



## *Innovation in the Engraving and Marking Industries*

# **GEM-TX5**

## ***The Perfect Small 3 Axis Engraving Machine***

The GEM-TX5 With a flat engraving area of 160 x 75 mm with self-centring vice.

- **The Machine**

The U-MARQ GEM-TX5 is the fastest and easiest general compact 3-axes mechanical engraving machine in the World to suit any budget. The GEM-TX5 comes with self-centring vice, jigs for holding a wide variety of merchandise (trophy plates, lighters, hand bag mirrors, pet tags etc.). The high-speed spindle motor enables you to burnish in coated metals as well as deep engraving in to some plastics and metals. Ease of use enables anyone to engrave to a professional standard after just a short introduction. The GEM-TX software has been configured to make normally complicated task, ease for the ordinary retailer or their staff to use and get spectacular results.

- **Pet Tags**

The GEM-TX5 is ideal for engraving Pet Tags quickly and efficiently with template for all U-MARQ Pet Tags, (much higher quality than most) and many other makes. Why be restricted to a small range of tags from one supplier. With the GEM-TX5 you can engrave any type of graphic images, logos on almost any tag, the only limit is your imagination.

- **Jigs**

The wide range of push-fit jigs quickly clamp any item, including; scrolls, medals, cufflinks, watches, trophy plates, pet and ID tags, rings, bracelets, clocks, pendants, baby gifts, key fobs, lighters, decanter labels, photo frames, hip flasks, business card holders, laminate signs, badges, labels, brass plates and other items. With unique pressure settings, even fine gold lockets can be engraved without fear of damage.

**The ultimate small 3 axis engraving machine, at the right price.**



405 North Wickham Road, Suite C  
Melbourne, FL, 32935 USA  
Phone (321) 622-8946

## Pet Tags

The GEM-TX5 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-TX5 you can engrave any type of graphic images, logos its only limit is your imagination.

## 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").
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, light touch, U-MARQ GEM-TX 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.