

Roland JewelStudio"

# JewelStudio Intro



# **System Requirements**

### Hardware:

- Pentium processor (Dual Core processor or faster recommended)
- 200 MB disk space (2GB or more recommended)
- 512 MB RAM (1 GB RAM or more recommended)
- Open GL graphics card with 128MB
  - 1280 x 1024 Resolution, 32bit color
- DVD-ROM drive

#### Operating System:

 Roland JewelStudio runs only on Windows 2000, XP Pro, XP Home, and Vista\* including an Intel Mac with BootCamp or Parallels.

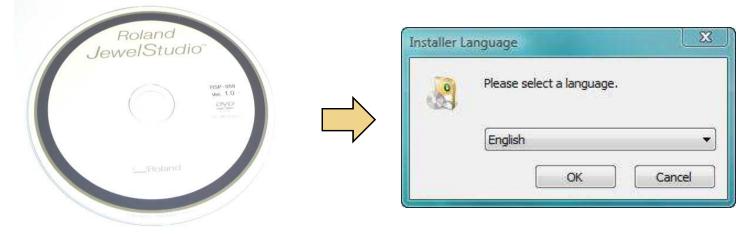
\* Vista requires Rhino 4.0 Service Release 1 or above.

- Roland JewelStudio will not run on Windows NT, 95, 98, or ME.
- Native Windows x64 is not supported at this time



## **JewelStudio Installation**

### ✤ Install DVD



English Spanish Japanese German Italian

#### NOTES:

•Place JewelStudio DVD into computer.

•After a few short moments, a window will appear asking what language you want to install. You have your choice of English, Spanish, Japanese, German, or Italian. Select your language and click "OK".

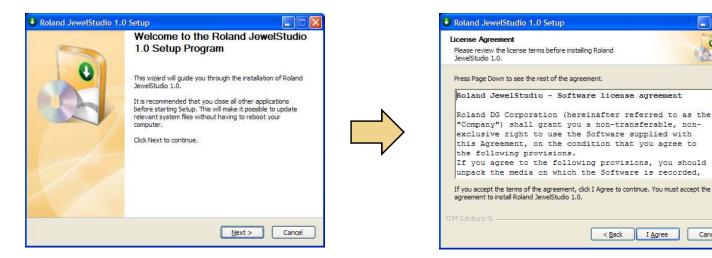


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## **JewelStudio Installation**

#### Installing Software \*



#### **NOTES:**

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· A

Cancel

 Roland JewelStudio setup program will start, click "Next" to continue.

 Read license agreement and click on "I Agree" when finished.

•Enter name, company, and CD-Key information located in the DVD jewel case and click on "Next" when finished.

Roland JewelStudio 1.0 Setup	
<b>Jeense Agreement</b> Please review the license terms before installing Roland JewelStudio 1.0.	2
Name	
Company	
CD-Key	
RH40	
RJS10 -	
M Solutions SL	
< Back Ne	ext > Cancel

hoose Install Location			0
Choose the folder in which to ins	stall Roland JewelStudio 1.	.0.	
Setup will install Roland JewelStu click Browse and select another			ferent folder,
Destination Folder			
Destination Folder	velStudio 1.0\	Brov	vse
C: \Program Files\Roland Jev	velStudio 1.0\	Brov	vse
	velStudio 1.0\	Brov	vse
C: Program Files Roland Jev Space required: 592.5MB	velStudio 1.0\	Βιον	vse

•Click "Install" to accept default destination folder (Recommended) to install the software.



## **JewelStudio Activation**

- Activation is required. Two types are available
- Automatic requires internet connection
  - Click on Start -> All programs -> Roland JewelStudio, and click on Roland JewelStudio Activation
  - Type your name, company name, email address and country
  - Click Activate button

### Manual

- Click on Start -> All programs -> Roland JewelStudio, and click on Roland JewelStudio Activation.
- Write down your Machine ID.
- Visit webpage www.rolanddg.com/jewellery and click on Roland JewelStudio Activation Form.
- Fill out form, and click send. After this, the website will display the Activation code. Please write down your Activation Code and save.
- You will also receive the Activation code by email.
- In Roland JewelStudio Activation, type your name, company name, email address and country.
- Click on Manual Activation and type the Activation Code
- Click on Activate.

