

# RhinoGold<sup>®</sup>

GoldSmith Studio for Rhino

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## Background

TDM Solutions is a company that provides CAD/CAM solutions to a variety of industries, including the automotive, casts and molds, jewelry, prototype, footwear and general mechanics industries.

TDM Solutions was founded in 2001 and has been an official distributor and training center of Rhinoceros since 2001.

Official distributor of Roland in Spain and Portugal.

Developer of design and manufacturing applications, such as RhinoMold, RhinoNest and RhinoShoe.

## What is RhinoGold?

RhinoGold® is the new plug-in for the Rhinoceros® 4.0 NURBS modeler for Windows.

RhinoGold® makes it possible for jewelry designers and manufacturers to fully modify and manufacture jewelry precisely but quickly without sacrificing a clear and intuitive interface that both simplifies and cuts down learning time.

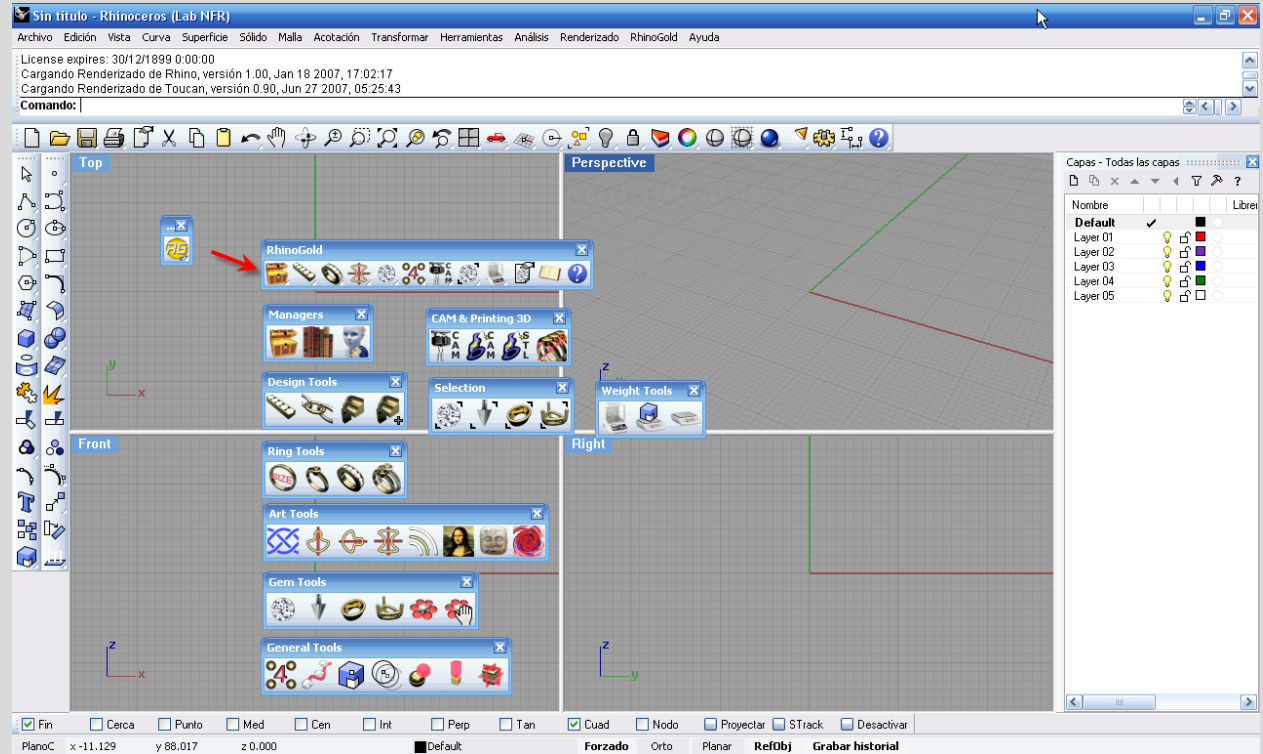


## Two interfaces in one solution

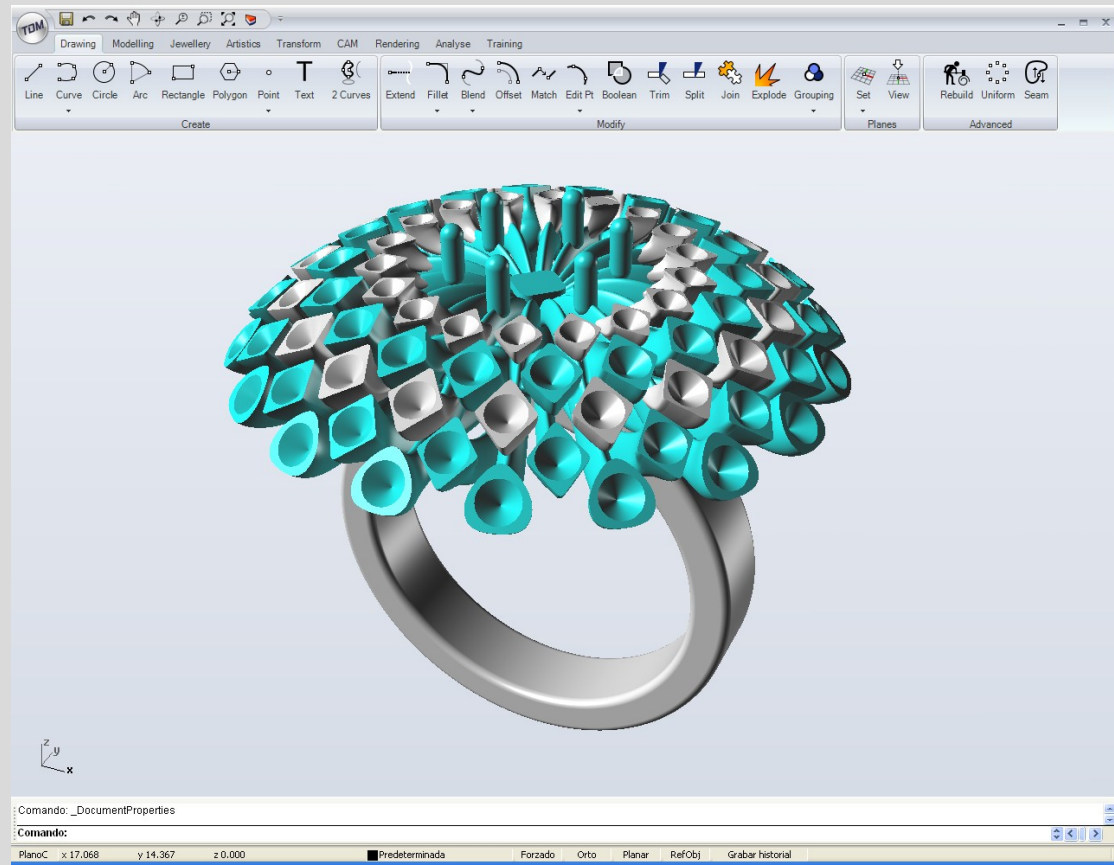
RhinoGold® allows use two interfaces, one for Rhino users and other for new users.



