



Electrolytic Etch Product Guide

What is electrolytic etch marking?

The electrolytic marking system is based on a chemical etching process where the image on a stencil is transferred to an electrically conductive product by the action of electrolyte and electricity. The chemical etch marking process has the advantage of being easy to use and inexpensive, while still giving a high-quality mark.

TYKMA Electrolytic Etch Systems utilize the highest industry standard in electronic controls for metal marking.

We can create custom stencils for you allowing you to mark any type of fonts, logos, graphics or shapes.

Chemical etching metal is widely used for cutlery, tools, medical instruments, sanitary hardware, ball bearings, and many other products.

Listed in this Product Guide:

- TYKMA S100 and S200 Etch System
- Accessories
- Stencil Options
- Electrolyte Reference Chart

Benefits of Electrolytic Etch Marking:

- Affordable, easy to use
- Create smooth black or white surface marks
- Mark a wide range of



Powerful. Simple. Affordable.

TYKMA Technologies • P.O. Box 917 • 931 East Water Street • Chillicothe, Ohio 45601

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S100 and S200 Electrolytic Etch Controllers

Powerful and Permanent Electro-Chem Etch Marking

The electrolytic marking process uses a stencil, electrolyte and current to create a high quality mark on any conductive material. The chemical etching process has the advantage of being inexpensive and easy to use, while still giving a high quality mark.

The S100 and S200 are powerful electrolytic etch systems. These systems feature variable output with an adjustable timer depending on material and mark requirement. Choice of AC or DC current with the S200 enables the ability to create light or dark markings.

Also featured is an illuminated front panel digital display and an audible beep to signal that the marking cycle is complete.

These systems are ideal for high volume production and high quality markings.

Features of the S100 or S200:

- Affordable, easy to use
- Variable Output with Integrated Timer
- Illuminated Digital Display
- Marking Complete Audible

Technical Data	
Input Voltage	115 VAC
Output Voltage	Variable 0-24V
Integrated Timer	Variable
Dimensions	10.4" x 10.8" x 3.7"
Warranty	1 year





Required Accessories



Stencil Options

P-Touch Printer/Stencil Cartridge

- Ideal for Low Volume Runs
- Create Stencils On-Demand
- 1-4 Marks per Stencil

Electrolyte Reference Chart

Electrolyte	Material	Requires Neutralization?
AE 35	Chrome / Nickel Plated	YES
AE 36	Steel / Stainless Steel	NO
AE 37	Titanium	YES
AE 38	Aluminum (White Marking)	YES

*AE 36 Electrolyte is considered "Green" and Environmentally Safe

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