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Roland JewelStudio Activation 🛛 🗙													
Roland JewelStudio Activation System													
CD-Key E0613-6D04C-D4ACA-067D9-F0F05-60000-00064-2800E													
Name	Rafael del Molin	Rafael del Molino											
Company	TDM Solutions S	6L											
Email			Country	Select	~								
License Typ Evalu	e ation license: 40 i	days left.											
Activation M	ethod Activation												
🔘 Manua	Activation												
Mach	ine ID:	RAFAMB											
Activa	ation Code:												
		He	ow obtain th	e activation c	ode manually?								
		Activa	te	Close	Help								



## **Getting Started in JewelStudio**

**NOTES:** 

Once installed, the Roland JewelStudio icon will appear on your desktop. Double click icon to start.



The welcome screen will start giving you the option to start in two different modes.





## **Getting Started in JewelStudio**

Start as Rhino User

For users familiar with Rhino, starting as a Rhino User will appear like Rhino but with additional Jewelry specific plug-ins.

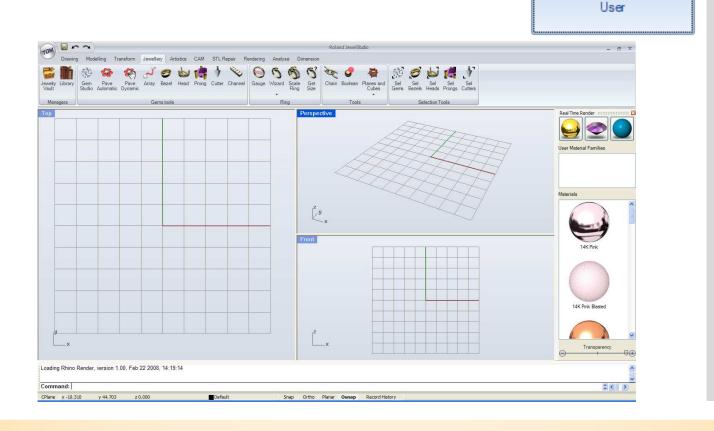
Untitled - Rhinoceros (Not For Resale Lab) File Edit View Curve Surface Solid Mesh Dimension Transform Tools Analyze Render RhinoGold RhinoNest Help Command: Delete Managers ٠ Command: New **Design Tools** Command: **⊉**(+)⊡ĭ **Ring Tools** Art Tools 7 00 1. 0 au (-) Gern Tools Top Perspectiv 2 . **General Tools** CAM & 3D Printing NJ Select 3 3 Weight Tools DD Properties 07 **Community Online** # 9 Help 00 About RhinoGold 84 Front -0 RhinoGold 2 M 1 d d 0 8 33 r P 38 0% ..... V End V Near V Point Md Cen V int Perp Tan Quad Knot Project STrack Disable



## **Getting Started in JewelStudio**

**NOTES:** 

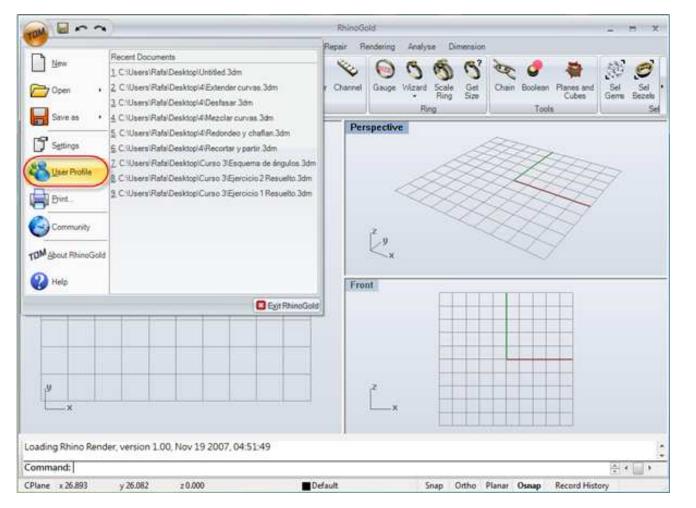
Starting as a Roland JewelStudio User is best for new users. This interface, or mode, makes learning the software much easier, helping new users learn the software quickly.