# Rhinoceros Interface

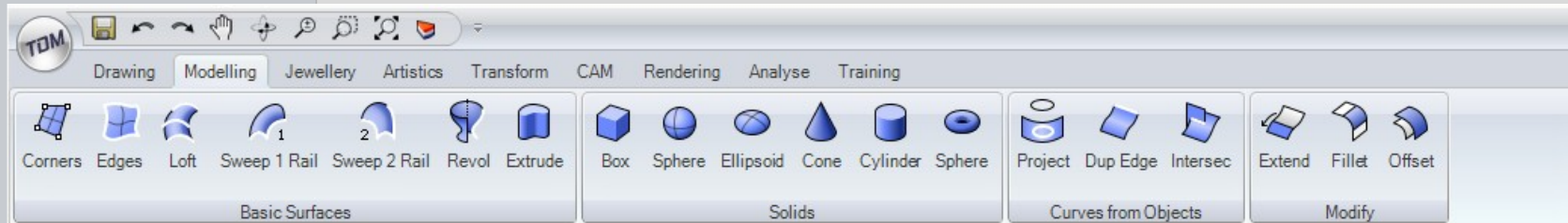


## RhinoGold Interface

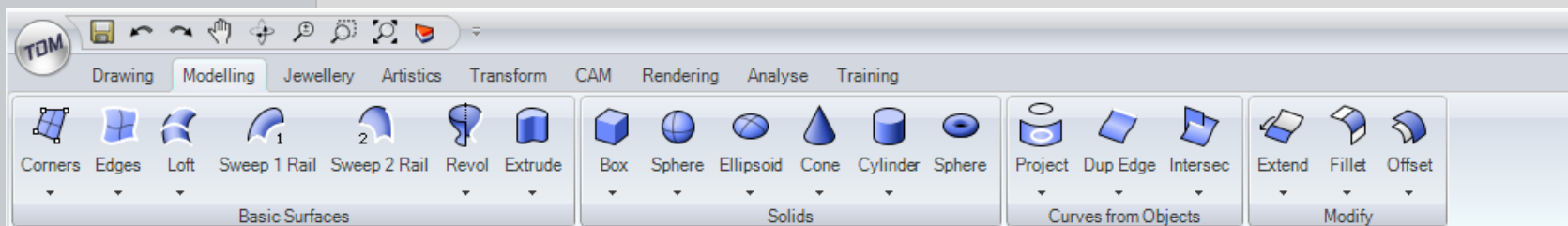


# Adaptable Interface

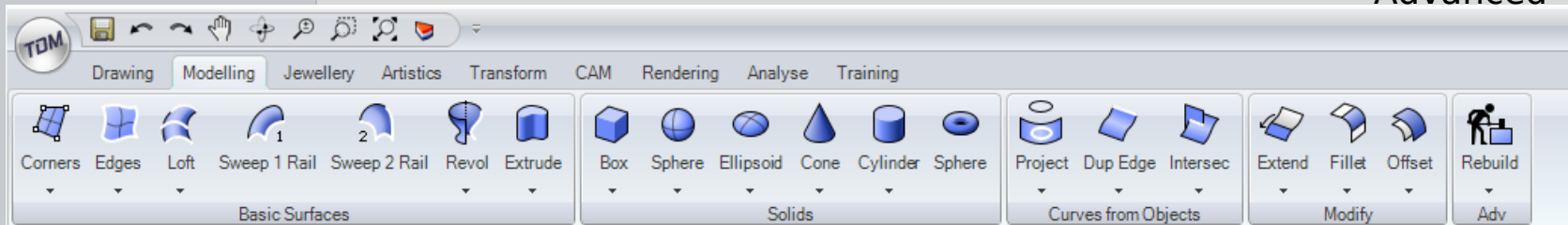
Beginners



Medium

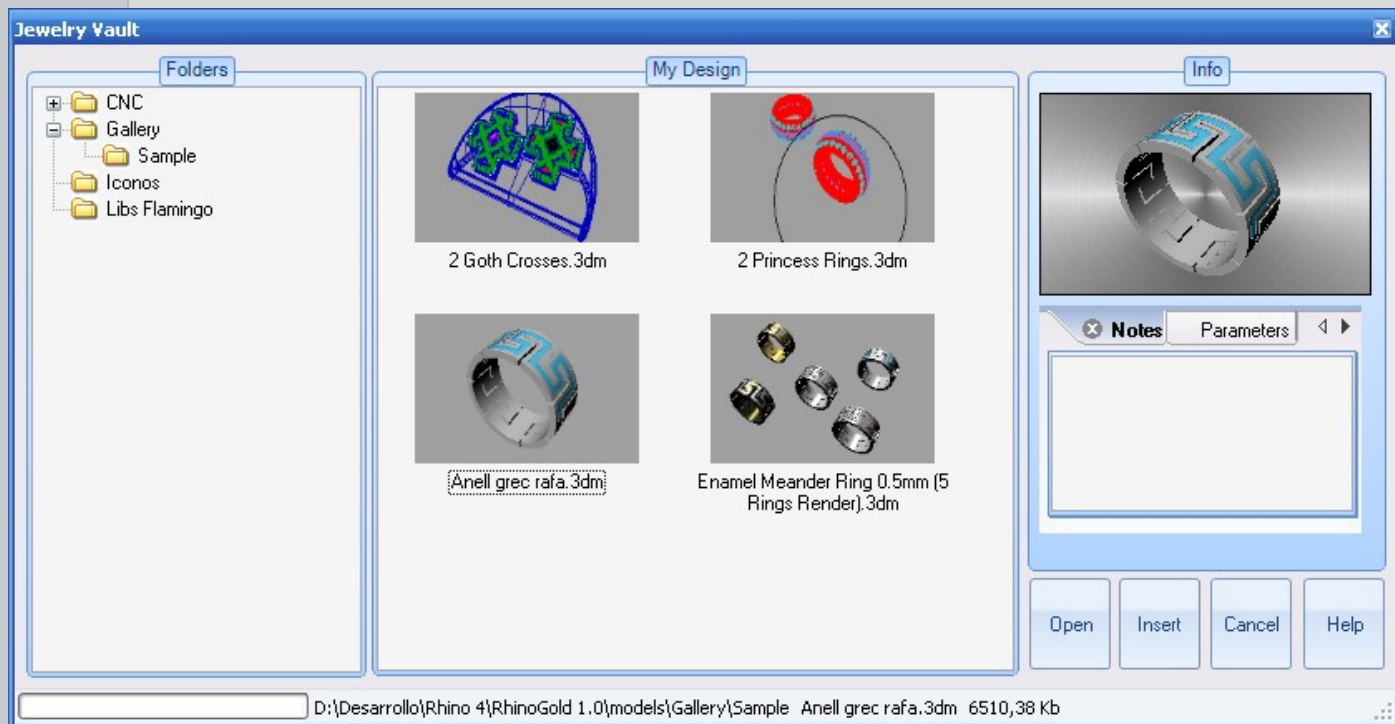


Advanced



## RhinoGold Library

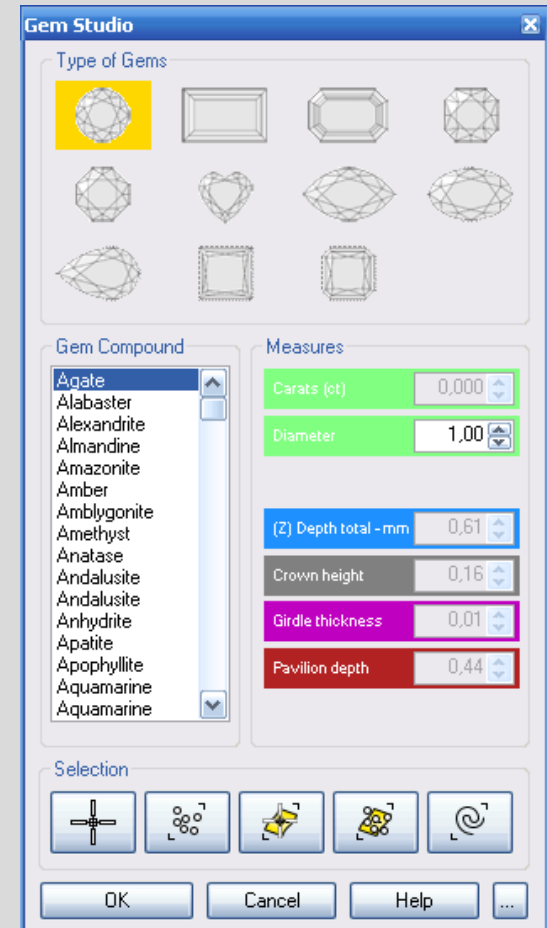
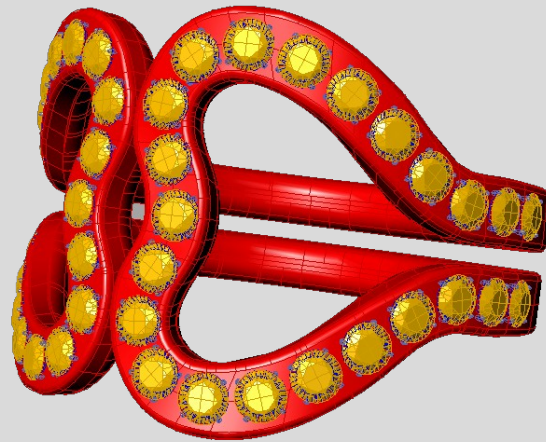
RhinoGold® Library makes it easy for us to manage our different models. In this way, users can create their own component libraries for use in future designs.





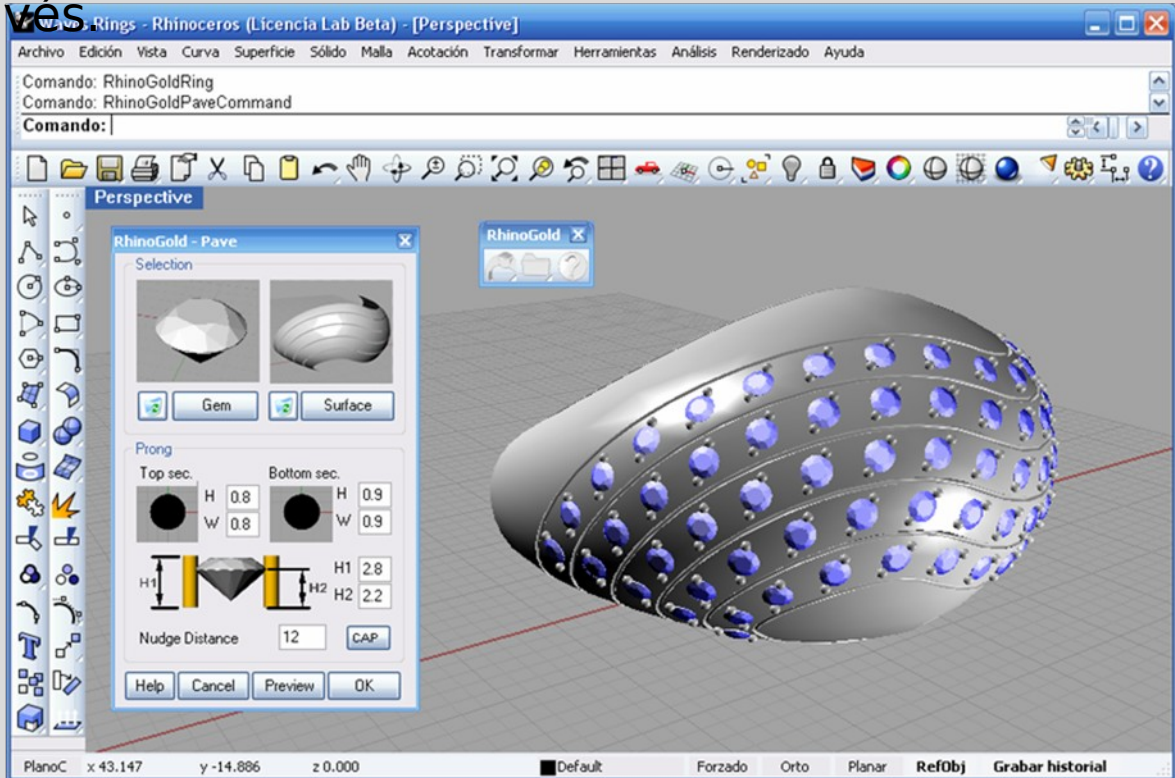
## Gem Studio

RhinoGold® Gem allows us to place different stone cuts in our models in accordance with the GIA (Gemological Institute of America) or the Russian cutting standard.



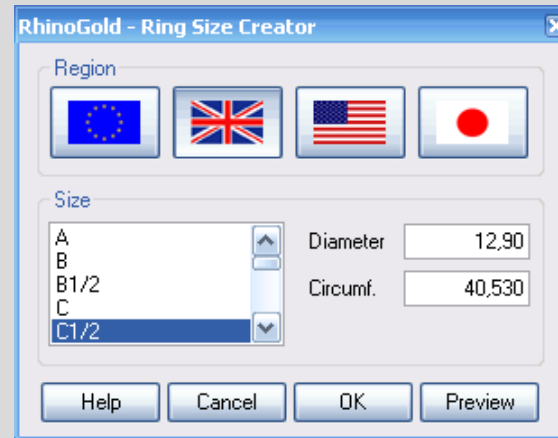
## RhinoGold Pave

RhinoGold® Pave is a special tool for designing pavés.



