

High quality etching is a simple, effective and LOW COST method of permanently marking your instruments with your own ID codes

do not use:
COLOUR TAPE
 Harbours micro-organisms - even with regular replacing
 Fibres may detach during surgery
ENGRAVING
 Harbours micro-organisms
 Compromises instrument strength

Etching works by passing a controlled low-voltage electric current through a pre-printed stencil.

The current is transferred through the gaps in the stencil using a harmless electrolyte fluid and etches away a thin layer of the surface material leaving a dark contrasting finish.

The mark is usually generated within 2-3 seconds - depending on the material and the size or composition of the mark.

USE APPROVED ETCHING AS PER AS/NZ 4187

**SIMPLE TO USE
 NO OUTSOURCING
 FAST & CONVENIENT
 VERY LOW RUNNING COST**

- ✓ Low cost
- ✓ Easy to use
- ✓ Compact design
- ✓ No hazardous chemicals
- ✓ Fast setting-up times
- ✓ High Quality marking
- ✓ Indelible print
- ✓ No deformation
- ✓ No pitting or stress points
- ✓ Fast and efficient operation.
- ✓ Deal with the World Leaders



- WHY IN-HOUSE MARKING IS ESSENTIAL**
- ✦ Improve infection control
 - ✦ Identify different department's instruments
 - ✦ Asset tracing (yes - serial numbering IS available)
 - ✦ Instrument Warranty tracking
 - ✦ Identify Hospital's instruments during repair
 - ✦ Avoid confusion of casual staff (esp specialty trays)
 - ✦ Reduce the chance of litigation by patients
 - ✦ Avoid mix-up with Doctor's own instruments
 - ✦ Avoid expensive outsourcing.
 - ✦ MiniEtch hospital pack now used by many hospitals

STEP 1: Etcher setup

	<p>1. Plug in marking unit and leads</p> <p>Connect the power plug to a power socket(1). Plug the red and blue wires into the sockets at the back of the unit (2). Once the unit is set-up, you can leave everything plugged in. The MiniEtch requires NO MAINTENANCE!</p>
<p>2. Attach red/blue leads</p> <p>Clip the blue lead alligator clip to a metal plate (1) or directly onto the instrument(2). Clip the red lead to the marking head (3). The marking head holds a felt pad and a thin mesh which improves the print quality (sect 3)</p>	
<p>Felt/net pieces last 1000-1500 etchings! This means infrequent changing on the marking head and LOW RUNNING COSTS!</p>	<p>3. Prepare the marking head</p> <ol style="list-style-type: none"> 1. Cut a small piece of Black Felt to the same dimensions as your marking head. 2. Cut a piece of Conductive Net to overlap the marking head on all sides by about 15mm. 3. Clip the cassette on the marking head so that it holds the Net and Felt in place.
<p>4. Moisten the marking head pad</p> <p>Wet the marking head with an applicator or dip it in some electrolyte from a container and "squeegee" against the sides. Briefly re-moisten the head every 5-10 prints. Electrolyte is NOT A VOLATILE CHEMICAL and is SAFE to handle.</p>	

METAL Instrument marking



Trend Marking Systems
 PO Box 1311 Castle Hill NSW 2154
 TEL: 02 96299535 FAX 02 96297535
 EMAIL: trend@trendmarking.com.au
www.trendmarking.com.au

ETCHING

STEP 2: Select your stencil

Depending on the information you need to mark onto the instrument, there are a number of different stencils available. A stencil contains the message you wish to transfer onto the part.



Your options include:

1. Disposable Fibre Paper stencil sheets
2. PT hand-held fibre paper ribbon printer
3. Permanent (long-life) Stencil Strips
4. Serial numbering (or date marking) stencil

A combination of options may offer the best solution to your requirements.

STEP 3: Etching a part

Simply place the instrument on the base plate (or touch the clip to it), position your printed stencil and press the marking head down on the imprint in the stencil. The mark is completed in 2-3 seconds.