## **User Profile Settings**

User Profile allows you to change preferences.





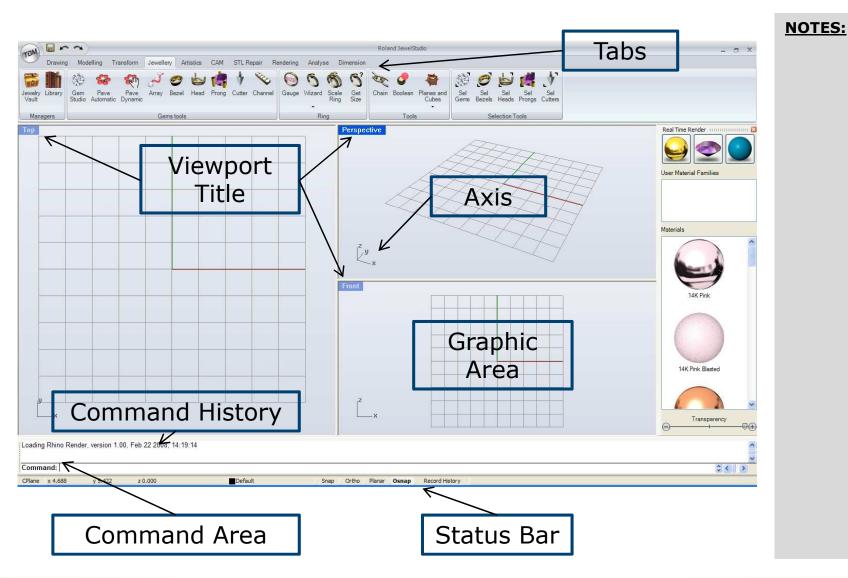
# **User Profile Settings**

You can change items such as units, languages, define user's experience, change software appearance, specify libraries locations and specify which CAM program to use.

		Localization				
Language	English		-			
Default unit	💿 mm	) inch				
		User Experience				
🍋 📀	Beginner	O Medium	Expert			
		Interface				
Jewellery	🔽 Ana	lyse	Modern Silver			
Artistics	🔽 Dim		O Modern Black			
CAM			O Modern Blue			
STL Repair			O Classic			
Rendering			And Antonio Contraction			
		Paths				
Vault Path	C:\Prog	ram Files\Roland JewelS	itudio 1.0\JewerlyVault			
Library Path	C:\Prog	C:\Program Files\Roland JewelStudio 1.0\Library				
Scenario	C:\Prog	ram Files\Roland JewelS	itudio 1.0\Scenario			
MSSPath	C:\Prog	ram Files\Roland JewelS	tudio 1.0\MSS			
CAM Appl.	C:\Prog	ram Files\SRP Player\Sf	RPPlayer.exe			
Community Online	http://v	//www.rhinogold.com/Server/Community/index.htm				



## **User Interface Explained**





### **The Mouse**

### JewelStudio functions using mouse

•In a Rhino viewport, the left mouse button selects objects and picks locations.

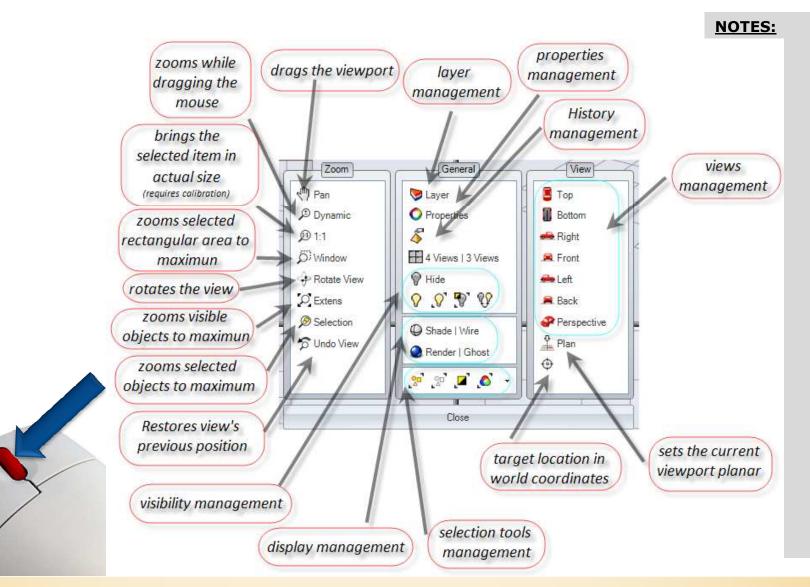
•Use the left mouse button to select objects in the model, commands or options on the menus, and buttons in the toolbars. •The right mouse button has several functions including panning and zooming, opening a context-sensitive menu, and functioning the same as pressing the Enter key

