M-Series Marking Machines

The complete I-Mark bench-top dot-peen marking system is offered in two versions:
1) Standard for marking flats,
2) With a third axis for marking the OD of round parts.

M-Series dot-peen systems mark a wide variety of metal and plastic parts with a selection of fonts for alpha/numeric, serial numbers, date codes, logos, and 2D codes. This machine features the easy to use I-Mark software (details page 22).

Options include: a selection of marking windows and an operator touch screen upgrade. These systems are good solutions for moderate production (250-750 parts per shift) marking requirements.

Complete marking system:
- Pneumatic Dot-Peen Marking Head in three window sizes
- Bench-top stand with Standard aluminum T-slot table 12” x 14” (305 x 380mm) includes heavy duty column with manual vertical adjustment for parts up to 10 ⅜” (275mm) tall.
- Model 100 I-Mark Controller (details page 9)
- Keyboard and monitor with optional touch-screen upgrade
- Shut-off/Filter/Regulator
  - All cables required to set-up marking station

Optional 3rd Axis Rotator: To mark the OD of round parts. Chuck load up to 15 lbs (6.8 kg), jaw size of 3.14” (80mm) and maximum OD up to 6” (150mm). A longer table is used to accommodate the rotator.

Options: Machine base, part locating fixture, push button start, custom software (page 28).
**Bench Top M-Series How to Order**

**Utilities:**
- Electrical components require 110 VAC power, 6 ft (1.8m) electrical cord supplied
- Air powered pin - 1/4 NPT fitting requires connection to air supply
- Pressure/depth control through supplied regulator (30-75 PSI operating range)

**To Order:** Select only the symbols that represent the marker feature that is needed. Place that symbol in the sequence as shown.

<table>
<thead>
<tr>
<th>Model/Feature</th>
<th>Symbol</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Bench Top</td>
<td>IM</td>
<td>IM-M75-T</td>
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<table>
<thead>
<tr>
<th>Marking Windows</th>
<th></th>
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<tbody>
<tr>
<td>3&quot; x 3&quot; (75 x 75mm)</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>5&quot; x 5&quot; (125 x 125mm)</td>
<td>125</td>
<td></td>
</tr>
<tr>
<td>8&quot; x 8&quot; (200 x 200mm)</td>
<td>200</td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>Standard Pin</th>
<th>Fixed Dot</th>
<th>Touch Screen Upgrade</th>
<th>With Rotator</th>
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<tbody>
<tr>
<td>-</td>
<td>F</td>
<td>T</td>
<td>R</td>
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**Features:**
- Marking Window Selections
  - 3" x 3" (75 x 75mm)
  - 5" x 5" (125 x 125mm)
  - 8" x 8" (200 x 200mm)
- Marking Pin Options
  - Standard pin - Marking speed of 3-4 (1/8", 3mm) characters per second
  - Fixed dot placement for UID code – Marking speed of 1-2 (1/8", 3mm) characters per second
- Monitor and Keyboard with integrated mouse
- 5 ft (1.5m) cable to connect marking head to controller
- Marks materials (up to 45 RC)
- Rotator parameters: Chuck load up to 15 lbs, and max OD up to 6" (150mm)

**Illustration of IM-M series**

- Color Monitor: 17" (430mm)
- Or Touch Screen upgrade
- Maximum Height: 10 ¾" (275mm)
- Maximum Inset: 8" (200mm)
- Table Size: 12" x 14" (300 x 360mm)
- Marking window: 3 sizes = Small, Medium, and Large

Complete detailed drawings available for download at www.marking-machines.net