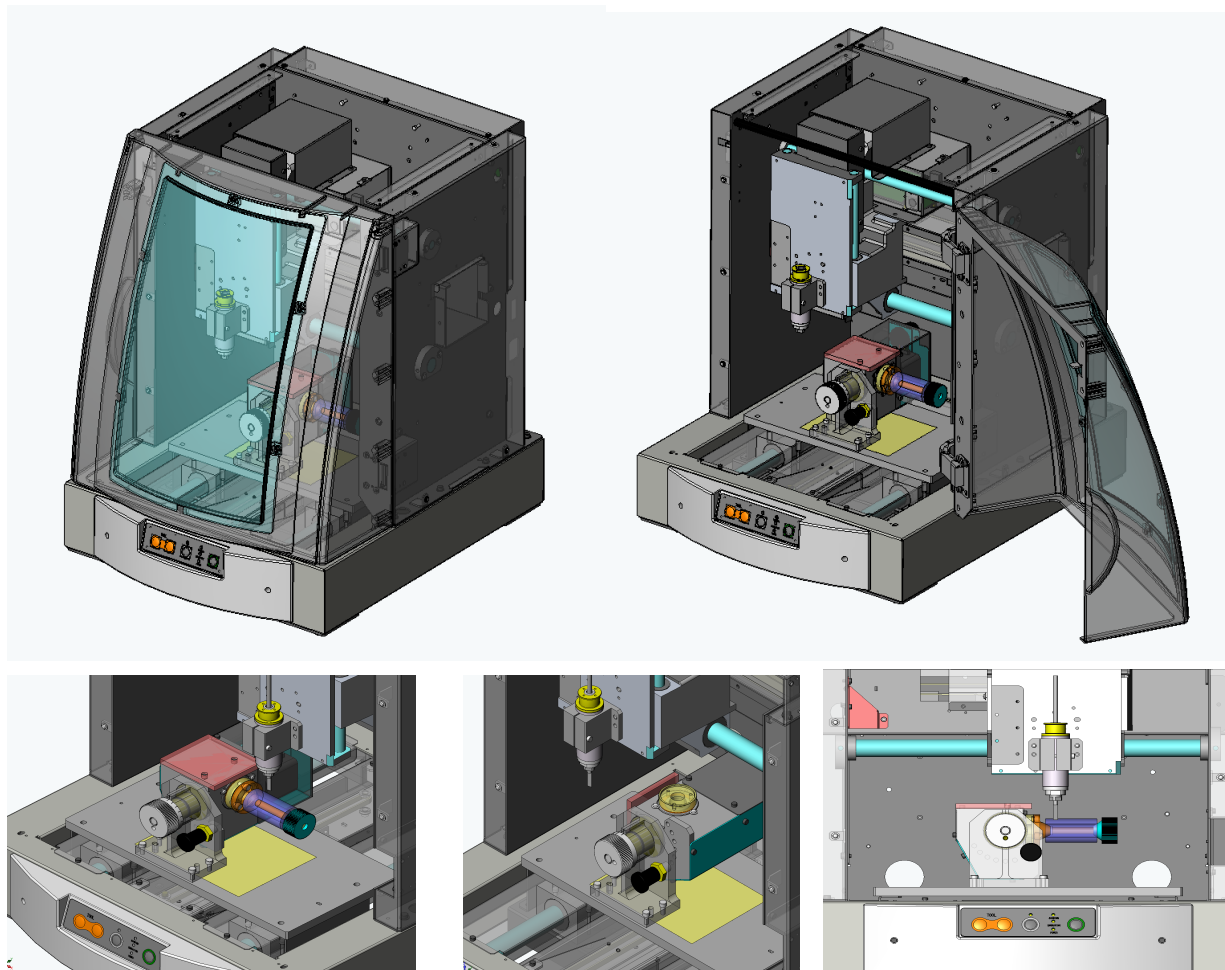


# Roland JWX-10 Jewelry Milling Machine & Engraver

Roland's new JWX-10 was designed from the ground up as a production jewelry wax model 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 high speed 20,000 rpm variable speed spindle and specially designed holding fixtures for non-proprietary, off-the-shelf ring and flat jewelry wax stock. Designed and manufactured in Roland's internationally acclaimed ISO-9001 and 14001 certified "Digital Factory" where quality and reliability are assured. Complete system has everything needed to get started including, 4 axis CAM software, user manuals, tools, wax and comprehensive jewelry milling tutorials. Available 1/1/05



## **JWX-10 Specifications:**

Table size: 105(W), 105(D) mm

Axis travels: 105(X), 105(Y), 105(Z) mm

Maximum stock thickness: 120mm

XYZ motor: DC stepper motor

Software resolution: 0.01mm/step

Mechanical resolution: 0.002mm/step

Spindle motor: 100W DC brushless motor

Spindle speed: 5000to20000rpm

Tool holder: Top loading engraving tool holder (4.36mm) and bottom loading collet/endmill tool holder

Computer interface: USB

International power supply: AC100-240V±10%、50/60Hz

Power consumption: 150W

Acoustic noise level: No-load operation: ?dB(A) standby: ?dB(A) or less (According to ISO7779)

Dimensions 420(W), 517(D), 548(H)mm

Weight: ?kg

Operating environment Temperature: 5to40°C humidity 35to80%

Accessories: Power cord, collets, wrenches (17,10mm), hexagonal screw driver, hexagonal wrench, CD-ROMs, manuals

### **4<sup>th</sup> Axis Specification**

Supported stock materials: Wax, Resin, Urethane, Nylon, Delrin, ABS

Maximum stock size Items within range of diameter

4<sup>th</sup> axis center of rotation height 65mm from top of table

35mm\*width70mm Clamping method Self-centering Scroll chucks [3Jaw]

X-axis effective stroke 105mm

Z-axis effective stroke 105mm

Maximum Angle of rotation: ?

Maximum 4<sup>th</sup> axis (A0) speed: 6 rpm

4<sup>th</sup> axis (A0) mechanical resolution: 0.0225°

Static precision

Maximum stock weight: ?kg

Maximum stock moment of inertia: ?kgm<sup>2</sup>

4<sup>th</sup> axis control: (3axis simultaneous control)

Packed dimensions: ?(W), ?(D), ?(H)mm

Packed weight: ?kg