



*Innovation in the Engraving
and Marking Industries*

GEM-FX5

The Perfect Versatile Flatbed Engraving Machine

- The GEM-FX5 is a great professional engraving system.
- The GEM-FX5 can cope with most industrial marking tasks, labels, switch sockets, tags, tools, identification plates. The GEM-FX5 can handle them all with speed and precision.
- With a generous engraving area of 265 x 205 mm (10.4" x 8"), engraving speeds of up to 133 mm/sec (diamond drag), no task is too demanding.
- Type the text into the easy to use U-MARQ FX engraving software, insert the item to be engraved into the machine. The GEM-FX5 then engraves the object in just a few seconds.
- Equipped with the state-of-the-art U-MARQ revolutionary series 4 control system, the GEM-FX5 will connect to a standard PC or laptop using the USB interface.
- Its ease of use enables everyone to engraving labels, tags, name plates etc., to a professional standard, after just a short introduction and training sessions on the machine.
- The uncluttered design combined with the mechanical stability, enables easy engraving of large or small items. All this on the same system, which seconds later can be engraving lettering only a fraction of a centimetre high.



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Perfect Engraving

The U-MARQ GEM-FX5 Engraving Machine, can engrave labels, valve tags, valve labels and many other types of industrial marked products.

Centre Vice

Using the Centre Vice, Standard Jigs and Jig Pins, turns the GEM-FX5 into an exceptionally fast and efficient centre vice engraver.

Logos and Graphics

Why be restricted to text, with the GEM-FX5 you can engrave any type of graphic images and logos with the ability to import in various industry standard file formats. These can then be edited and manipulated to match specific customer requirements, before committing to material.

Industrial Engraving

The U-MARQ GEM-FX5 can cope with most industrial marking tasks. Labels, switch sockets, tags, tools, identification plates the GEM-FX5 can handle them all with speed and precision. With a generous engraving area of 265 x 205 mm (10.4" x 8"), engraving speeds of up to 133 mm/sec (diamond drag), no task is too demanding for this small foot print industrial engraver.

Technical Specifications

Flat work engraving area	265 x 205 mm (10.4" x 8.0").
Z axis travel	65 mm (2.5").
Z axis clearance	30 mm (2.0") top of beam, 50 mm (2.0") top of jaws.
Maximum vice opening	Optional centre vice 180 mm (7").
Spindle motor speed	14,000 rpm.
Power of spindle motor	42 W Brushless DC motor.
Interface to PC	USB
Construction	Stainless steel spindle, lead screws (Teflon coated) and linear rails mounted on a steel chassis.
Dimensions	460 x 390 x 290 mm (18" x 13.35" x 11.4") with integrated controller, weight 24 kg (52 pounds).
Power Requirements	110 - 240 volts AC 3 amps into external 24 volt DC power supply.
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-FX engraving software package, Quick Start Guide 24 DC volt power supply.
Minimum PC requirements	Dedicated 2 GHz dual core PC running Windows 7, Windows 8 or Windows 10, 1 Gb RAM, 100 Mb free hard disk space.
Engravable materials	Most materials that are suitable for rotated or diamond drag and some other materials that are suitable for engraving.