## RhinoGold Ring Size Creator

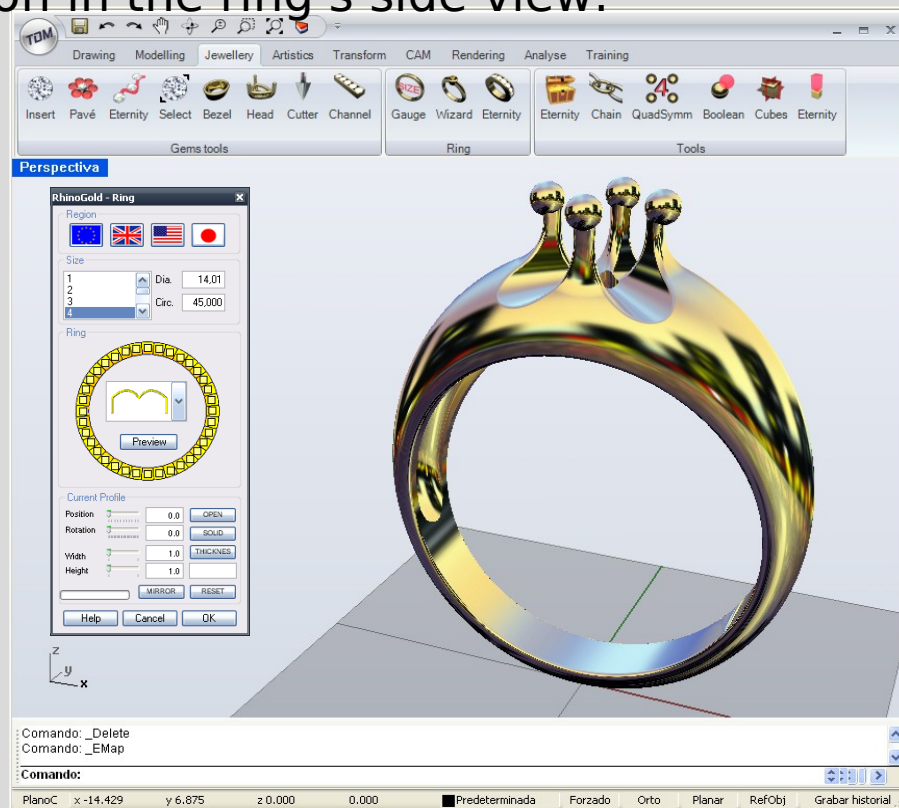
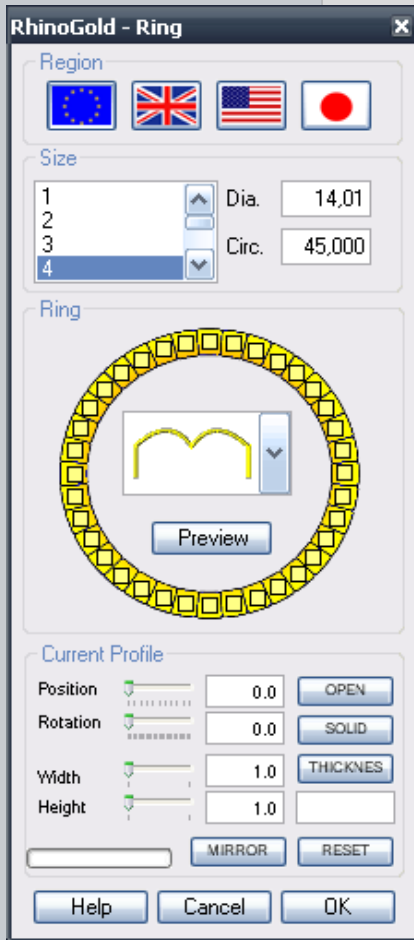
RhinoGold® creates the base circle, the starting point for modeling our ring, using standard measures from Europe, the UK, the United States and Japan.



Very useful for combining Universal Deformation Tools (UDT) and the Rhinoceros history, making it possible to change the size of a ring after it has been finished.

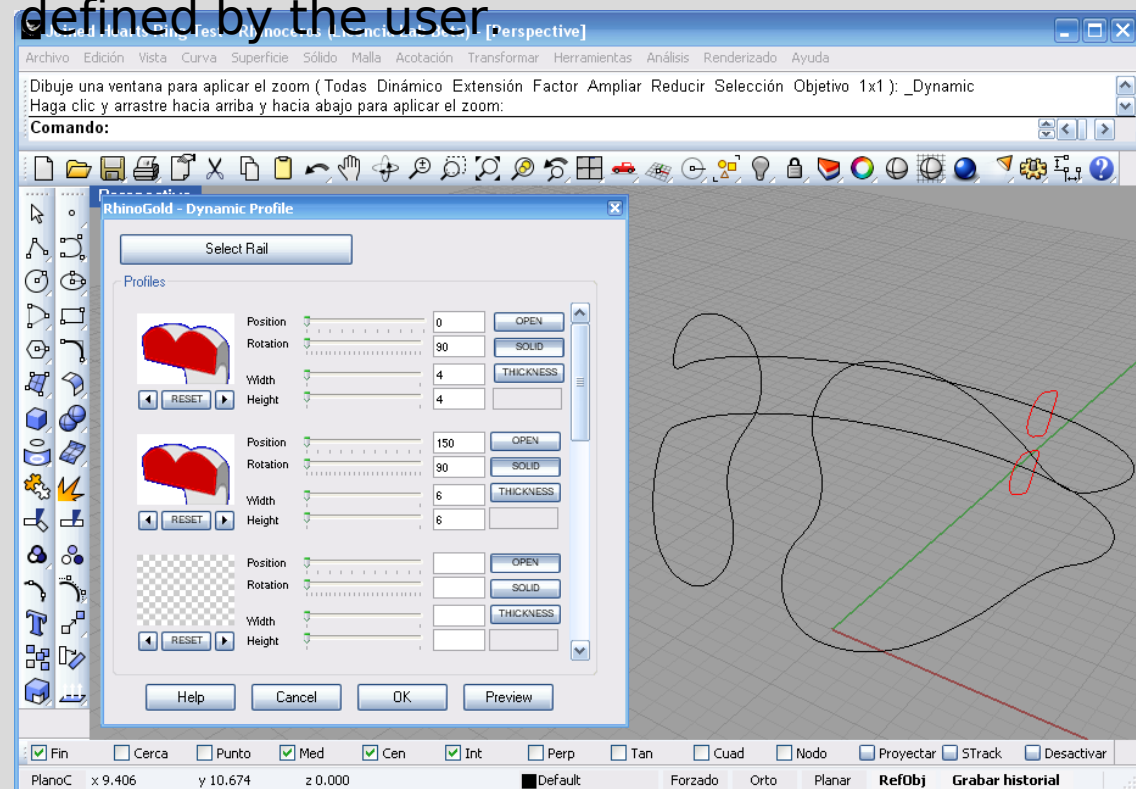
## RhinoGold Ring Wizard

Wizard for creating rings according to profiles. It is very quick and practical for new users. We choose the size and place the profiles in position in the ring's side view.



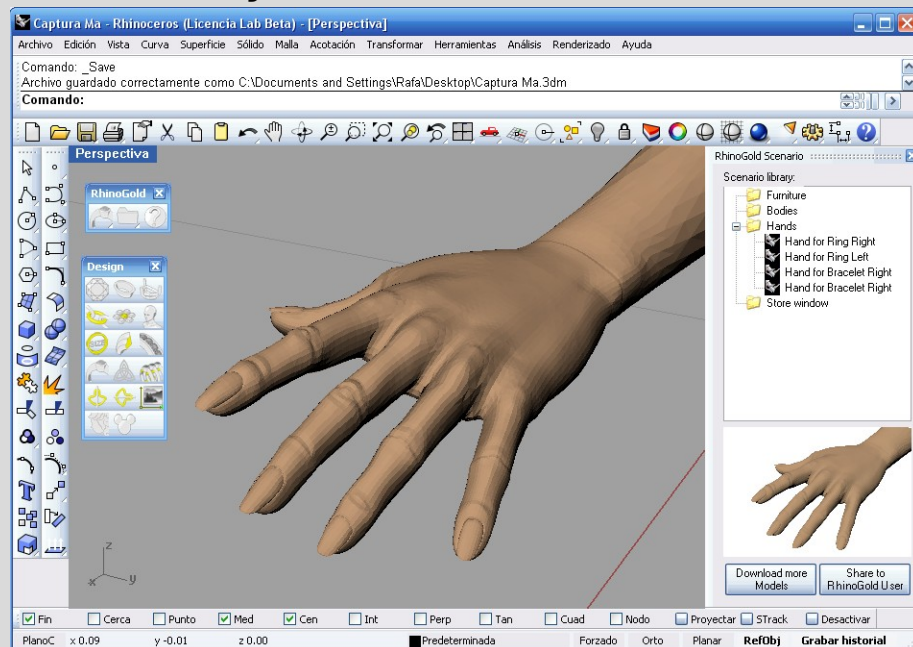
## RhinoGold Dynamic Profiles

This allows us to use our section library to move them, rotate them and change sizes. Very useful for creating any type of accessory in a matter of seconds. The profiles may be defined by the user.

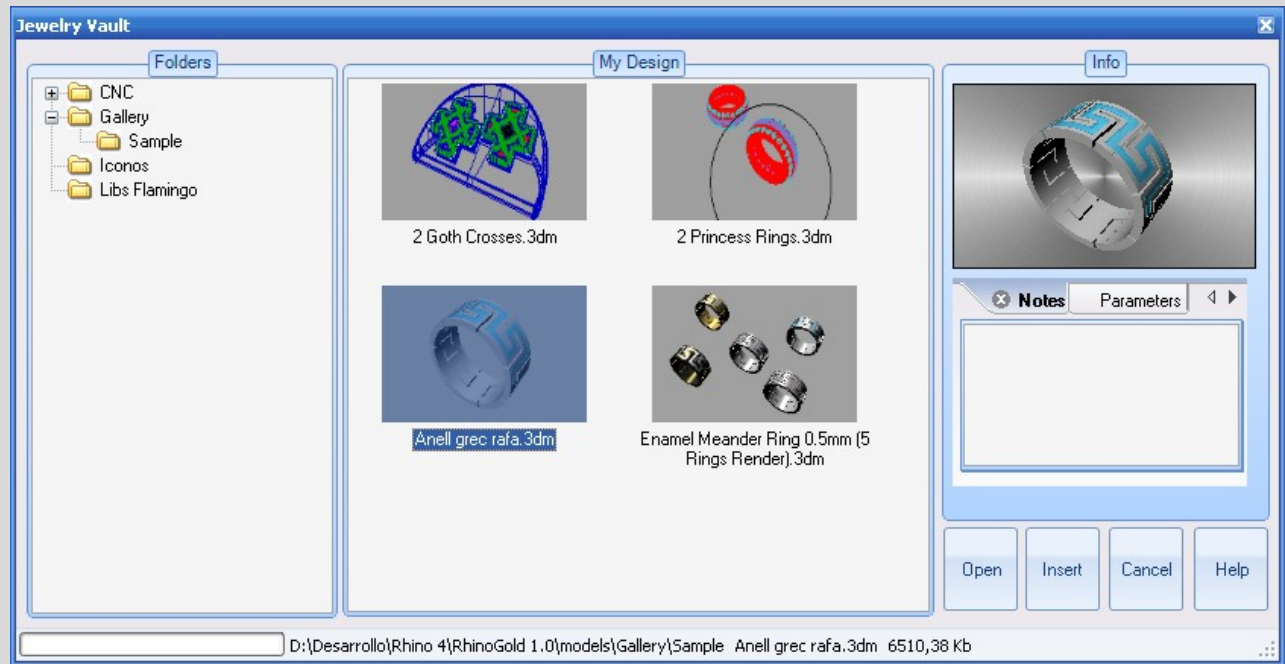


## RhinoGold Scenario

This allows us to add design presentation scenarios. The scenarios are fully modifiable and can be fully managed by the user. As such, if they choose to do so, users may share their scenarios with other users as well as use those created and shared by others.

