



Permanent Stress Free Metal Marking



Safe, Simple Operation

Economical, fast, simple and safe, the Marking Methods Electro-Chemical Marking process requires only five components:

1. Power Unit
2. Marking Applicator
3. Stencil
4. Electrolyte
5. Cleaner

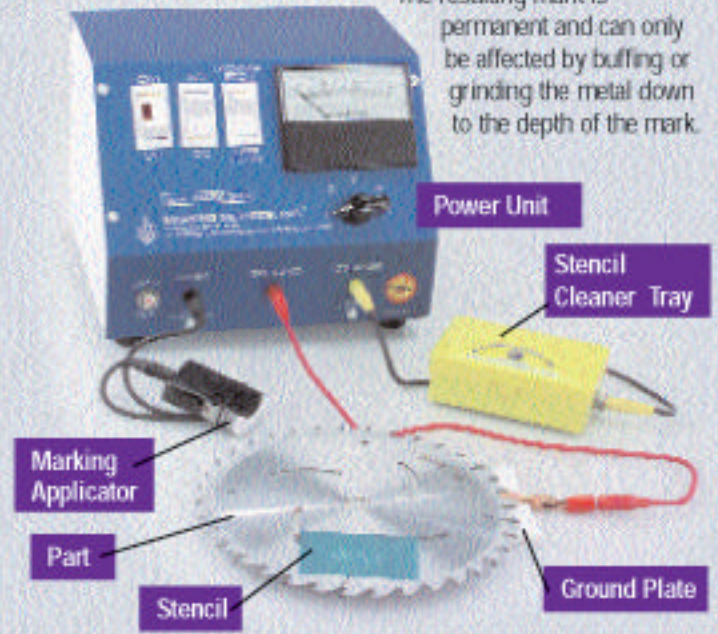
Operators can permanently mark any design into metallic materials in just seconds. To produce a mark: 1) Place the part to be marked on a ground plate and position the stencil. 2) Place the marking applicator, moistened with electrolyte, on top of the stencil for a second or two. 3) Remove the stencil and wipe the part with cleaner. The process is really that simple. The power unit, stencil and electrolyte do the work.

The resulting mark is permanent and can only be affected by buffing or grinding the metal down to the depth of the mark.

Since 1954 Marking Methods has maintained leadership in permanent and stress-free Electro-Chemical Marking of metals, alloy and platings. The low-cost process has earned international acclaim for simply and safely marking thousands of products from pacemakers and golf club heads to bearings and nuclear reactor components.

Unlike other methods for permanent marking, such as steel stamping, laser engraving, vibro-etching and mechanical engraving, the Electro-Chemical Marking process will not weaken or distort your metal parts because the molecular structure of the part is not altered beyond the depth of the mark. Even thin-wall parts can be safely and permanently marked without damage.

Virtually any image can be marked such as company logos, trademarks, part numbers, scales and detailed graphics. Character sizes as small as 0.030" to well over 2.0" can be marked into any conductive metallic material including aluminum, brass, carbide, nickel plate, stainless steel, titanium, and even heat treated metals. The Electro-Chemical Marking process produces attractive, consistent, and permanent marks that will enhance your product—not harm it.



MARKING METHODS, INC.
Industrial Marking Specialists

A Marking System For Every Need.

Mark 300A Kit



Includes all the materials you will need to begin Electro-Chemical Marking of your parts. Everything comes in a carrying case/

work station and includes:

- Mark 300 Dual Purpose Power Unit
- 3-Wire Color coded Cord Set
- Stencil Cleaner Tray Assembly
- Bench Fixture Assembly and Hand Ground
- Standard Hand Pad and Screencloths
- Deep-etch Hand Pad and Wicks
- Die-Impression Stencil
- Electrolytes (2 quarts and 3- 4 oz. bottles)
- APC Cleaner (2 quarts and 1 - 4 oz. bottle)

The Mark 300A kit is in stock and ready for immediate delivery!

Model Mark 300



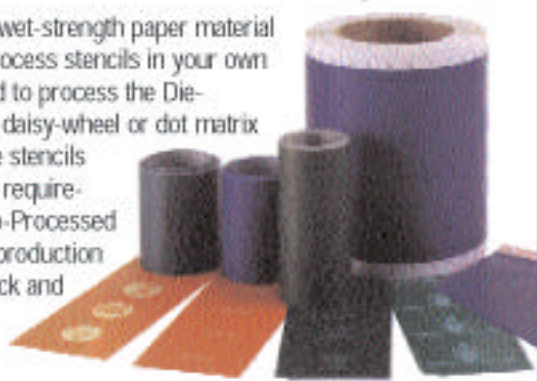
This versatile dual-purpose power unit permits fast normal and deep etch applications. Featuring separate normal and deep etch circuits, five-

position power selector, stencil protection circuit (extends stencil life), solid state circuitry, built-in ampere meter, and an active stencil cleaner tray circuit. Its heavy duty 30 amp/36 volt controlled maximum output and rugged construction with 5 ampere push button circuit breaker insures years of trouble-free operation. The unit is Los Angeles City certified and comes with an unconditional one (1) year material and workmanship

Quality Stencils

One of the keys to success for quality Electro-Chemical Marking is the stencil material. Marking Methods offers you two kinds of stencils:

- **PHOTO-PROCESSED STENCILS** are superior quality nylon fabric material designed to provide you with the best image quality. They allow reproduction of any design, produce up to several thousand marks per sheet, and conform to a wide range of shapes including flat, concave and cylindrical. Our uniquely qualified production staff expertly manufactures your stencils from your sketches, blueprints, artwork, or computer files. Typical orders received before noon (PST) for Photo-Processed Stencils are shipped the following day.
- **THE DIE-IMPRESSION STENCIL** is a wet-strength paper material designed to offer you the flexibility to process stencils in your own facility. You may use any impact method to process the Die-Impression Stencil such as typewriters, daisy-wheel or dot matrix computer printers, and steel dies. These stencils are suitable for short-run and prototype requirements and should not replace the Photo-Processed Stencils for high quality images during production runs. Die-Impression Stencils are in stock and ready for immediate delivery.



9000Hp High Production Marker



Designed to offer you increased marking speed with consistent mark quality while reducing operator intervention, the 9000Hp is a pneumatically operated marking station capable of marking

up to 1800 parts per hour. You can cycle the marking head via a foot switch (semi-automatic) or by selecting an adjustable idle time (automatic).

The 9000Hp permits the operator to adjust the current pulse rate which allows marking of a wide range of metals, alloys and platings with superior images. Omni-directional operation permits marking on various planes from 0° to 360°. Increased throughput can be

achieved with optional available fixtures and automated handling systems. Custom markers can be engineered to meet your most demanding applications.

Supplies and Accessories

Marking Methods manufactures and puts into stock all of the necessary materials for Electro-Chemical Marking so they are ready for immediate delivery. Typical orders placed before noon (PST) for supplies and accessories ship the same day. Whether you need Electrolytes, Cleaners, Hand Pads, Wicks, Screencloths or Die-Impression Stencils, you can count on Marking Methods to expedite your order.

Job Shop Marking Services

Marking Methods also operates one of the world's most qualified marking job shops. Our team of dedicated professionals offers you the following marking services: Electro-Chemical Marking, Laser Engraving, Controlled Dot Peen Identification, Hot Stamping, and Pad Printing. Our services and equipment meet and exceed strict aerospace, medical and industrial specifications.

Customer Service

Customer service representatives and sales engineers are always available to assist you with your marking applications and can provide you with immediate pricing. Marking Methods offers complimentary application evaluation services and free sample processing. Call on the specialists at



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