

"With Roland machines I can combine modern technology with high-skill handwork in a way that creates designs nobody has been able to make before."

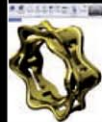
Being able to bring rapid prototyping into the jewellery business gives you a lot of new ideas and the possibility of having it finished a lot faster."

**Kristian Saarikorpi**  
Designer, Finland  
[www.saarikorpidesign.fi](http://www.saarikorpidesign.fi)

# 4 simple steps to release your creativity and save precious time.



1. Create a digital model in JewelStudio software (or scan in your hand drawn concepts and trace them in the software).



2. Create a digital model in minutes, and then render the design for client approval.

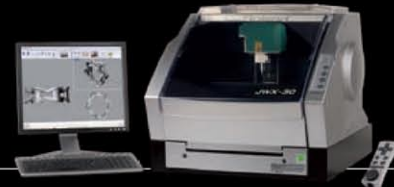


3. While you are getting on with your business, your wax master is being carved.



4. The wax master can be used to produce the final piece, or to create a master model for larger scale production.

## Produce intricate smooth surface wax models.



### Square Clamps (Small/Large)

1. Double-sided index cut



2. Rotary cut



3. Complete



### Swivel Clamp

1. 4-sided index cut



2. Flip cut



3. Complete



### Tube Clamp

1. Rotary cut

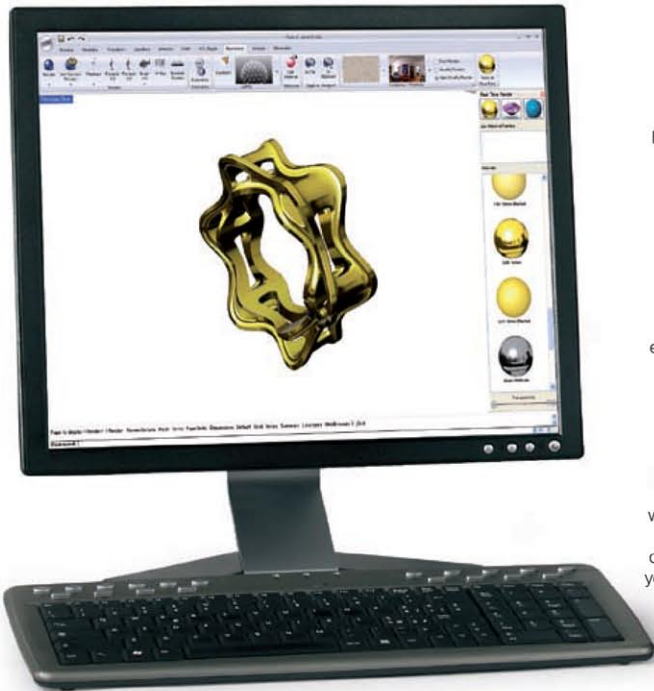


2. Complete



\*Jewellery designs and photos courtesy Kristian Saarikorpi.

# Boost Productivity and Enhance Client Communication.



Roland JewelStudio, the jewellery design software for the JWX-30, has been specifically developed for jewellery designers and goldsmiths. Roland JewelStudio allows you to digitize hand-sketches or follow simple step-by-step instructions to draw jewellery quickly and intuitively without hindering creativity.

The GemStudio feature lets you select gems in a wide variety of shapes, sizes and types from an extensive library and place them with a single click of the mouse. You can then modify jewellery to different sizes or subtly alter designs effortlessly.

Automatic Pave places a specified number of gems on the jewellery surface in a dimensionally accurate and aesthetically pleasing way.

The on-screen model can be tilted and rotated with a finesse equal to holding a real model in your fingertips. You can confirm every aspect of your design and present it to your client - giving form to your creativity and clarity for their imagination - and ensure their satisfaction with the final product.

# Imagine. Design. Create.



"Roland helps me save time, increasing my productivity and efficiency. Now I am so much happier and satisfied with my work with my Roland."

**Chalong Achawakorn**  
Jewellery Design Instructor, Thailand



"As well as improving my efficiency and accuracy, JWX gives me the ability to say yes to the client every time. I get so many thank you letters from clients now, I guess I'm exceeding their expectations."