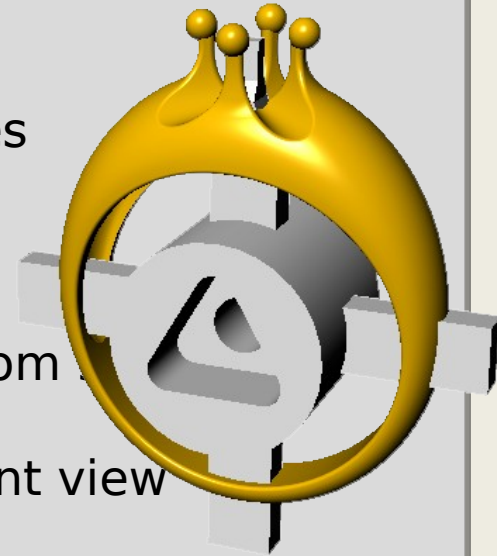


## RhinoGold Scenario



## RhinoGold Milling Support Structures

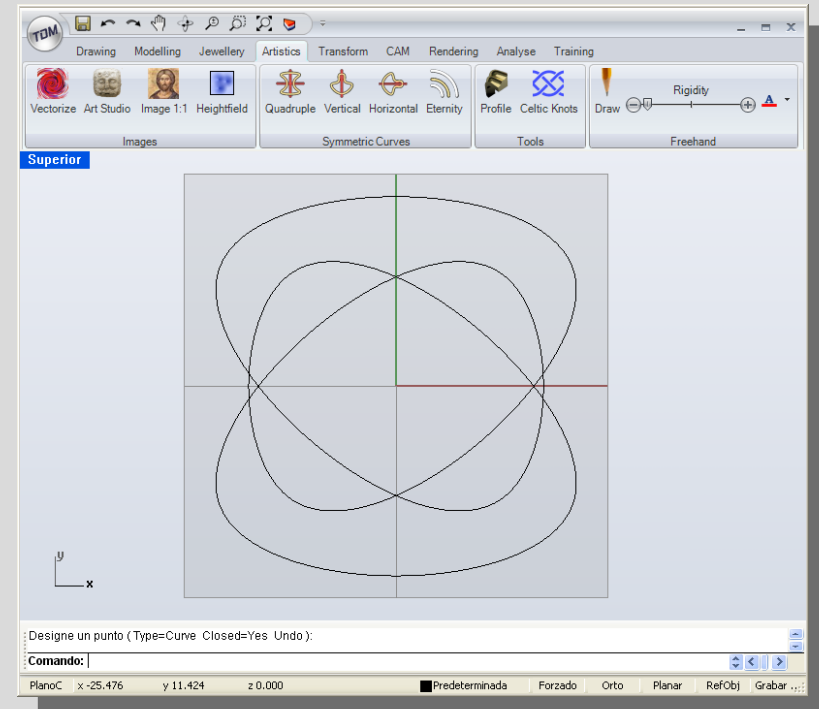
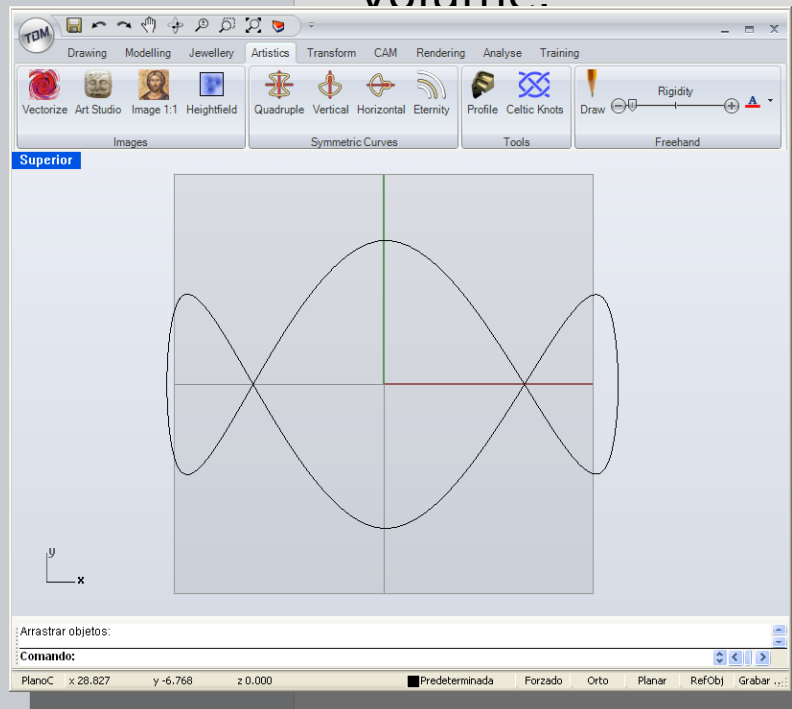
- Customer Structures from Curves
- User Structures: Get the fixtures from .3dm files
- The fixture is oriented on the current view





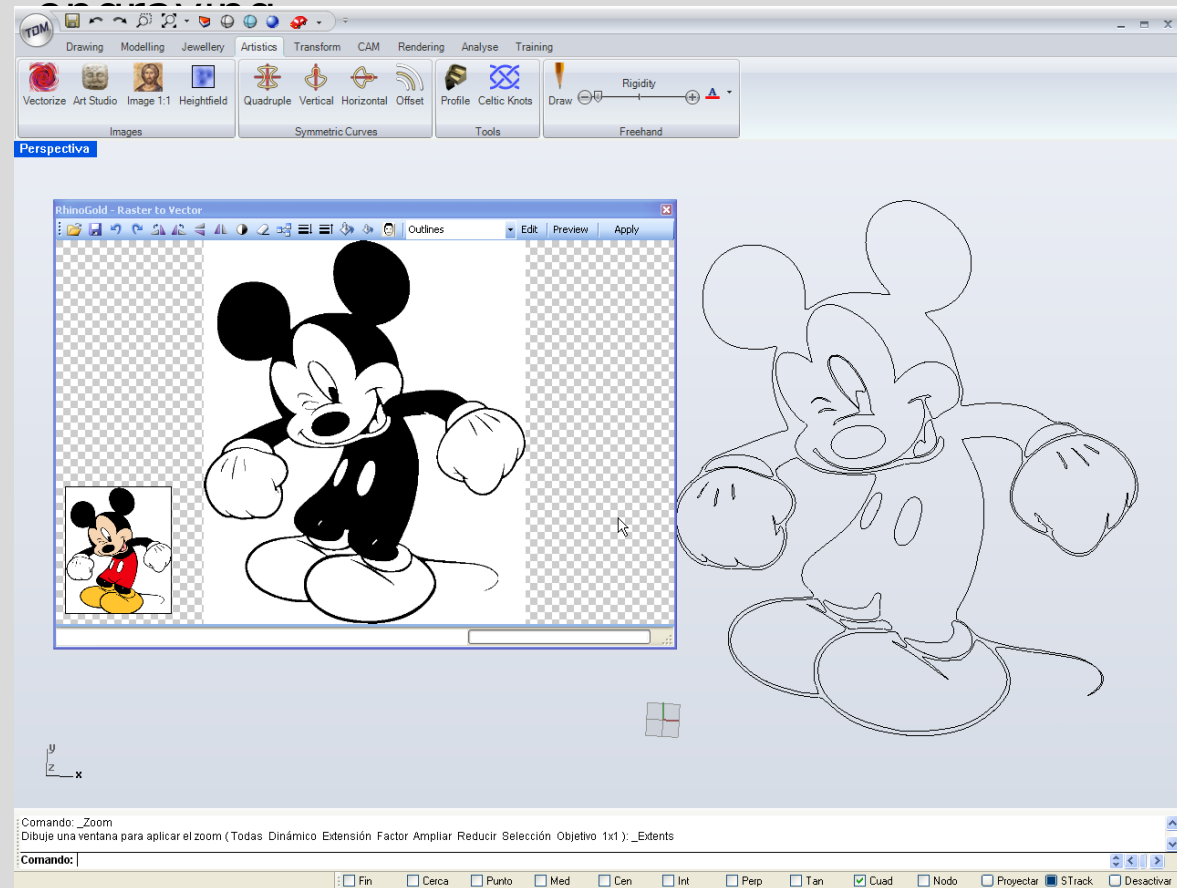
## RhinoGold Symmetric curves

Jewelry manufacturers do not create a half and then copy it symmetrically. That is why this tool, available in specific high-end jewelry CAD programs, is highly useful for getting a sense of volume.



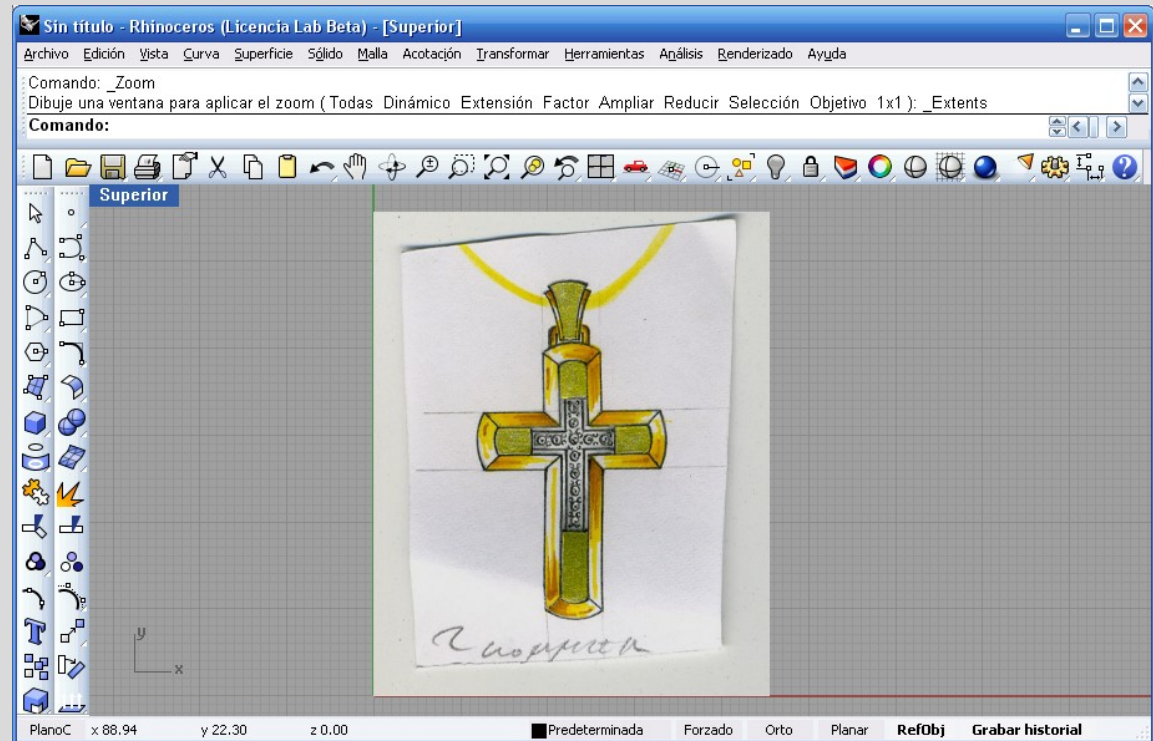
## RhinoGold Raster to Vector

With this, we can convert images to vector graphics, useful for 3D design, milling and



