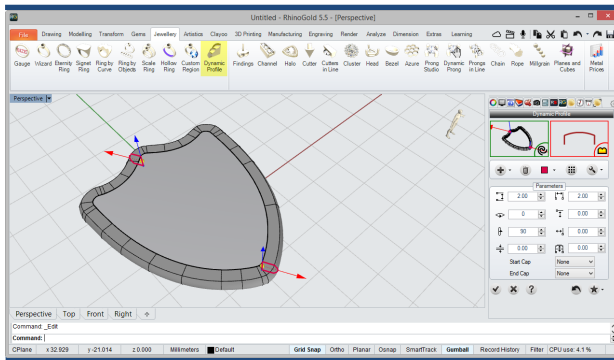Then, we'll apply a symmetry to the curve traced in the previous step, with the Symmetry Horizontal tool.

3 Join

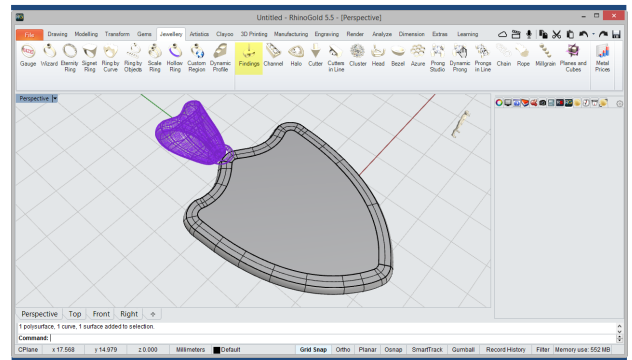Now, we'll apply the Join tool between the two curves, defining a single curve.

4 Extrude

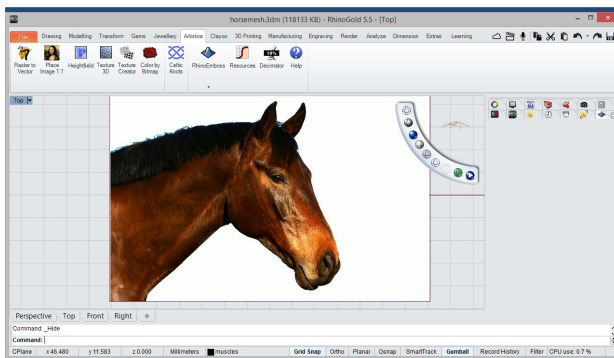In this step, we'll apply a 2mm extrusión to the curve with the Extrude tool.

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5 Dynamic Profile

Then, we'll select the Dynamic Profile tool and apply it to the curve defining a profile of 2mm x 2mm.
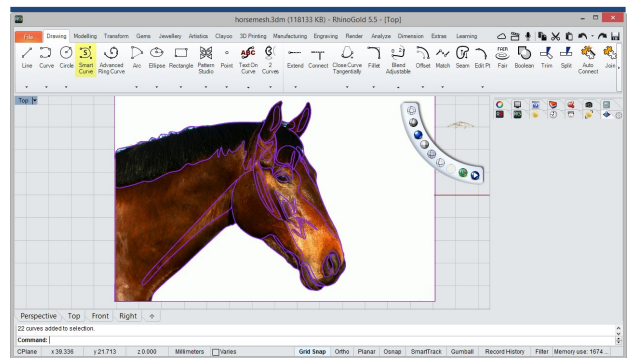

6 Findings

Now, we'll define a pendant finding from the Library of Findings tool. In this case choose the Bail nº1.
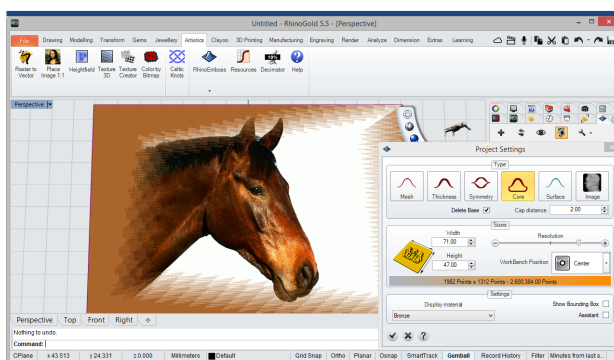