**Hilary Corney**  
Jewellery Designer, UK [www.designersilversmiths.com](http://www.designersilversmiths.com)



"It's like this: I'm designing more and I'm producing more.

And I'm doing it faster and with less effort."

**Giuseppe Massoni**  
Jewellery Designer and Manufacturer, Italy [www.massoni-design.it](http://www.massoni-design.it)



"JWX is a machine that does the job it is made for perfectly!

It is also fast, reliable and cheap to run."

**Ger de Bruijn**  
Goldsmith - Designer, Holland [www.atelierdebruijn.nl](http://www.atelierdebruijn.nl)



# JWX-30

## Specifications

<b>Cuttable material</b>	Modelling wax
<b>X, Y, and Z operation strokes</b>	X, Y, and Z: 305 x 205 x 100 mm (12 x 8.1 x 3.9 in.)
<b>Connectivity</b>	USB (compliant with Universal Serial Bus Specification Revision 1.1)
<b>Power requirements:</b>	
<i>Voltage and frequency</i>	AC 100 to 120 V/220 to 240 V $\pm$ 10%, 50/60 Hz (overvoltage category II, IEC 60664-1)
<i>Required power capacity</i>	2.8 A (100 to 120 V)/1.2 A (220 to 240 V)
<b>Power consumption</b>	275 W
<b>Dimensions</b>	Height x width x depth: 606 x 656 x 557 mm (23.9 x 25.9 x 22 in.)
<b>Weight</b>	47 kg (104 lb)
<b>Environmental</b>	Operating environment: Temperature of 5 to 40°C (41 to 104 °F) 35 to 80% relative humidity (no condensation) Ambient pollution degree: 3 (as specified by IEC 60664-1)
<b>Accessories</b>	Power cord, Handy panel, Tools for modelling (ball end mill, diameter 3.175mm /conical end mill, diameter 3.175 mm), collet (diameter 3.175 mm), detection pin, hexagonal screwdriver, hexagonal wrench, cap screws (10), spanner (10 mm, 17mm), modelling wax, clamp holder, square clamp (large), square clamp (small), swivel clamp, tube clamp, dust tray, blower fan, User's Manual (this document), SRP Player Installation and Setup Guide, SRP Player CD-ROM, Roland Software Package CD-ROM, Roland JewelStudio DVD-ROM

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## System Requirements

<b>Computer/OS</b>	Model preinstalled with Windows Vista® (32-bit edition), Windows® XP, Windows® 2000, or upgraded computer originally preinstalled with Windows® 2000 or later (Internet Explorer 6.0 or later required)
<b>CPU</b>	Pentium III 600 MHz or faster (Pentium 4, 2.4 GHz or faster recommended)
<b>RAM</b>	512 MB (1 GB or more recommended)
<b>Optional drive</b>	DVD Drive
<b>Free hard-disk space</b>	1 GB
<b>Other</b>	At least 16-bit color (High Color) and a resolution of 1,024 x 768 or more (video card compatible with OpenGL)
<b>USB cable</b>	Use a shielded cable up to three meters (10 ft.) in length

## Options

Item	Model number	Description
<b>Finishing cutter</b>	ZEC-J3015	Cemented carbide dia. = 3.175 x 50 (L) x 5 (I) x 0.1 (W) Same as the included finishing cutter
<b>Shaping cutter</b> (ball end mill)	CAP-LN-EBD	Cemented carbide R0.5 dia. = 3.175 x 50 (L) x 1.2 (I) Same as the included shaping cutter
<b>Collets for end mill</b>	ZC-23	Diameter 3 mm, 4 mm, 5 mm, and 6 mm; 1 pc. each
	ZC-23-3	Diameter 3 mm
	ZC-23-4	Diameter 4 mm
	ZC-23-6	Diameter 6 mm
<b>Replacement spindle unit</b>	ZS-30	

dia = flute diameter, R = flute radius, I = flute length, L = overall length, W = blade width, unit = mm