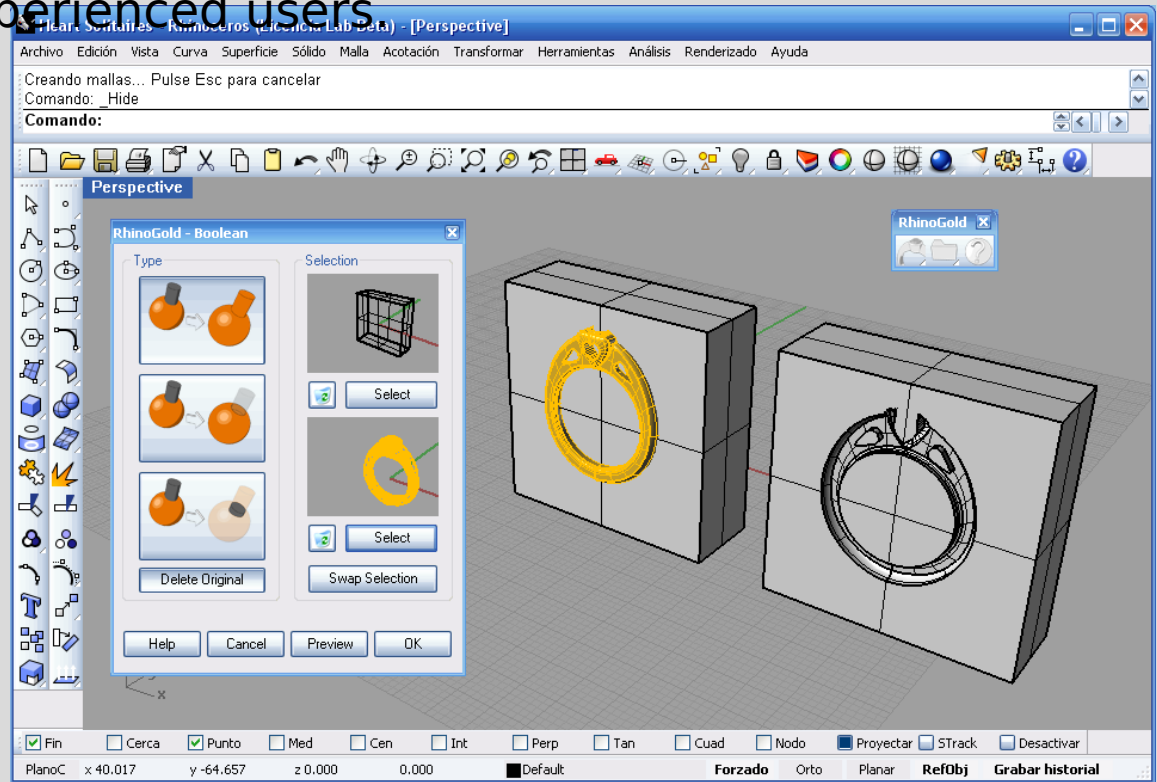
## RhinoGold Place Image 1:1

We can import any sketch, drawing or image at 1:1 scale with just the click of a button.



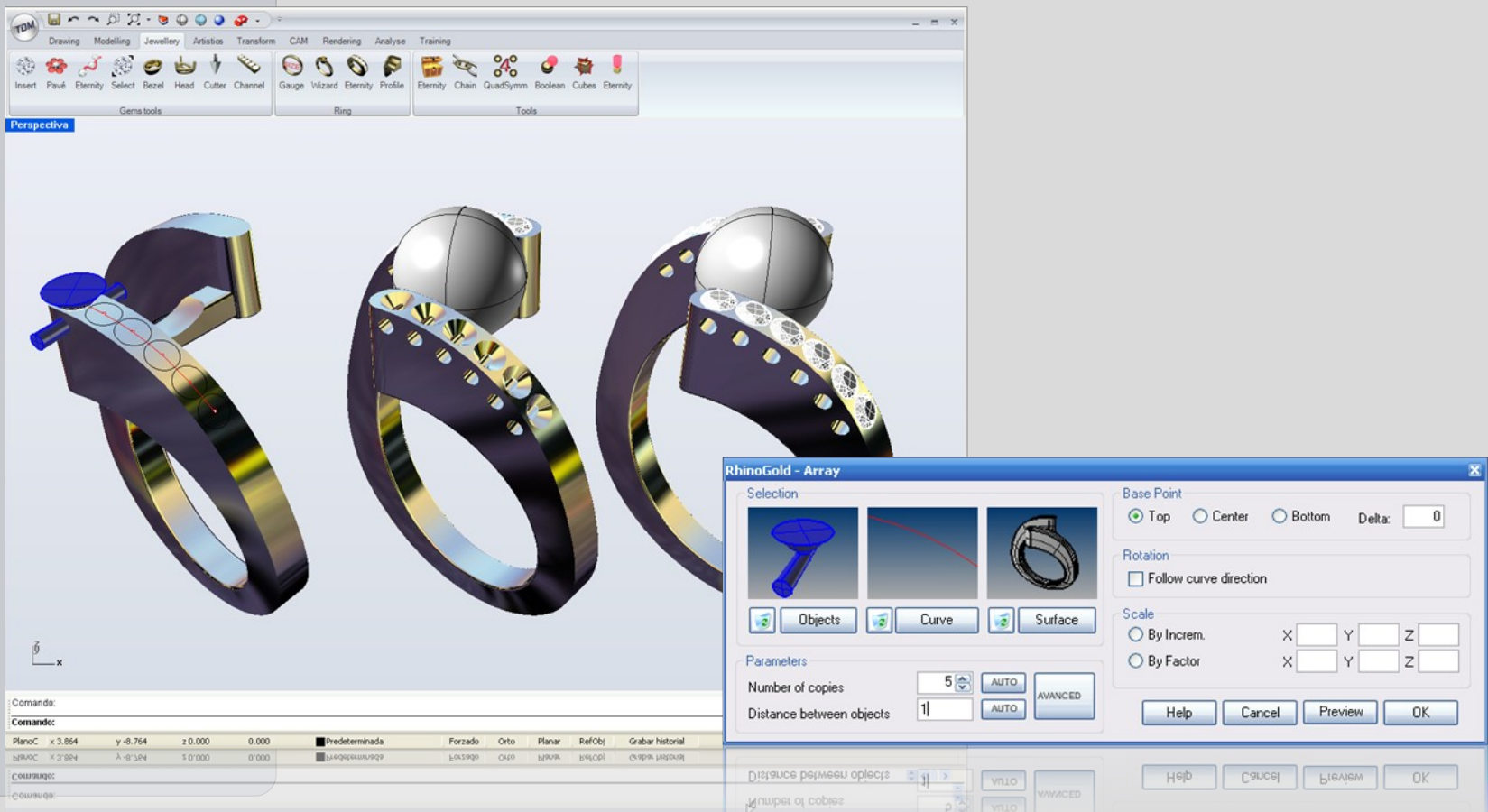
## RhinoGold Boolean

RhinoGold® MultiBoolean allows us to successfully carry out Booleans that are not allowed in Rhinoceros. We also have previewing for experienced users.



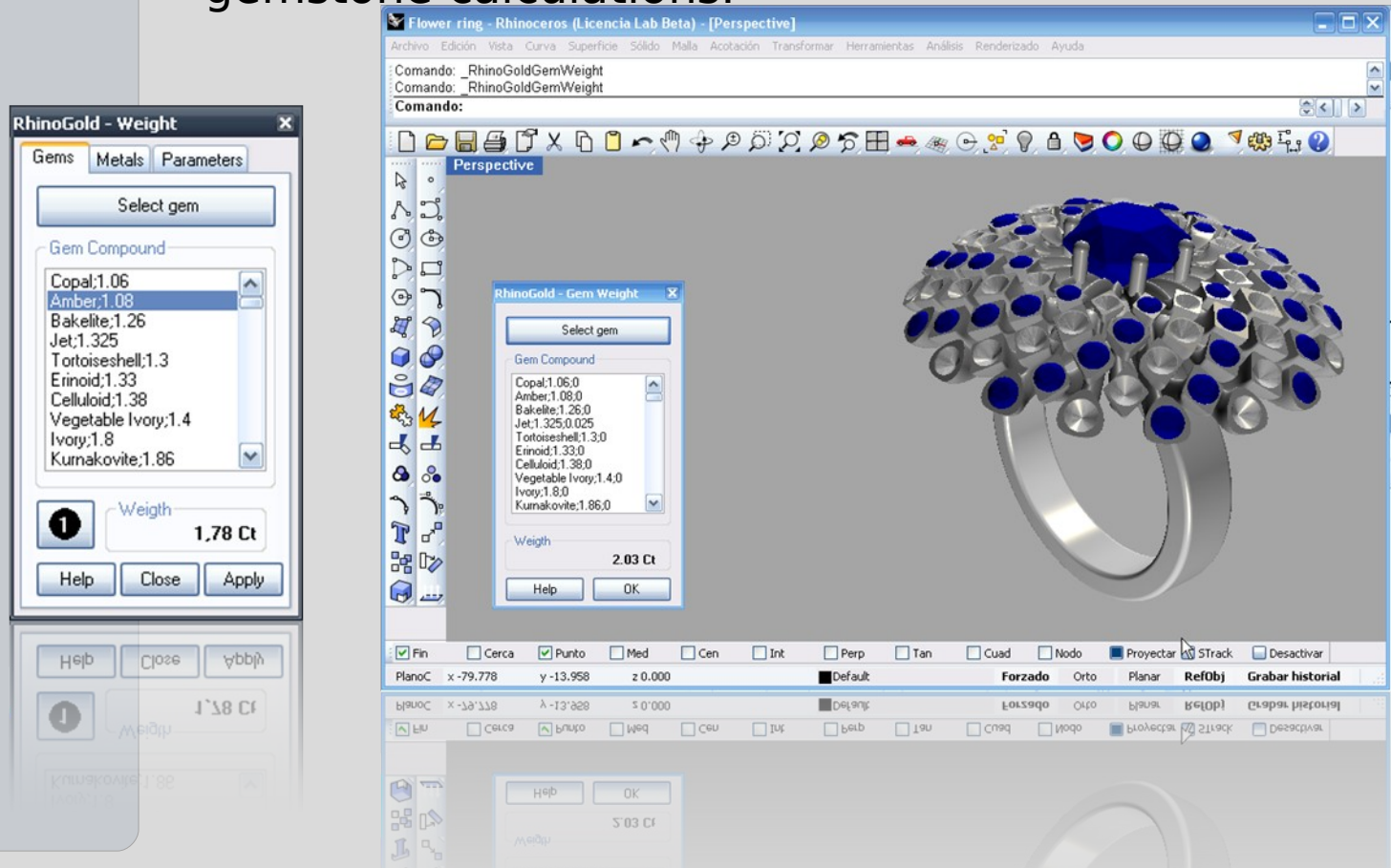
## RhinoGold Array

RhinoGold® Array allows us to create arrays both easily and dynamically and permits us to define advanced parameters, such as scaling, rotation, ..



