

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 S2E Etch System
- Tykma 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 materials



S2E Electrolytic Etch Controller

► Economical 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 S2E is ideal for an entry level investment into electrolytic etching.

The system features a fixed 12VAC output with an adjustable timer depending on material and mark requirement. An audible beep signals marking cycle complete.

This system is ideal for small batches and low volume marking.

Features of the S2E:

- Affordable, easy to use
- 12 VAC Output with Integrated Timer
- Status LED Panel
- Marking Complete Audible Beep

Technical Data	
Input Voltage	115 VAC
Output Voltage	12V AC
Integrated Timer	.5-5 sec or Constant
Dimensions	9" x 7" x 5" mm
Warranty	1 year



S200 Electrolytic Etch Controller

► 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 S200 is a powerful electrolytic etch system. The system features 12VAC output with an adjustable timer depending on material and mark requirement. Choice of AC/DC power 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.

This system is ideal for high volume production and high quality markings.

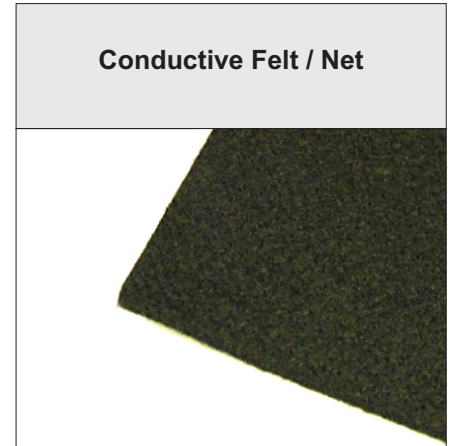
Features of the S200:

- Affordable, easy to use
- 12/18/24 VAC Output with Integrated Timer
- Illuminated Digital Display
- Marking Complete Audible Beep

Technical Data	
Input Voltage	115 VAC
Output Voltage	12VAC or DC
Integrated Timer	.5 sec or Constant
Dimensions	10.4" x 10.8" x 3.7"
Warranty	1 year



► **Required Accessories**



► **Stencil Options**

- Green Stencils**
- Ideal for High Production Volume
 - High Quality Marks / Resolution
 - 1000-3000 Marks per Stencil



- P-Touch Printer/Stencil Cartridge**
- Ideal for Low Volume Runs
 - Create Stencils On-Demand
 - 1-4 Marks per Stencil
 - 18mm or 24mm x 9m Size



► **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