# Intuitive
and Valuable
JWX-30

Discover your next jewel.

Be More Productive and Profitable with the JWX-30 Wax Master Modelling.

Introducing the JWX-30 into your jewellery wax master model production lets you benefit from all its valuable advantages without losing any of your creativity. The JWX-30 Wax Master Modelling quickly produces a wide variety of wax master models for fine jewellery from your designs - from rings and pendants to bracelets, brooches, earrings and cufflinks - designs that can exceed the limits of human dexterity. The JWX-30 also automates more laborious tasks - such as replicating left and right earrings and reducing model weight to meet stringent client demands - so that you can focus on more rewarding aspects of your craft. With the JWX-30, you can devote more time to your creative work while increasing the number of highly profitable intricate wax master models. No more eyestrain, stiff shoulders or hours tied to the bench - just pin-sharp accuracy, consistency and reliability. The JWX-30 is a complete, fast and versatile solution for jewellery wax master model production.
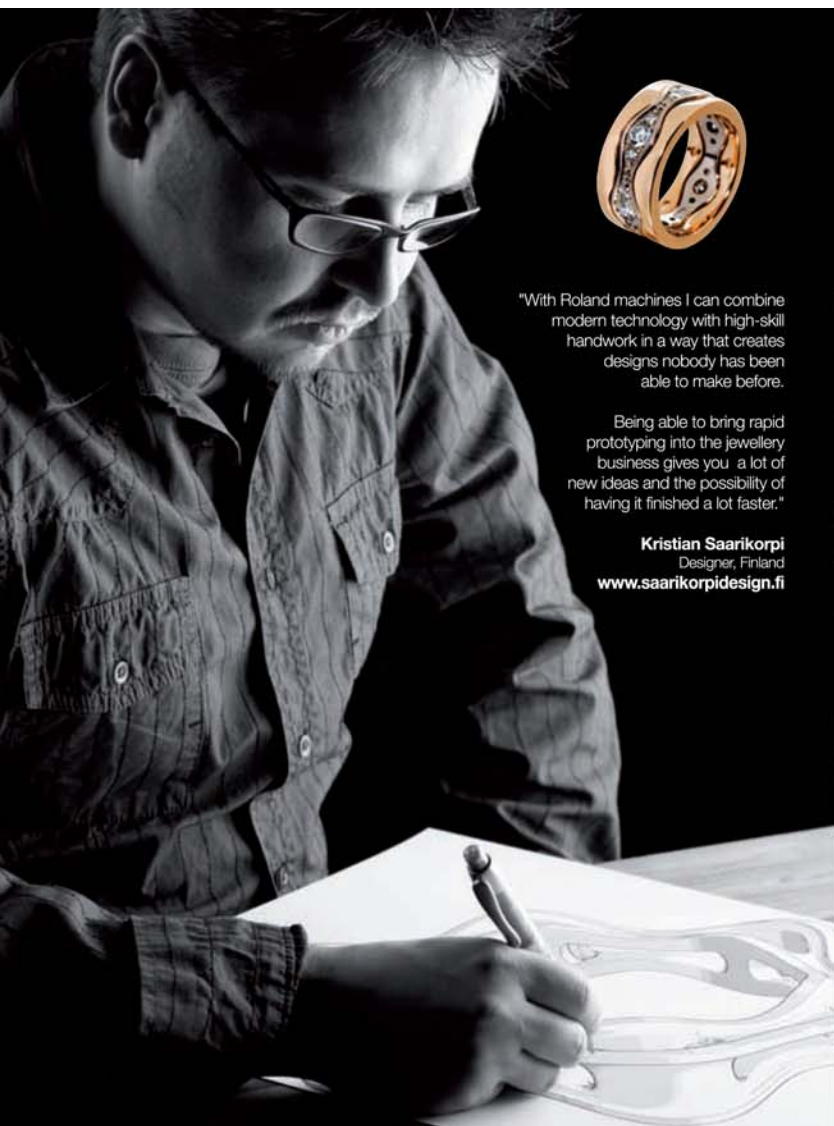
4 simple steps to release your creativity and save precious time.

.1 Create a digital model in JewelStudio software (or scan in your hand drawn concepts and trace them in the software).
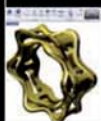
.2 Create a digital model in minutes, and then render the design for client approval.

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

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

*Jewellery designs and photos courtesy Kristian Saarikorpi.

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

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®

"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."

Hillary Corney
Jewellery Designer, UK   **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**

"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**

JWX-30

Specifications

Cuttable material	Modelling wax
X, Y, and Z operation strokes	X, Y, and Z: 305 x 205 x 100 mm (12 x 8.1 x 3.9 in.)
Connectivity	USB (compliant with Universal Serial Bus Specification Revision 1.1)
Power requirements:	
Voltage and frequency	AC 100 to 120 V/220 to 240 V ±10%, 50/60 Hz (overvoltage category II, IEC 60664-1)
Required power capacity	2.8 A (100 to 120 V)/1.2 A (220 to 240 V)
Power consumption	275 W
Dimensions	Width x depth x height: 606 x 656 x 557 mm (23.9 x 25.9 x 22 in.)
Weight	47 kg (104 lb)
Environmental	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)
Accessories	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

System Requirements

Computer/OS	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)
CPU	Pentium III 600 MHz or faster (Pentium 4, 2.4 GHz or faster recommended)
RAM	512 MB (1 GB or more recommended)
Optional drive	DVD Drive
Free hard-disk space	1 GB
Other	At least 16-bit color (High Color) and a resolution of 1,024 x 768 or more (video card compatible with OpenGL)
USB cable	Use a shielded cable up to three meters (10 ft.) in length

Options

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

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

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