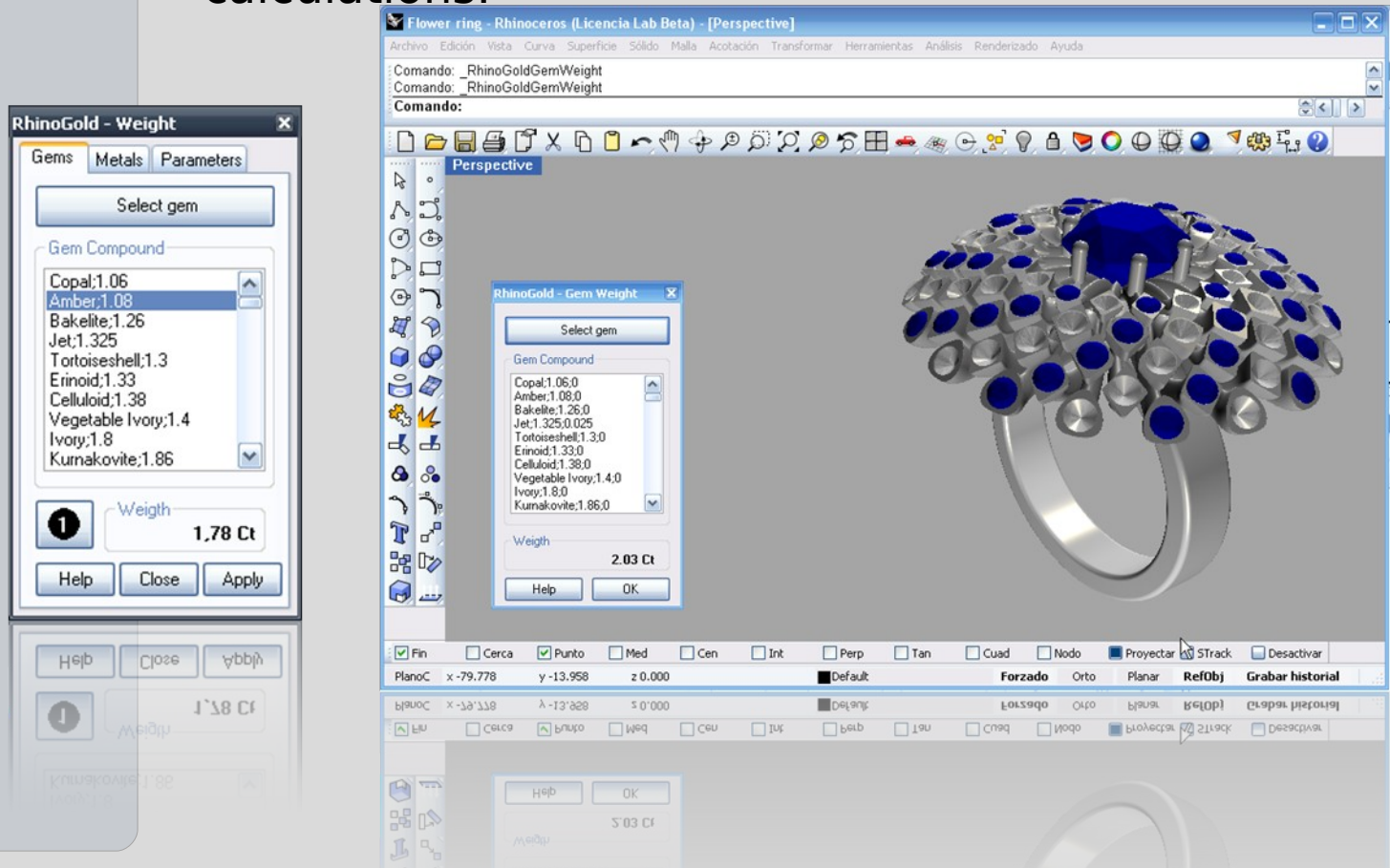
## RhinoGold Weight for Gemstone

RhinoGold® Weight calculates the weight of our designs with just a single click. Available for gemstone calculations.



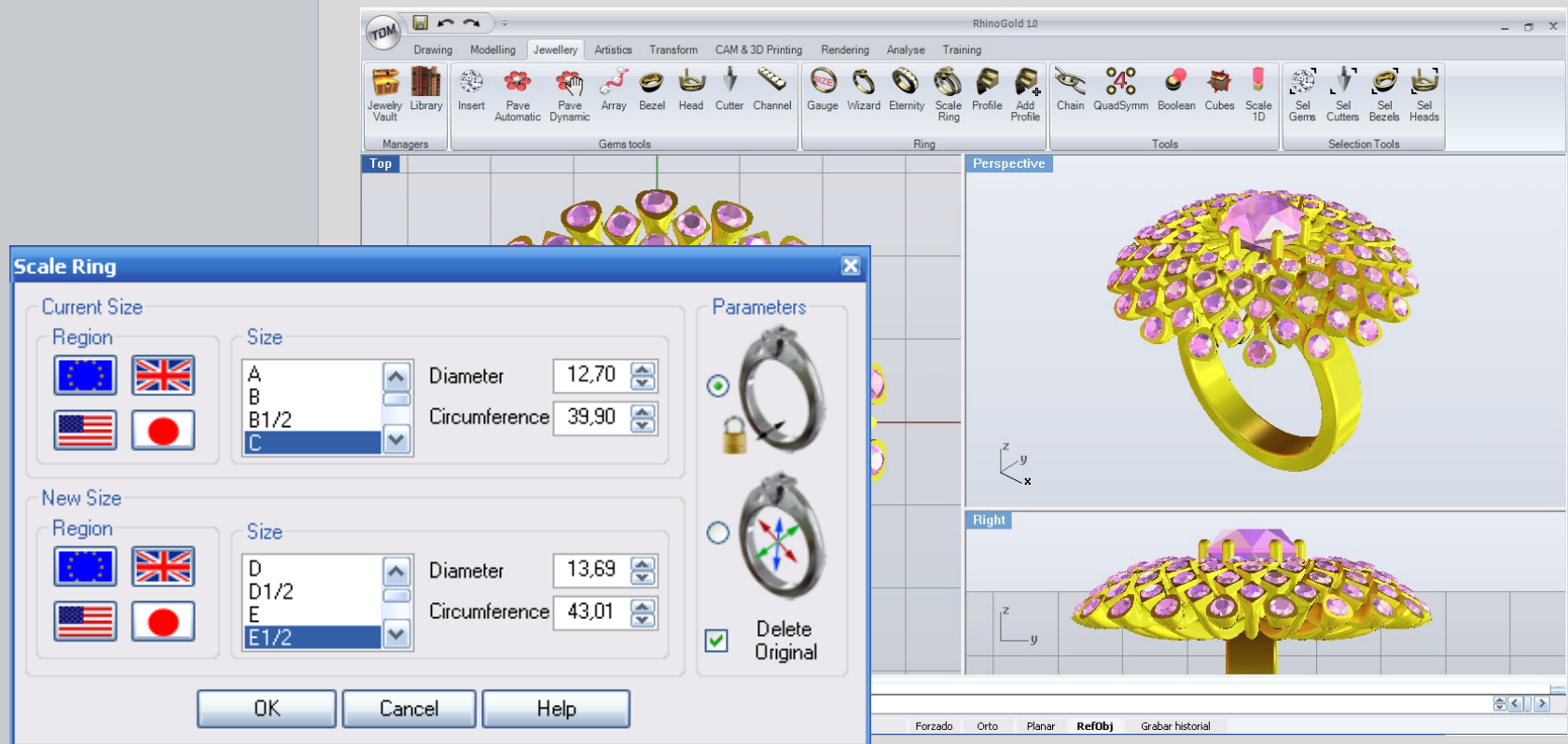
## RhinoGold Weight for Metals

RhinoGold® Weight calculates the weight of our designs with just a single click. Available metal calculations.



## RhinoGold Scale Ring

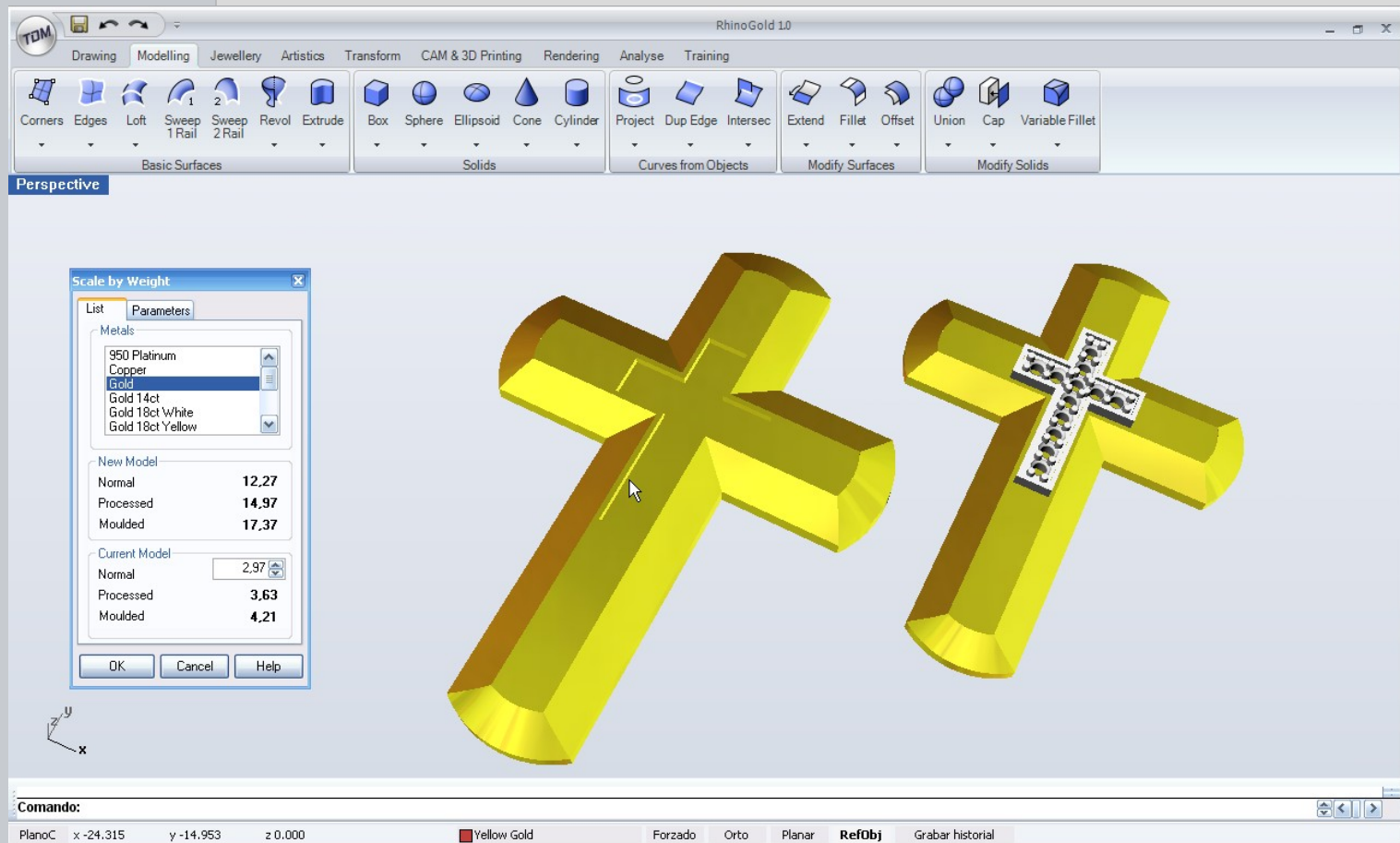
RhinoGold® Scale Ring allows scale one ring to other sizes just in one click.