7 Place Image 1:1

In this step, we'll insert the image in the plane with the Place Image tool 1:1.
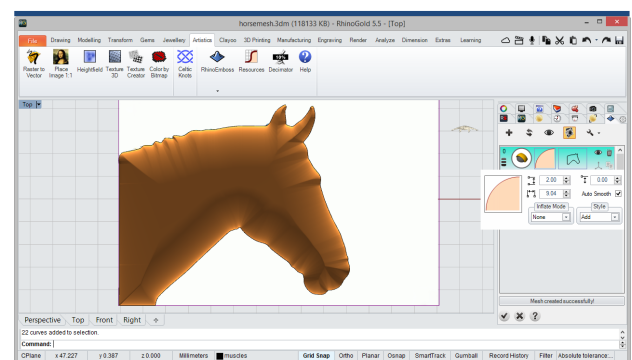

8 Smart Curve

Then, we'll trace the curves we want with the Smart Curve tool.
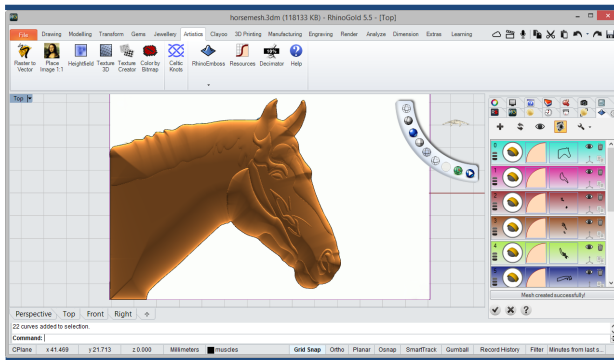

9 RhinoEmboss

Then, we'll open RhinoEmboss from Artistic tab and define the Settings of the project, adjusting the parameters to the image size.
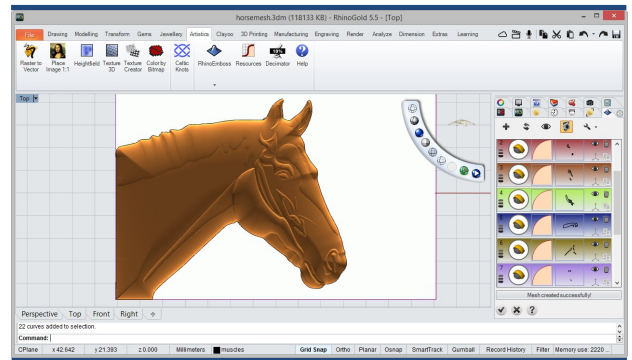

10 Operation: Add

Now, we'll define the first RhinoEmboss operation selecting the profile curve and applying it an add operation to the relief.
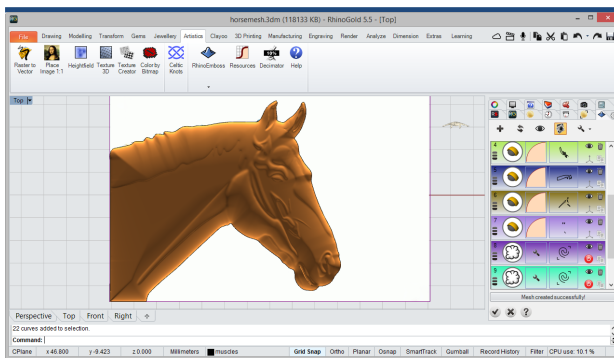
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11 Operation: Add

In this step, select the curves that generate higher reliefs and we'll add it, with the Add operation.
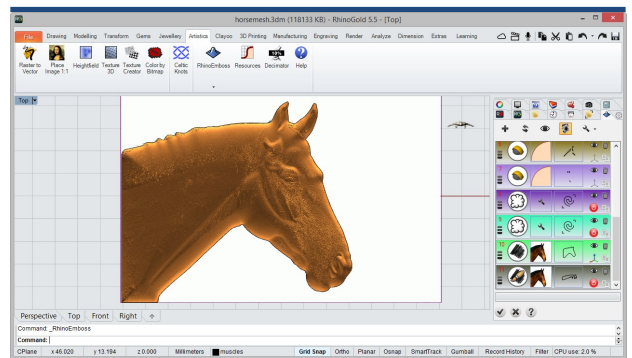

