

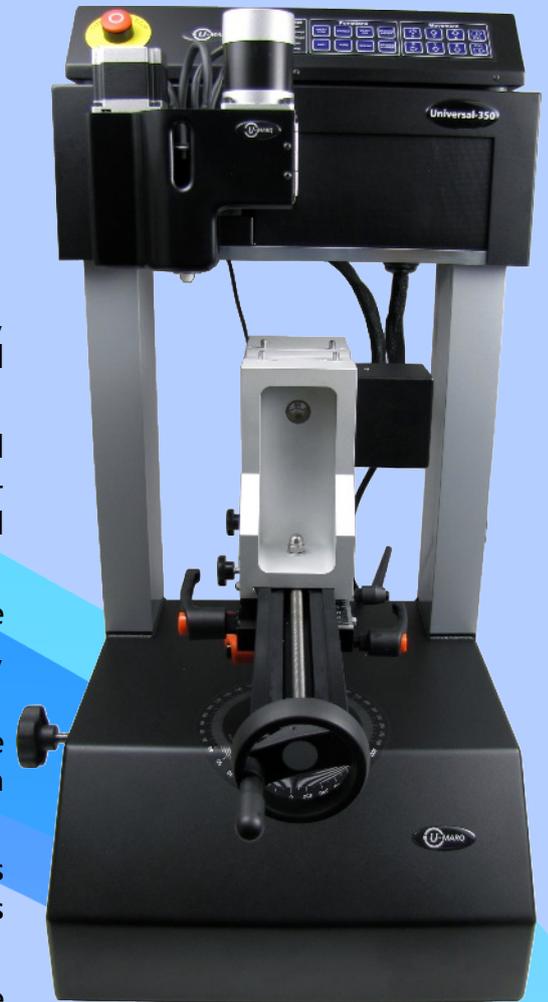


*Innovation in the Engraving
and Marking Industries*

Universal-350

The Ultimate Volume Four Axes Engraving Machine

- The U-MARQ Universal-350 is a true four axis machine, giving the user unprecedented control over the cylindrical axis.
- The cylindrical axis can be angled to cope with conical shapes or used in automatic centre locating mode for regular cylinders and can be raised or lowered for unusual shaped and sized objects.
- Ideal for the engraving or industrial marking workshop. The uncluttered design combined with the mechanical stability, enables easy engraving of large or small items.
- All this on the same system, which can be engraving a large logo and seconds later can be engraving lettering only a fraction of a millimetre high on a dial gauge.
- The Universal-350 will engrave large tankards, large glass bowls, brass plaques, aluminium, signage, multiple badges and much, much more!.
- The Universal-350 all new high quality, high speed spindle which is almost noiseless, it's ideal for ant engraving workshop.



Optional attachments shown for illustrative purposes

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Industrial Engraving

The Universal-350 is the ideal machine for industrial engraving and marking of flat and cylindrical parts, identification plates, graduated scales, consecutive serial numbering, tags, tools and a host of other items. With the ability to engrave with high accuracy and efficiency into a variety of materials, the uses for the Universal-350 are endless. With a generous engraving area of 231 x 182 mm (9.1" x 7"), engraving speeds of up to 133 mm/sec (diamond drag), no task is too demanding.

Cylindrical

The Universal-350 is a true four axis machine, giving the user absolute control over the cylindrical axis. The cylindrical axis can be used to engrave trophies, tankards and glass. Using the unique U-MARQ Depth Profile function in our Universal Engraving Software (supplied as standard), conical and curved surfaces are easily coped with. For ultimate versatility the vice beam swings 180° to enable you to engrave larger text areas required on some items. In fact the Universal is the ideal engraving machine for the engraving workshop or industrial workshop for general engraving as well as high precision marking, at a very affordable price.

Software

The Universal Engraving Software has been tailored to be easy to use without sacrificing functionality, making comprehensive training sessions easy and quick.

Technical Specifications

Flat work engraving area	240 x 132 mm (9.5" x 5").
Cylindrical work size	254 mm diameter (10"), up to 406 mm (16") 406 mm in length depending on item.
Z axis travel	55 mm (2.17").
Maximum vice opening	430 mm (16.8").
Spindle motor speed	18,000 rpm.
Power of spindle motor	100 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	610 H x 420 W x 840 mm (24.0" x 16.5" x 33.0"), 84 Kg (185 pounds).
Power Requirements	110 - 240 volts AC 4 amps
Acoustic noise level	No-load operation: 80 dB (A) or less standby: 50 dB (A) or less.
Operating environment	Temperature: 5 to 38°C (41 to 100°F) humidity: 35 to 80 % (no condensation).
Supplied accessories	USB cable, 120° diamond cutter, carbide cutter, cutter knob, 85 mm cone, face plate, standard jig, U-MARQ Universal engraving software package, external 24 volt DC Power Supply, Quick Start Guide.
Minimum PC requirements	Dedicated 2 GHz dual core PC running Windows 7, Windows 8 or Windows 10, 1Gb RAM, 100 Mb free hard disk space.
Engravable materials	Most materials that are suitable for rotated or diamond drag and some materials that are suitable for deep engraving.

Note - For safety Universal-350 should be mounted on a solid flat surface and is not recommended to be free standing

This Data Sheet is correct at 14-12-2017