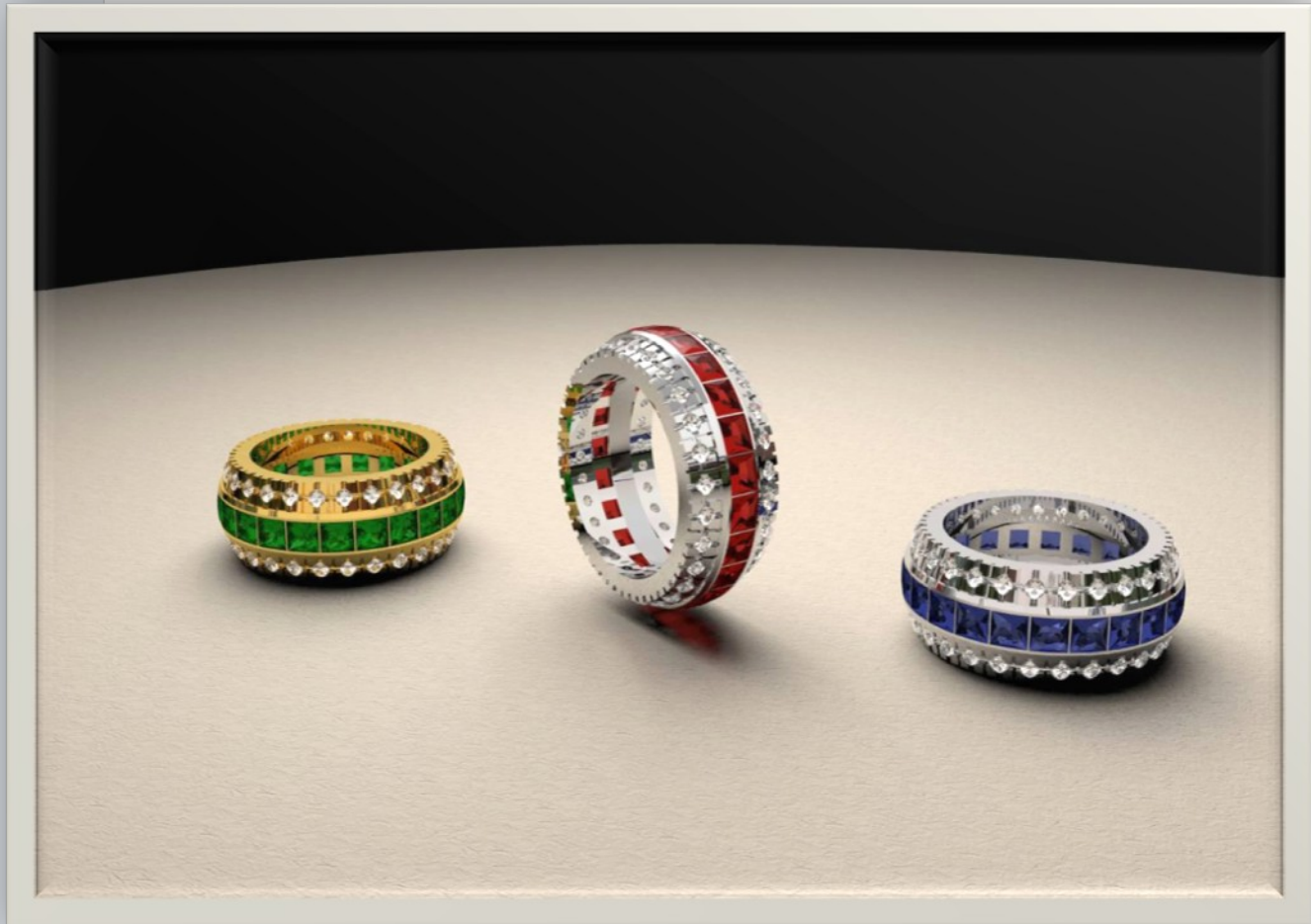


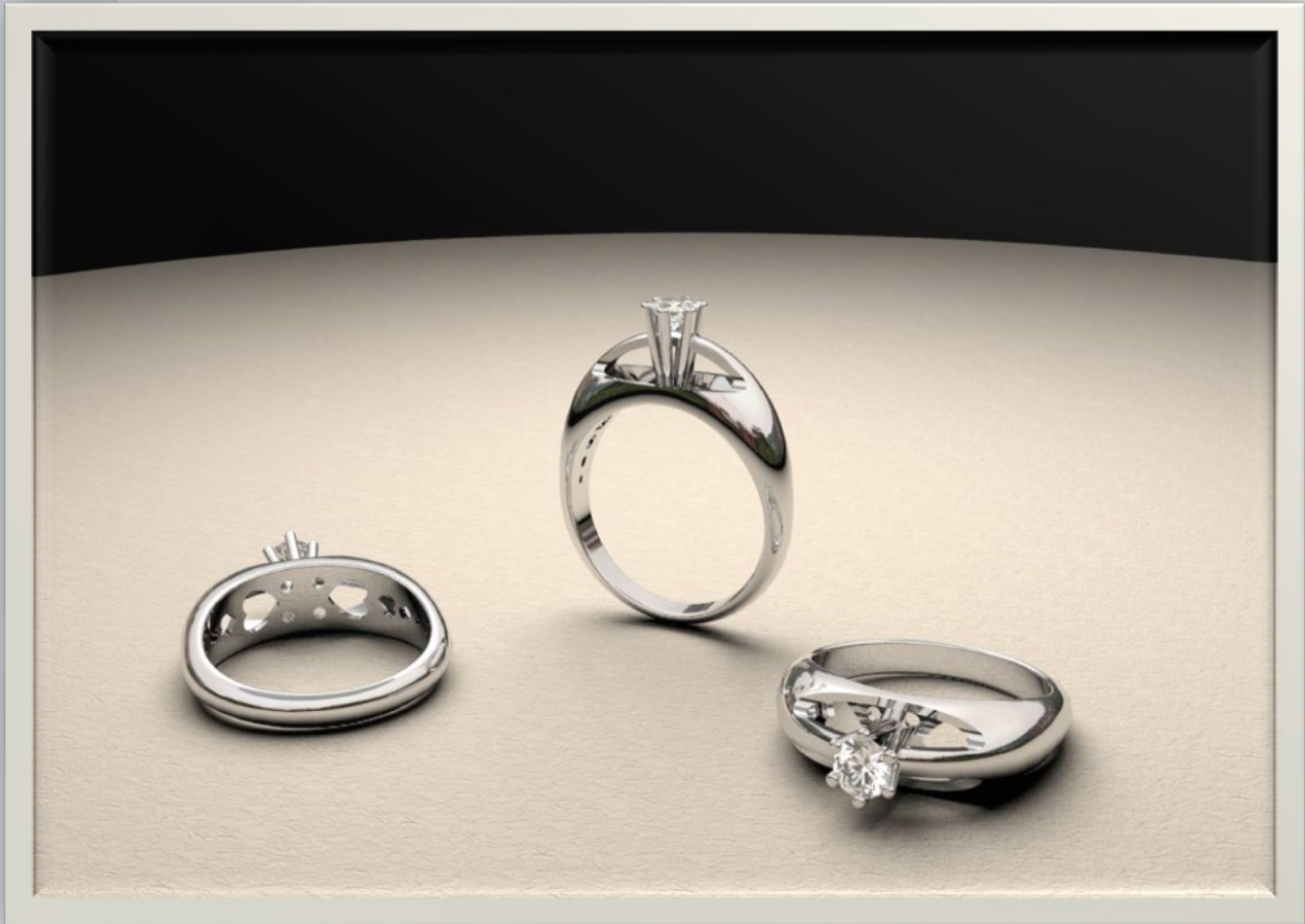


## RhinoGold Scale by Weight

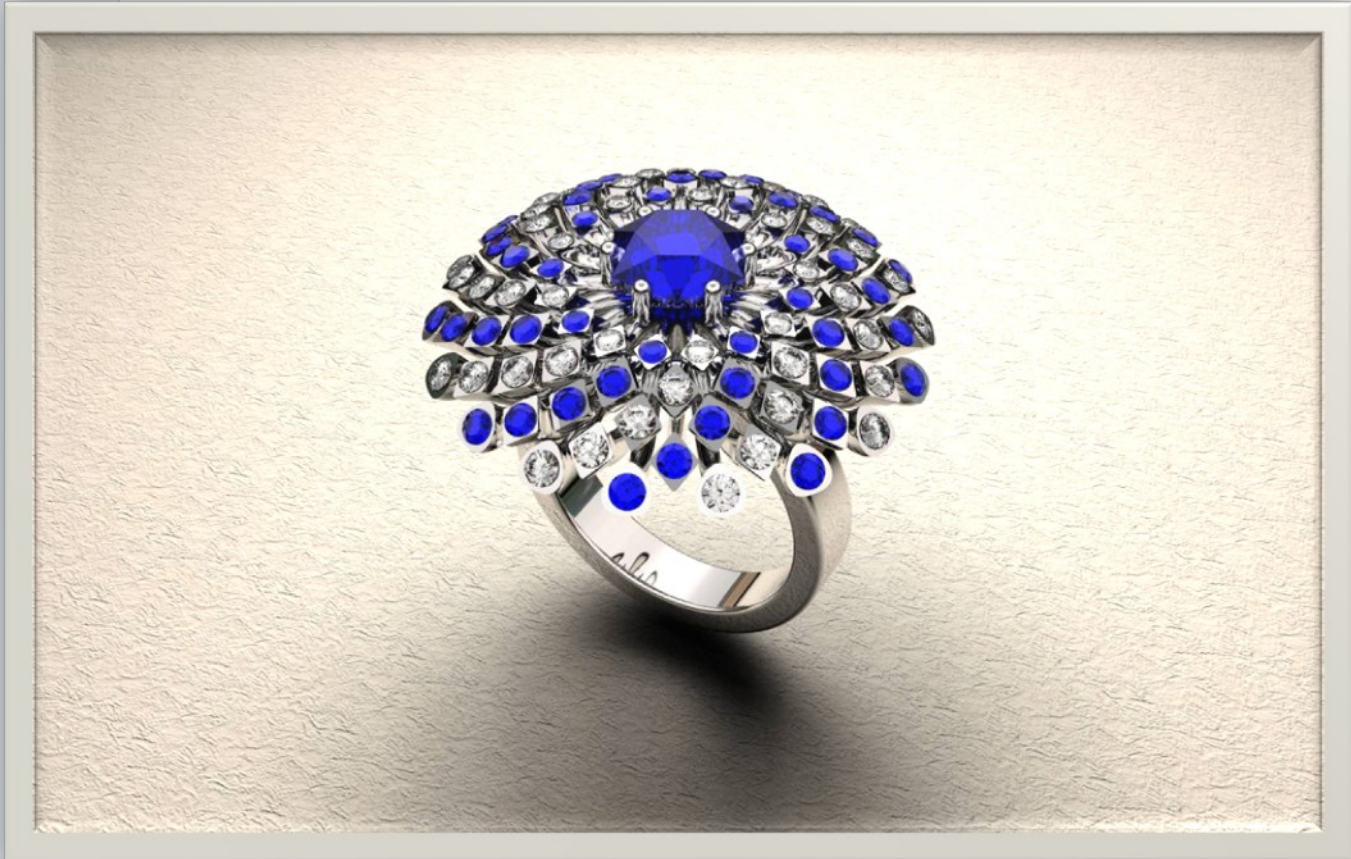
RhinoGold® Scale by weight allows scale just defining the new weight.



