

## *Innovation in the Engraving and Marking Industries*

# GEM-RX5

## *The Perfect Small Retail Engraving Machine*



- The GEM-RX5 is the next generation of affordable engraving machines from U-MARQ. With a flat engraving area of 160 x 75 mm and 50 mm cylindrical capacity and self-centring vice, it's perfect for dealing with individual items or production runs.
- Combining flat bed and cylindrical engraving has never been achieved in a computerised engraving machine of this size and quality before.
- The U-MARQ Gem-RX5 is the fastest and easiest gift and jeweller, 4-axes mechanical engraver in the World.
- The GEM was the first truly versatile, small, affordable engraver to suite any budget, The GEM-RX5 continues in this tradition.
- The GEM-RX5 comes with self-centring vice, jigs for holding a wide variety of merchandise (trophy plates, lighters, hand bag mirrors, pet tags etc.). With the cylindrical axis you are able to engrave 360° round a pen or shot glass.
- The high-speed spindle motor enables you to burnish in coated metals as well as deep engraving in to plastics and some metals. Ease of use enables everyone to engraving gifts, rings and jewellery to a professional standard, after just a short introduction.
- The GEM-RX software has been configured to make these normally complicated task, ease for the ordinary retailer or their staff to use to get spectacular results.

## Pens

One of the challenges for a traditional 3-axis machine is how to engrave a pen, or other round objects. The U-MARQ GEM-RX5 offers the perfect answer, by using true 4-axis functionality; it will engrave 360 degrees around a pen or other small cylindrical objects. The GEM 8 software has been configured to make this normally complicated task, ease for the ordinary retailer or their staff to use to get spectacular results.

## Pet Tags

The GEM-RX5 is ideal for engraving Pet Tags quickly and efficiently with template for all U-MARQ Pet Tags, (much higher quality than most) and other makes. Why be restricted to text, with the GEM-RX5 you can engrave any type of graphic images, logos its only limit is your imagination.

## Inside / Outside Rings

By fitting the U-MARQ optional Inside/Outside Ring Engraving attachment, your GEM-RX5 is turned into a fully features jewellery engraving centre with virtually no limits. At last the perfect machine for the retail jeweller, to offer in house engraving services to the customer.

## Jigs

The wide range of push-fit jigs quickly clamp many items, including; scrolls, medals, cufflinks, watches, trophy plates, pet and ID tags, rings, bracelets, clocks, pendants, baby gifts, key fobs, lighters, and other items. With unique pressure settings, even fine gold lockets can be engraved without fear of damage.

### Technical Specifications

Flat work engraving area	160 x 75 mm (6.0" x 3.0").
Cylindrical work size	70 mm (2.75") diameter without nose cone, with Bangle adapter.
Z axis travel	62 mm (2.45").
Z axis clearance	30 mm (2.0") top of beam, 50 mm (2.0") top of jaws.
Maximum vice opening	145 mm (5.7").
Spindle motor	14,000 rpm, 42 W Brushless Hall Effect DC motor.
Interface to PC	USB
Construction	Stainless steel spindle, lead screws (Teflon coated) and linear rails mounted on a steel chassis.
Dimensions	340 x 275 x 240 mm (13.4" x 10.8" x 9.4") with integrated controller, weight 18 kg (40 pounds).
Power Requirements	110 - 240 volts AC 3 amps
Acoustic noise level	No-load operation: 75 dB (A) or less standby: 45 dB (A) or less.
Operating environment	Temperature: 5 to 38°C (41 to 100°F) humidity: 35 to 80 % (no condensation).
Supplied accessories	Power cable, USB cable, 120° diamond cutter, 0.3 mm carbide cutter, cutter knob, vernier nose cone, light touch, U-MARQ GEM-RX engraving software package, Quick Start Guide.
Minimum PC requirements	Dedicated 2 GHz dual core PC running Windows XP (with service pack 2+), Windows Vista or Windows 7, 1 Gb RAM, 100 Mb free hard disk space.
Engravable materials	Most materials that are suitable for rotated or diamond drag.

Specifications are liable to change without prior notice.