



## Types of Markers and Pads



### Markers

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Marking heads – hand markers or machine markers have some elements in common.

- The material must be conductive.
- The material must not participate in the etch process
- ie: The stable material must not act as a cathode.
- Consideration must be given for electrolyte feed whether manual or automated.

#### Applications Include:

- Component Identification • Component Traceability • Serial Numbering • Logo Marking
- Security Marking • Health & Safety Appliance Marking • Certification Marking
- Decorative Trophy & Award Marking • Time & Date Marking • Part Numbering
- Batch & Shift Coding • Calibration Systems • Label & Tag Marking



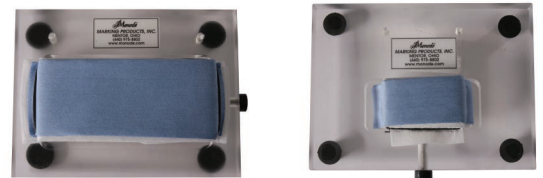
### Hand Markers

- Must be used with the H-100
- Available in a wide range of standard sizes
- Can also be machined at custom angles or contours
- Ideally, marker should be larger than the image to be marked but smaller than the stencil



### Bench Fixtures

- Can be used with any power unit
- Works with hand marking
- Can also be used with semi-automatic units
- Roll marking and part locating options



### Rocker Markers

- Some larger stencil layouts are best etched using a rocking motion with etching head
- Allows the gas and water vapor by-products of the etching process to escape, producing marks with a uniform contrast
- Often used in grid marking applications.



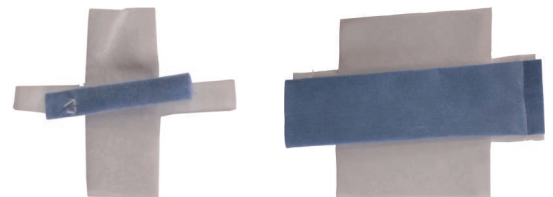
### SC Hand Markers

- Legacy-style marking heads feature screen-style pads
- Easy to control and create quality marks



### Monopads - M

- Fabricated cloth pads act as a medium to hold and supply a working source of electrolyte for the etch process
- This pad is typically wrapped around the marker or inserted into a stencil cap
- Designated with a "M" in front of the part number



### Deep Etch Monopads - DE

- Unlike a standard etch pad, DE pads consist of a fibrous material
- The fibers of this material, with slight pressure, will push through the fibers of the stencil, allowing current to flow freely and easily so that the metal is removed at a rapid rate
- It is necessary for the deep etch pad to be saturated with electrolyte at all times
- The presence of the deep etch pad and the excess electrolyte keeps the stencil cool and increases its life
- Designated with a "DE" in front of the part number





**Marker Size Chart**

**Types of Markers**

	Hand Markers (HM)	Solid Hand Markers (SH)	Cartridge Markers (CM)	Rocker Markers (RP)
1/4" X 3/4" (2575)	●	●		
1/4" X 1-3/4" (25125)	●	●		
1/4" X 1-1/2" (25150)	●	●		
1/2" X 1-1/2" (50150)	●	●	●	
1/2" X 2" (50200)	●	●		
5/8" X 1-1/2" (62150)	●	●		
3/4" X 1-3/4" (75175)	●	●	●	
1" X 2" (1020)	●	●	●	
1-1/2" X 2-1/2" (1525)	●	●		
2" X 2" (2020)				●
2" X 4" (2040)				●

Standard Stock Sizes Available\*\*

To order use the initials of the type of marker (HM, SH, etc.), followed by the coordinating number for the size of the marker (50150, 1020 etc.). For example an 1/2" x 1-1/2" hand marker would be HM50150.

To order use the initials of the type of pad (M or DE), followed by the coordinating number for the size of the marker (50150, 1020 etc.). For example an 1/2" x 1-1/2" Monopad would be M50150.

\*H 100 sold separately

\*\*Non-standard and contour markers available for quote.



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