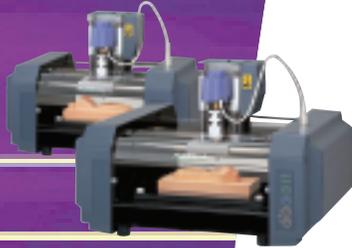


# Roland Jewelers Workbench



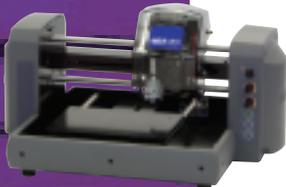
**PIX-4** \$1,995 us



**MDX-15** \$2,995 us  
**MDX-20** \$4,495 us



**JWX-10** \$ Call



**EGX-20** \$2,495 us



**RX-50** \$9,995 us



**MPX-60** \$2,495 us

Prices subject to change.

Roland has elevated the art of jewelry making with the Jewelers Workbench lineup of digital devices. Innovative engraving, photo imprinting, and 3D scanning and milling technologies allow designers to create beautiful custom jewelry in far less time. After scanning an earring, pendant, or ring, you can quickly make edits on your computer, then mill an intricate wax model. Add graphics and text for personalized heirlooms. All Roland devices include easy-to-use software to automate the jewelry design process.

## Scanning and Milling

### PIX-4 Precision Desktop 3D Scanning

The PIX-4 3D scanner uses Roland Active Piezo Sensor technology to generate 3D input for jewelry design. It's also used for reverse modeling, computer graphics and animation software. The PIX-4 has a maximum work area of 6" x 4" x 2.38" and a minimum scan pitch of 0.002".

### MDX-15 and MDX-20 Desktop Modeling

Ideal for jewelry designers working on a budget, the MDX-15 and 20 combine both milling and scanning technology. Select the spindle for precision milling of wax models or molds made of chemical wood, resin, aluminum or brass. Attach the Roland Active Piezo Sensor for detailed 3D capture with a resolution up to 0.0002". Maximum work area is 6" x 4" for the MDX-15 and 8" x 6" for the MDX-20. Both have a Z-axis height of 2.38".

## Rotary Milling

### Roland JWX-10 Jewelry Milling Machine & Engraver NEW!

Roland's new JWX-10 was designed from the ground up as a jewelry wax milling machine for the jewelry manufacturer or custom retailer. The JWX-10 is compatible with all jewelry CAD/CAM applications including Gemvision Matrix, Artcam Jewelsmith, Type3 3Design, JewelCAD, JewelSpace, and Rhino Techgems. This compact, fully enclosed, 4-axis machine includes a 20,000 rpm, variable-speed spindle and specially-designed holding fixtures for non-proprietary, off-the-shelf ring and flat wax stock. Includes 4-axis CAM software, user manuals, tools, wax and comprehensive jewelry milling tutorials.

## Engraving

### EGX-20 Trouble-Free 3D Engraving

The EGX-20 is an easy-to-use, low-cost desktop engraver. It uses an Active Surface Tracking system to prevent scratches on engraving material and maintain a constant engraving depth, even on irregular surfaces. Novice users can easily engrave anything including watches, lighters, charms and corporate awards. The EGX-20 has a 12-watt, 15,000-rpm spindle. Maximum work area is 8" x 6" with a Z-axis height of 1.25".

### RX-50 Spiral Axis Engraver NEW!

The RX-50 employs a rotating work table in conjunction with a high-speed, 50,000-rpm spindle to produce three-dimensional reliefs for medallions, coins, dies, promotional items, awards and personalized gifts. It operates quickly, making it ideal for mall kiosks and jewelry shops. The RX-50 engraves brass, gold, silver, platinum, titanium and acrylic. Maximum work diameter is 2".

### MPX-60 Photo Impact Printing NEW!

The second generation MPX-60 photo impact printer provides an easy, low cost way to personalize jewelry, pendants, tags, awards, nameplates and promotional items. It uses a diamond-tipped stylus to permanently imprint photos, illustrations, logos and text into metals and acrylics. Maximum work area is 3.15" x 3.15".

do **MORE**™

# Roland Software

## ROLAND HAS STREAMLINED THE JEWELRY-MAKING PROCESS WITH A FULL SUITE OF POWERFUL SOFTWARE.

**Dr. Engrave** – Dr. Engrave makes it fast and easy to customize watches, bracelets and Zippo lighters. It converts Windows® TrueType fonts into single-line fonts and automatically lays out jobs in the most efficient way possible.

**Medal Editor** – Medal Editor 3D design software comes bundled with the RX-50. The software enables customers to import JPEG and BMPs and convert them into 3D reliefs, as well as add text. Medal Editor is compatible with Windows® 98SE/Me/2000/XP.

**3D Engrave** – 3D Engrave uses 2D graphics or bitmaps to generate 3D relief models.

**MODELA Player** – MODELA Player accepts DXF, IGES and STL files exported from popular CAD/CAM software. It enables uniform 3D scaling and lets users select milling direction, depth and speed.

**Virtual MODELA** – Virtual MODELA is a dedicated toolpath simulation program for MODELA Player. It simulates finished 3D models and accurately estimates machining production time. Lighting effects, material color and bitmap overlays can be added to accurately represent the finished product.

**Dr. Metaza** – Bundled with the MPX-60, Dr. Metaza photo-imprinting software allows even first-time users to start editing images and adding text, frames and borders immediately. With the latest version, users can quickly remove backgrounds and rotate images and text. The software imports data files in JPEG or BMP format and also accepts data from digital cameras and TWAIN compatible scanners.

**Dr. PICZA** – Dr. PICZA is a comprehensive, dedicated scanning software. Packed with easy-to-use functions, it can reduce data volume by reducing the resolution of all or part of the captured data, or it can rescan part of the object at a finer scanning pitch and automatically combine it with the original data. Dr. PICZA supports an array of data output formats including DXF (CAD data), STL 3DMF (3D format standard), gray scale BMP and coming soon, IGES export ability. Dr. PICZA comes bundled with the PIX-4 and MDX-15/20.



	Dr. Engrave	Medal Editor	3D Engrave	MODELA Player	Virtual MODELA	Dr. Metaza	Dr. PICZA
PIX-4					■		■
MDX-15/20			■	■	■		■
EGX-20	■		■	■	■		
RX-50		■			■		
MPX-60						■	
JWX-10			■	■	■		



**Built with precision. Backed with passion.™**