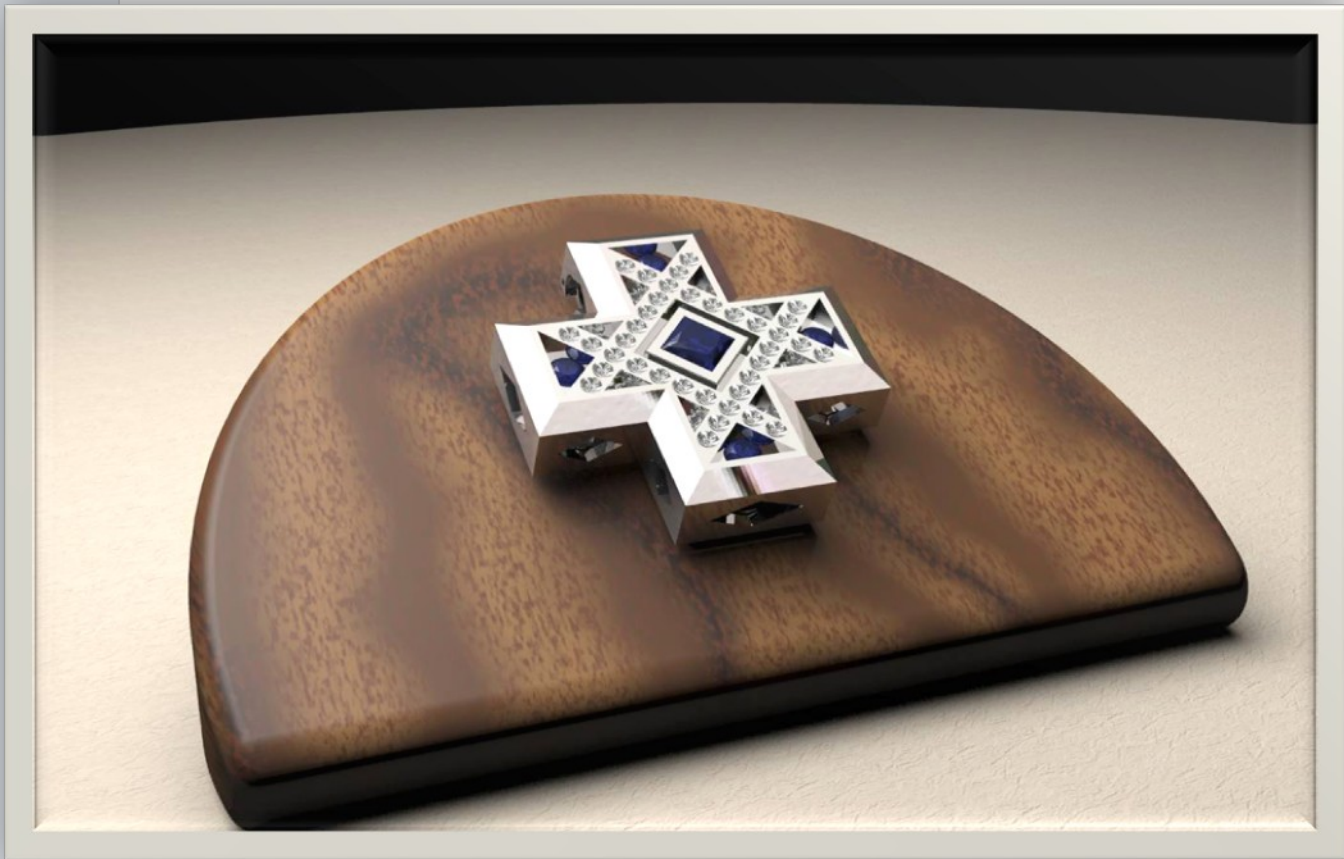






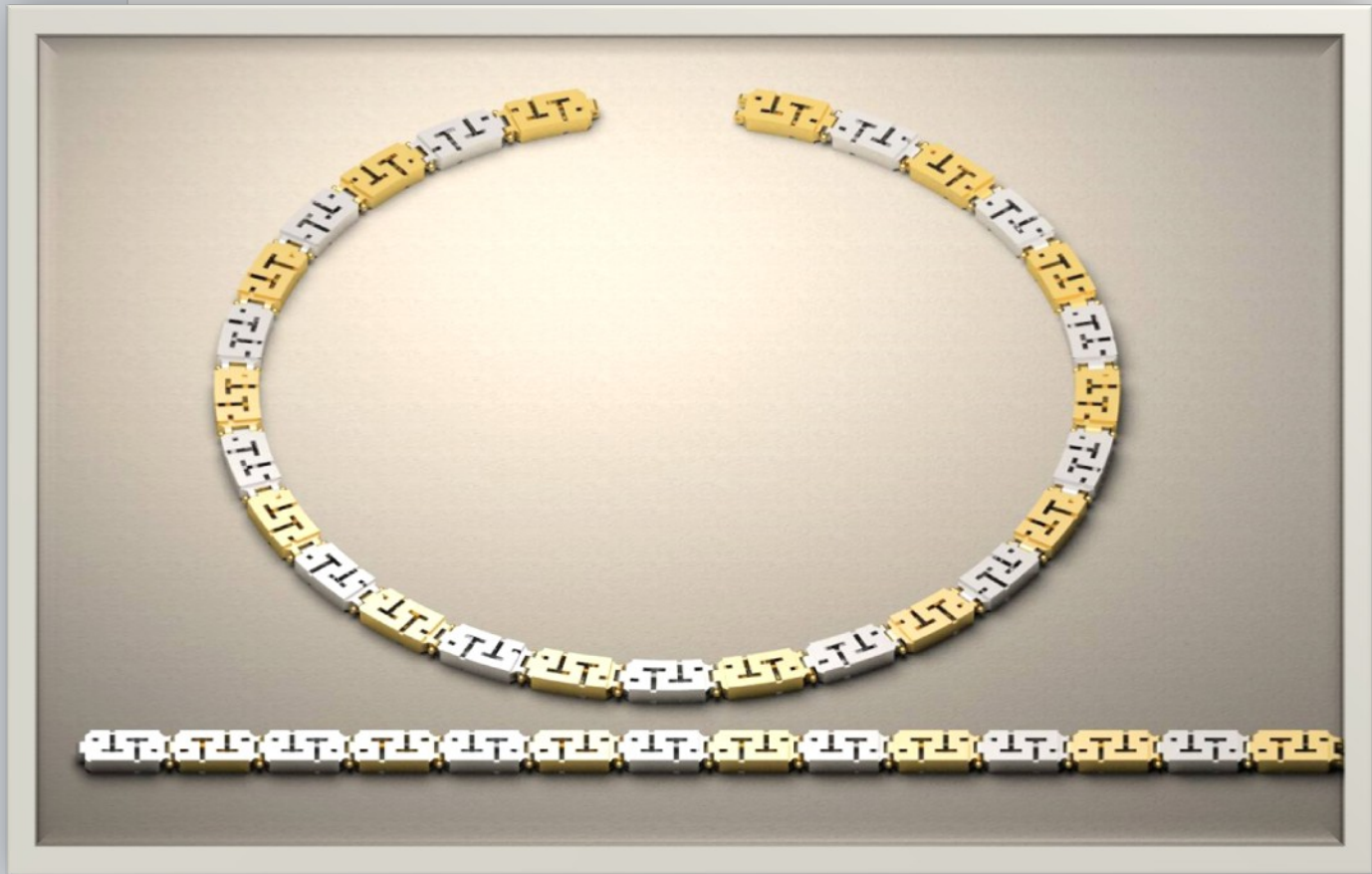






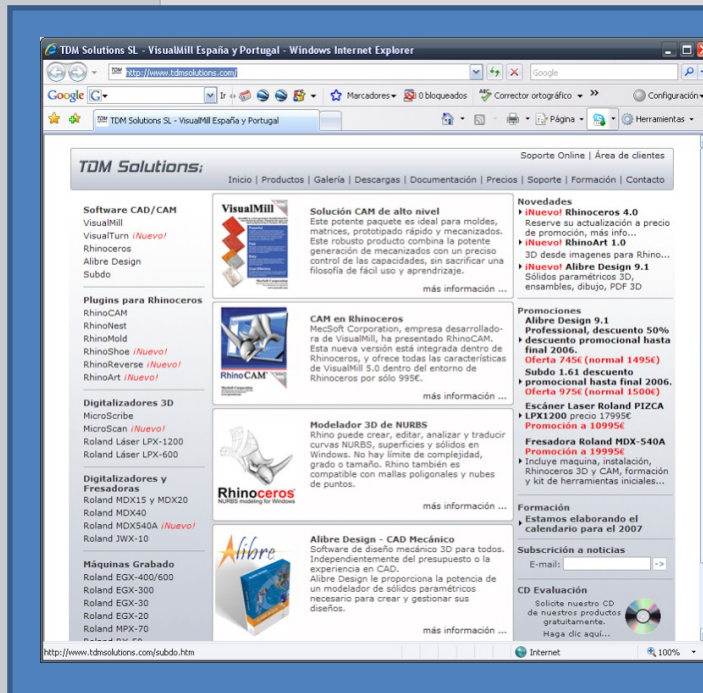








More information...



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# Questions



Thank you!