•Use the right mouse button to complete a command, to move between stages of commands, and to repeat the previous command.

•The right mouse button is used to initiate commands from toolbar buttons.



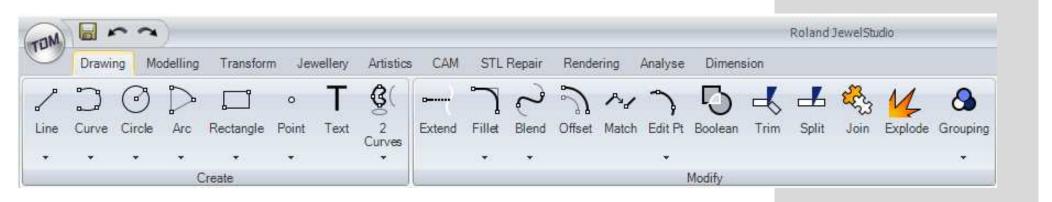
## **The Mouse Center Button**





## **JewelStudio Tabs - Drawing**

Drawing tab is used for drawing basic 2
Dimensional (flat) shapes.



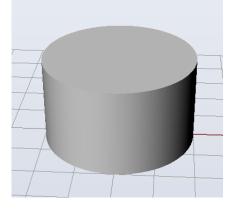


## JewelStudio Tabs - Modeling

**NOTES:** 

Modeling tab is used for drawing basic 3
Dimensional shapes and creating 3 Dimensional shapes from flat drawings.

TOM	•	2	)											8	Roland Je	welStudi	0		
U	Drawing	Mod	delling	Transfo	rm Je	ewellery	Artistics	CAM	STL R	epair	Rendering	Analy	se Dime	nsion					
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Corners	Edges	Loft	Sweep 1 Rail	Sweep 2 Rail	Revol	Extrude	Box	Sphere	Ellipsoid	Cone	Cylinder	Project	Dup Edge	Intersec	Extend	Fillet	Offset	Union	Сар
	*				*						•		•				*		
		Ba	sic Surfa	ces					Solids			Cur	ves from Ob	jects	Mod	ify Surfa	aces	Modify	Solids



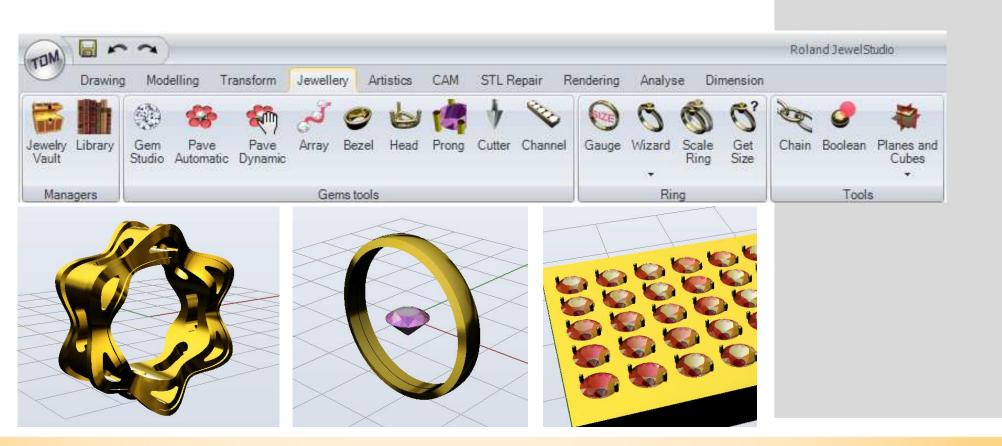




## JewelStudio Tabs - Jewelry

**NOTES:** 

 Jewelry tab contains jewelry specific commands and features.