for this illustration we have used a single permanent stencil in a plastic frame

Hospital stencil options

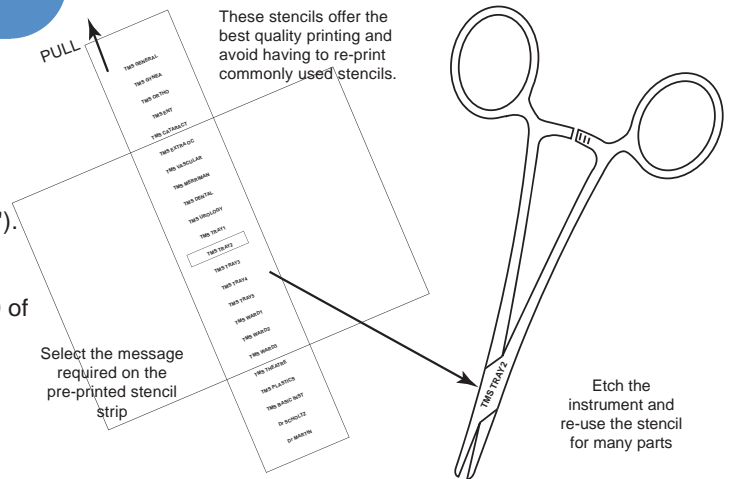
1 Permanent Stencil Strips

Permanent stencils are PRE-PRINTED by us with a special material - using the list of messages you specify. Simply e-mail, fax or post us your list and we will manufacture these stencils.

The permanent stencils are used for messages which repeat fairly often (such as marking "THEATRES" or "ORTHOPAEDIC"). Each message can mark up to 3000 parts!

Permanent stencils are usually produced in strips containing 30 of your messages (25 characters each). As a standard we use a font size of 1.5mm high (6 pt). However, should you wish more messages or different sizes, this is easily done by us, simply specify what you require.

THIS IS A VERY POPULAR HOSPITAL OPTION

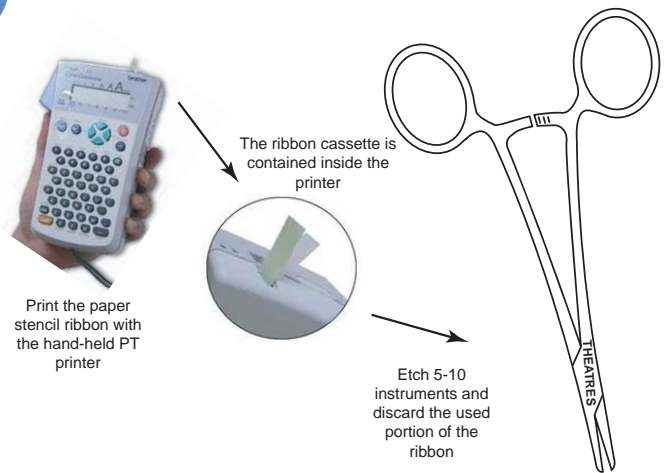


2 PT handheld fibre stencil ribbon printer

This is a hand-held printer which prints the message on an 18mm x 3metre ribbon (contained inside the printer).

Simply type the message and press "print", then tear off the ribbon with the print. The print will mark 5-10 parts.

As an additional bonus, this unit can also print adhesive labels for labelling shelves and folders etc, (although we recommend you never use adhesive labels on surgical instruments)

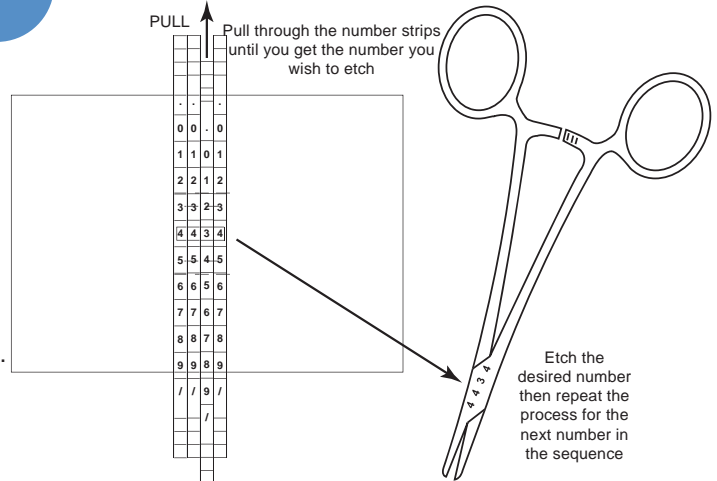


3 Serial numbering (date marking) stencil

The numbering stencil works by mounting special numbered stencil strips into a plastic cover.

The desired message is obtained by pulling the individual strips until the number appears in the small window cutouts (like the dating stamps in a library)

This number can then be etched onto the instrument, and to advance to the next number, simply pull the strip to the next digit.



4 Disposable Fibre Paper stencil sheets

Fibre Paper stencils can be printed in-house (by you) by the following methods:

1. Manual impact typewriter
2. Computer dot-matrix printer
3. Metal Stamp
4. Hand-written with empty ballpoint or other pointed object

The stencil is used to etch the instrument(s). Usually one printed message will etch 10-15 instruments. After use, the portion of the sheet that was used can be discarded.

SPECIAL OFFER..... *free of charge with your order if requested.*

When using a dot-matrix printer, Trend can supply a dos-based program to improve the quality of the imprint and add useful functions such as multiple prints and serial numbers. .

