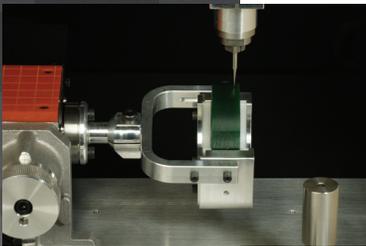


JWX-10

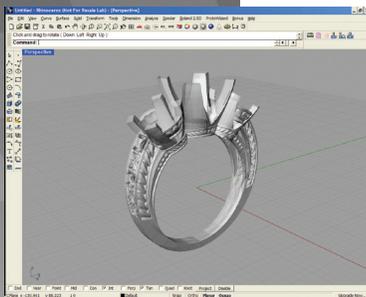
Jewelry Model Maker



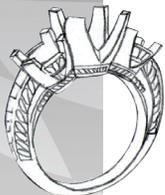
Customers will appreciate the exquisite beauty and detail.



Optional ProtoWizard fixtures capture fine details and produces smooth surfaces.



Optional ProtoWizard CAM software steps you through the model making process.



Import CAD files in popular STL format.



Produce perfect, detailed wax models in just a few hours! Roland has made this daunting task easy with the JWX-10 model maker. As the world's first and only jewelry-specific desktop mill, it makes jewelry design and production faster, easier and more profitable.

Just send your designs to the JWX-10 with bundled CAM software, and get back to the creative side of your business. The stylish desktop device will quietly and automatically turn out precise, castable wax models for rings, pendants, bracelets and charms.

With bundled software and user manuals the JWX-10 is a complete jewelry model making solution. Roland's optional ProtoWizard Jewelry CAM software and unique fixtures makes the entire process a snap. The software wizard guides you step by step from importing an STL file from any Jewelry CAD software to quickly generating precise NC files. ProtoWizard's specially designed 3-sided ring fixture and 360 degree arbor automates the production of even the most complex jewelry models.

Roland[®]
Advanced Solutions Division

Specifications

JWX-10 Jewelry Model Maker

Acceptable materials	Modeling wax, plastic, wood, epoxy composites	
X, Y, and Z operation strokes	Up to 5-1/2 (X) X 4-1/8 (Y) X 4-1/8 (Z) in. [140 (X) x 105 (Y) x 105 (Z) mm]	
Maximum angle of rotation	± 18 x10 ⁵ ° (± 5000 rotations)	
Distance from spindle tip to work plate	Up to 4-15/16 in. (126mm)	
Dimensions of workpieces installable on the rotary axis unit	Up to: 3-3/8 in. (85 mm)	
Loadable workpiece weight	Up to 8.8 lb (4.0kg)	
XYZ-axis motor	Stepping motor	
Feed rate	XY-axis: 0.0039 to 1.9 in./s (0.1 to 50 mm/sec.) Z-axis: 0.0039 to 1.1 in./s (0.1 to 30 mm/sec.) A-axis:0.02 to 11.79rpm	
Software resolution	0.00039 in./step (0.01 in/step)	
Mechanical resolution	XYZ-axis: 0.001 in/step (0.025mm in/step) A-axis : 0.0225 deg.	
Spindle motor	DC brushless motor, Maximum 100W	
Spindle rotation	Up to 20000 rpm	
Tool chuck	Cutter holder (4.36 mm) and collet	
Interface	USB connector, sensor connector, rotary axis unit connector, expansion connector	
Power supply	Voltage and frequency	AC 100 to 240 ± 10%, 50/60 Hz
	Required power capacity	2.1 A
Power consumption	Approx. 210W	
Acoustic noise level	No-load operation	60 dB (A) or less (According to IS07779)
	Standby	40 dB (A) or less (According to IS07779)
Dimensions	17-3/8 (W) X 20-3/8 (D) X 21-7/8 (H) in. [440 (W) X 517 (D) X 554 (H) mm]	
Weight	88.2 lb (40 Kg)	
Operation temperature	41 to 104°F (5 to 40°C)	
Operation humidity	35 to 80% (no condensation)	
Accessories	Power cord, collet, cutter, sensor cable, chucking knob, work plate (large), hexagonal wrenches, hexagonal screw drivers, spanners, Roland Software Package CD-ROM, MODELA Player4 CD-ROM, user's manual, Roland Software Package and MODELA Player4 installation and setup guides	

Enlarged View *Actual Size* *Enlarged View* *Actual Size* *Enlarged View* *Actual Size*

Roland ProtoWizard takes jewelry making to the next level. The software and fixture bundle quickly generates NC files and makes it easy to mill even the most complex designs.

Just secure the wax with ProtoWizard's 3-sided ring fixture and easily mill both sides of a ring, or flip the model and mill up to 60 degrees in both directions.

The ProtoWizard ring arbor lets you cut detailed designs 360 degrees around a ring. Never has ring making been this simple!

Roland reserves the right to make changes in specifications, materials or accessories without notice. Your actual output may vary. For optimum output quality, periodic maintenance to critical components may be required. Please contact your Roland dealer for details. No guarantee or warranty is implied other than expressly stated. Roland shall not be liable for any incidental or consequential damages, whether foreseeable or not, caused by defects in such products. All trademarks are the property of their respective owners.

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Advanced Solutions Division

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