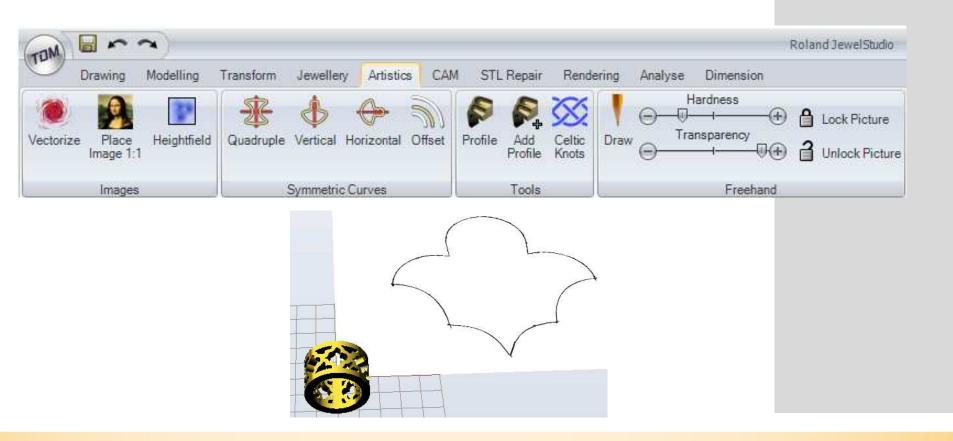




## **JewelStudio Tabs - Artistics**

**NOTES:** 

Artistics tab contains additional jewelry specific commands and features.







## JewelStudio Tabs - Rendering

**NOTES:** 

 Rendering tab is used for rendering or generating a "realistic" image based on 3D model.







## JewelStudio Tabs - Analyze

Analyze tab is used for calculating weights of objects based on material, gems, volume, etc.

TOM				Roland JewelStudio
Drawing Modelling (xyz) μ μ ζα Coord Length Distance Angle	Transform Jewellery Ar	tistics CAM STL Rep Gems Metals Weight Alarm	Direction Continuity Bounce	Dimension Curve Deviation
Main	Mass	Weigth	Advanced	
	Select Metals Copper (Ci Gold 14kt Gold 14kt Gold 18kt Gold 18kt	(5850) White (5850) Yellow (7500) White (9170) Yellow (9170) Yellow		



## **JewelStudio Tabs - Dimension**

**NOTES:** 

Dimension tab is used for measuring distances.

TOM	Gr	<b>~</b> )									1	Roland Je	ewelStudio	
0	Drawing	Modelling	Transform	Jewellery	Artistics	CAM STL F	Repair Ren	dering	Analyse	Dimens	sion			
<b>‡</b> ° I↔I Linear	_ Horizontal					ر <u>[2]</u> r Ordinate Le		lt → Recente	ar Dot	TEXT Insert	TEXT Edit	Make 2D	Set Line Type	Hatch
				Dimer	nsion					Te	ext		Drawing	
			Ø20	Z	~									



