

U-MARQ GEM-FX4

The perfect counter top Engraving Machine



Upgraded

The release of the GEM-FX4, is a major revamp of the already popular GEM-FX. The main modification is the replacement of the cable driven "Z" axis with a direct drive stepper and lead screw. This major modification will allow you to use fixed or floating depth control on the "Z" axis and provides for a much higher precision, when engraving and cutting. To compliment the "Z" axis modification, we have also fitted a new Cartridge Spindle assembly, this can be replaced by removing a single screw and can easily be returned to your Dealer for refurbishing if required. Look no further for a high quality, high precision flatbed engraving and profiling machine

User friendly

Equipped with the state-of-the-art and easy to use U-MARQ GEM-FX4 engraving software, the GEM-FX will connected to a standard PC or laptop. Its ease of use enables everyone to engraving gifts, jewelry, name plates etc., to a professional standard, after just a short introduction to the machine.

Design

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 millimeter high on delicate jewelry.

IT'S REALLY IN A CLASS OF ITS OWN !

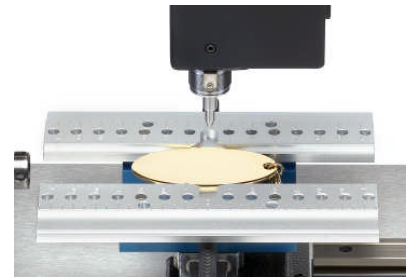
Perfect Engraving

The U-MARQ GEM-FX4 Engraving Machine, can engrave gift and jewellery items. It eliminates the traditional waiting time for engraving and provides new business opportunities for the retailer to engrave items right in front of the customer. The customer's personal signature or sketches can even be engraved directly using the FreeHand Option. The GEM-FX is the ultimate and unchallenged professional engraving system.

Industrial Engraving

The U-MARQ GEM-FX4 can cope with most industrial marking tasks. Labels, switch sockets, tags, tools, identification plates the GEM-FX4 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 to demanding.

Tags



Type the text into the easy to use U-MARQ engraving software, let the customer check spelling and insert the pet, key or ID tag into the machine. The GEM-FX4 then engraves the object in just a few seconds.

FreeHand

Get the customer to write a signature or greeting on the tablet, then watch the GEM, engrave the item immediately, in the customers own



handwriting. This happens without any tedious scanning and vectorising

processes and is a World exclusive, with U-MARQ Engraving Machines.

THE ULTIMATE IN PERSONALISATION !

Technical specifications

Flat work engraving area	265 x 205 mm (10.4" x 8.0").
Z axis travel	67 mm (2.63").
Z axis clearance	90 mm (3.5") to the bed.
Maximum vice opening	With optional centre vice 140 mm (5.5").
Spindle motor speed	14,000 rpm.
Power of spindle motor	42 W DC motor.
Feed rates	Electronically controlled micro stepping, Engraving speeds up to 133 mm/sec (Diamond Drag), probably the fastest in the industry.
Interface to PC/Laptop	Serial and USB (with adapter).
Mechanics	Stainless steel spindle, lead screws and precision linear rails, steel chassis
Software	U-MARQ 32 bit Windows software, with 100 Engraving fonts, optimised to run the GEM-FX.
Engravable materials	Most materials that are suitable for rotated or diamond drag etc.
Dimensions	460 x 390 x 290 mm (18" x 15.35" x 11.4") with integrated controller, weight 24 kg (52 pounds).
Supplied accessories	Power cable, serial cable, USB to Serial Converter, 120° diamond cutter, STC3 carbide cutter, cutter knob, vernier nose cone, light touch, U-MARQ GEM-FX engraving software package, Quick Start Guide and Reference Manual.
Minimum PC/Laptop requirements	1GHz Pentium 4 PC running Windows 2000 or XP, 256 Mb RAM, 100 Mb free hard disk space, 256 color SVGA display, CD-ROM drive and mouse.
Centre vice	Available as an optional extra.
Jigs	Various Jig are available as an optiona extra.

Our Aim

We are committed to provide our customers with systems for quality engraving, regardless of their type of business or personal skill. This combined with machines that are feature rich but easy to use! Manufactured to the highest quality standards at the most affordable price! Using the most innovative and up to date in-house technology! At the best possible prices!

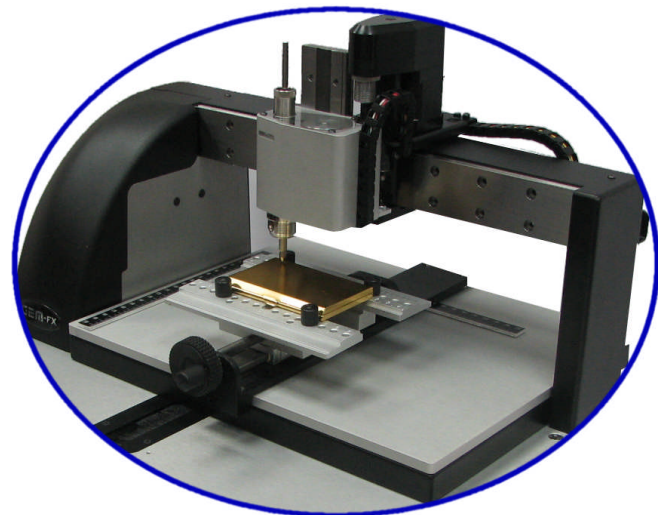


New business opportunity

An instant engraving system can pay itself back in less than three months. By delivering less than ten personalized items each day. As this is less than what the system can do per hour, the payback can be even faster; depending on how visible to the customers, this new opportunity is made.

About U-MARQ

U-MARQ Ltd., manufacture their entire product range in the United Kingdom. All Software and Electronics are developed by U-MARQ Ltd at their offices in Copenhagen and Milton Keynes. Our aim is to provide you with the best designed, best quality products at the outstandingly low prices, to enhance the profitability in your business. We do this by using our in-house expertise in Electronic and Software design with innovative Mechanical design and Production Techniques.



This data sheet is valid from September 2006, subject to change without notice.