12 Operation: Substract

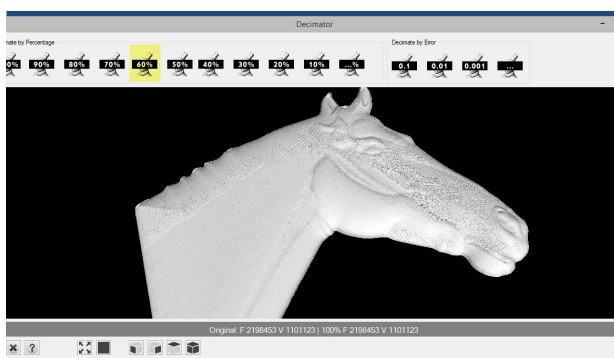Then select the curves that define the grooves and apply them to the Subtract operation.

13 Operation: Smooth

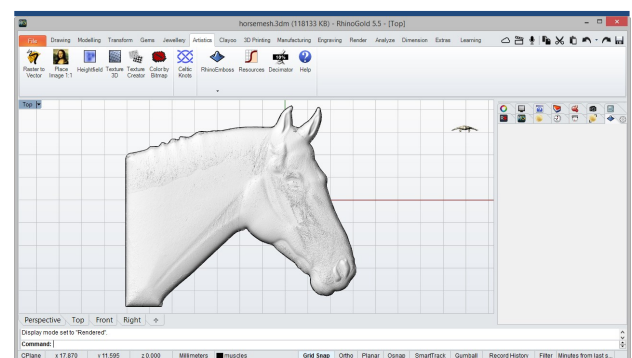Now, we'll apply a smoothing operation to all the relief with the Smooth option.

14 Operation: Carbon Copy

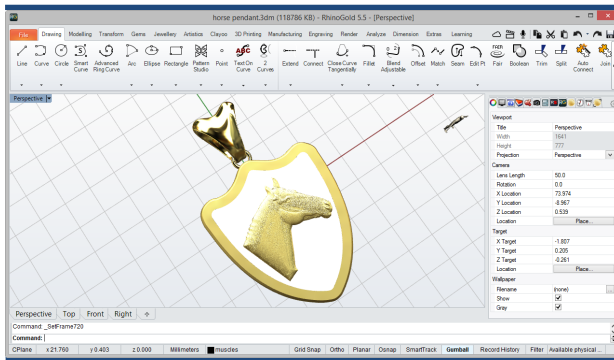In this step, we'll apply the image texture to relief, with the Carbon Copy option.

15 Decimator

Then, we'll validate the RhinoEmboss project and define the mesh with the Decimator, in this case we'll reduce 60%.
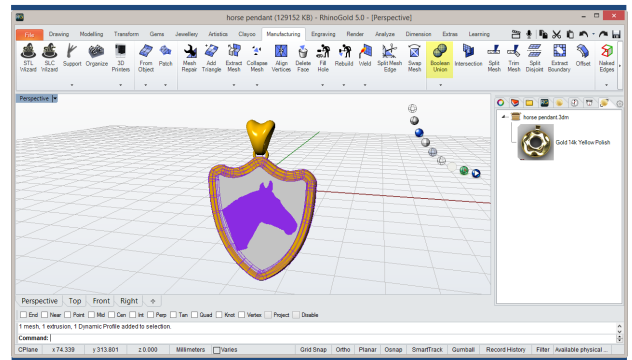

16 Mesh

We will get a closed mesh as shown in the picture.

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17 Move

Now, we'll positioned the RhinoEmboss mesh to the pendant center, we'll help with the Gumball command.

18 Mesh Boolean Union

Finally, We'll join the mesh with the extruded surface using the Boolean Union tool, in the Manufacturing tab.