## **Command Area**

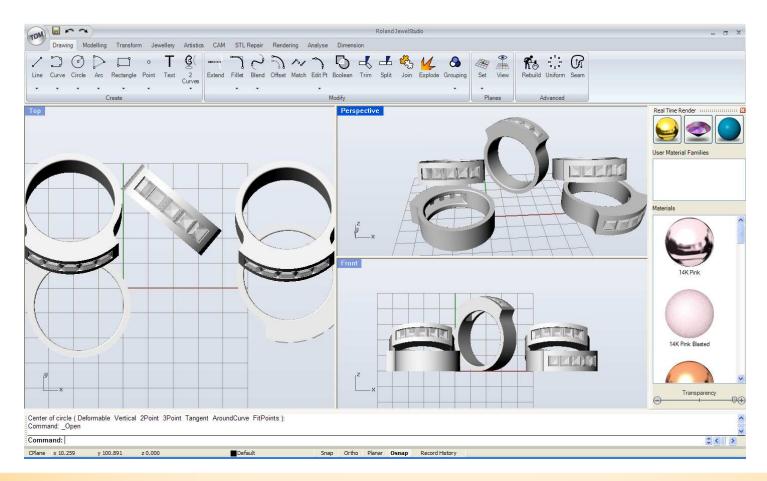
- Command Area and Command History are showing the user what is taking place while working.
- Use the command line to type commands, pick command options, type coordinates, type distances, angles, radius, type shortcuts, and view command prompts. To enter information typed at the command line, press Enter, Spacebar, or right mouse button over a viewport.
- Each command entered gets recorded in Command History, Pressing F2 pops up a window with the full Command History. Commands can be clicked by a button or directly typed in Command Area; autocomplete fills in the commands that correspond to the initial typed letters.

	First corner of base ( Diagonal 3Point Vertical Center ): Command: _Circle												
Center	of circle (	<u>D</u> eformable	<u>V</u> ertica	l 2 <u>P</u> oint	3P <u>o</u> int	<u>T</u> angent	<u>A</u> roundCurve	<u>F</u> itPoints ):					
CPlane	x -7.799	y 11.063	3	z 0.000			Default						



## **Views and Rendering**

- Open introduction.3dm file
  - Will be used to familiarization of views and real time rendering.





Activate real time render from Rendering tab



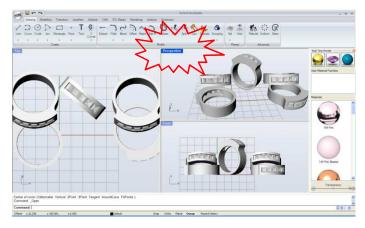
- This will open the Real Time Render window.
  - Select object first, then select desired material.
  - Do same for gems.
  - Practice changing materials



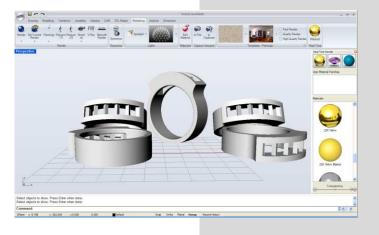


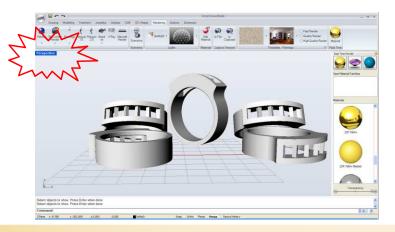
# **Different Viewports**

- Double click on viewport title to maximize or minimize that window.
  - Practice by clicking the various viewports

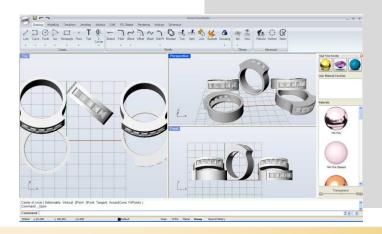








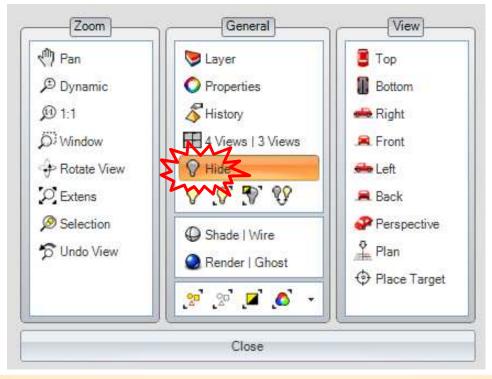






# **Practice Hiding Objects**

- Use middle button to hide and unhide different objects.
  - Press middle button
  - Select Hide command, and hide objects from view.
  - The objects are not deleted, just hidden.
  - Hide all objects





# **Practice Un-hiding Objects**

- Use middle button to hide and unhide different objects .
  - Press middle mouse button and select unhide function
  - Click on objects you would like to unhide
  - Press Enter when finished or right click to complete function

