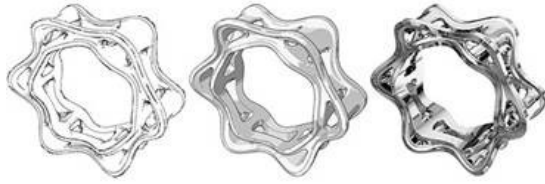# JWX-30 Milling Machine Features

Overview:

The JWX-30 desktop mill quickly produces a wide range of wax master models with accuracy and detail that far exceed that possible by hand-cutting. The JWX-30 features include:

- Roland JewelStudio (Rhino Gold) design software
- Professional CAM software included
- Integrated fixtures included
- Double-edged tool yields fine detail
- Compact, fully enclosed device
- High-speed (30,000 rpm spindle)
- Fine precision (0.00125 mm/step)
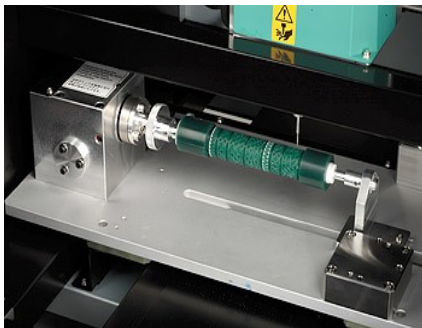- Maximum work area: 305(W) x 205(D) x 100(H) mm, varies with fixture

The bundled JewelStudio (Rhino Gold) design software automates design tasks such as Pave creation and placement, Gem creation and placement, Ring setup and scaling, Channel creation and placement. JewelStudio is an OEM'd version of Rhino Gold – more information on this product is at:

- http://www.3dtechnics.com/support_rhino_gold.phtml

Features:

a) High-Speed Production

Powered by a high-speed 30,000 rpm spindle and 100W DC Brushless motor, the JWX-30 quickly mills out models for rings, bracelets and charms in a fraction of the time it takes to produce them by hand. Typical wax jewelry models are milled in just a couple of hours.

b) Automated Production Features

Jewelry makers with existing CAD files can use the JWX-30 to mill even their most complex designs. Easy-to-use fixtures securely hold wax cubes and tubes in place and facilitate unattended production of single or multiple wax master models.
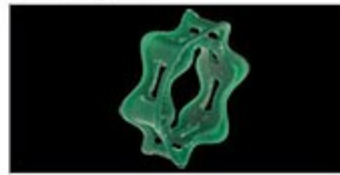
Square Clamps (small/large)

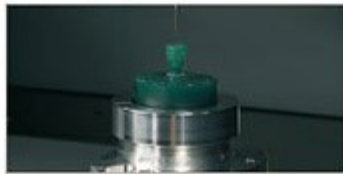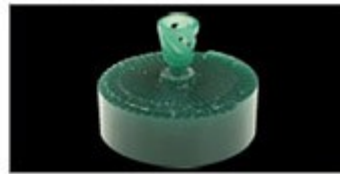| 1. Double-sided cut | 2. Rotary cut | 3. Complete |

Swivel Clamp

| 1. Multiple-sided cut | 2. Flip cut | 3. Complete |

Tube Clamp

| 1. Rotary cut | 2. Complete |

c) High Quality

The JWX-30 is able to produce detailed resolutions up to 0.00125 mm/step, and it also comes with a unique, double-edged cutting tool that yields exceptional detail.
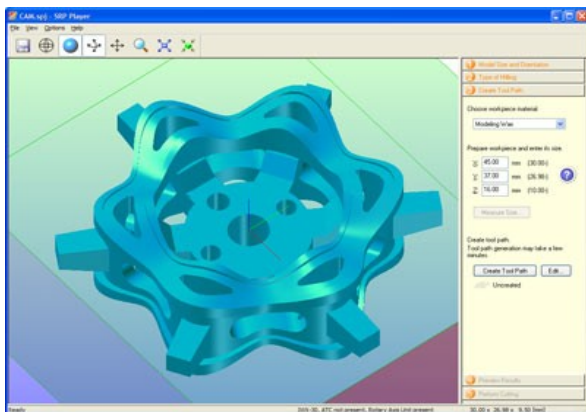
c) Compact, Fully Enclosed, and Easy to Use

The JWX-30 is a compact and fully enclosed desktop mill, letting the desktop mill run quietly and safely in any office or jewelry shop.

The maximum work area is up to 305mm (X) x 205mm(Y) x 100mm (Z)mm. This is large enough to produce rings, bracelets and charms. The work area varies depending on the loaded fixture.

d) Comes with a full CAM package for Toolpathing

The bundled SRP Player CAM software automatically generates precise tool paths. The user-friendly, wizard-based program offers uniform 3D scaling, support for 4-axis milling, and simulation of finished 3D models. It lets designers quickly review the simulated model on the monitor and send it to the JWX-30 for production. The end result is faster production, tighter dimensional accuracies and a smooth surface finish.

e) Comes with Roland JewelStudio (AKA Rhino Gold)

The JWX-30 comes complete with Roland JewelStudio which can assist with digitizing your hand-sketches or help you quickly draw the design in the software with intuitive, step-by-step instructions.

JewelStudio comes with an extensive library of gem shapes, sizes and types, making it easy to modify jewelry sizes or subtly alter designs. The software can also automatically place a specified number of gems in a designated array (Pave).

The on-screen model can be tilted and rotated to simulate holding the real model in your hand. You can show this to the client for confirmation, or render the screen images and present them to the customer for confirmation.