

# MarkMate

Marking Window  
100mm x 75mm

Component heights up to  
200mm

Entry level bench-top dot marking machine, ideal for simple one-off and batch marking on most metals.

The MarkMate is well established as the entry level marking equipment for many aerospace and automotive applications for the precise application of human readable text, 2D codes, and logos onto components of all shapes and sizes.

The standard "LCD" version comes with an embedded controller whereas the "USB" version gives the option to connect the MarkMate to a PC and use Pryor's marking and traceability software.



## STANDARD FEATURES (MCYMM1075E)

- 4000 series controller
- 100mm x 75mm marking window
- Manual Z-axis adjustment
- Large capacity memory for layout storage
- 5 x 7, 7 x 9, Varidot fonts with LCD
- True type fonts, DXF, HPGL fonts with USB (in addition to LCD fonts)
- Variable Marking Speed
- "Plug & Play"
- Multilingual user interface

## APPLICATIONS

- Batch marking of components
- Serial number plates
- Product IDs
- Logos, company names
- CE & specification marking
- Human readable text
- Data matrix codes (2D codes)
- Component identification and traceability

## OPTIONAL VERSIONS

## Benefits / Requirements

## Option code

PC based software control,  
USB controller

Drag and drop editor, Windows based software. Note that LCD embedded controller is not supplied with this option. Control is only via PC.

OPTMM1075U

Pneumatic vibro peen

Use of compressed air supply for higher speed, lower quality mark. Stylus continuously vibrates, so continuous line marking only. No force control.

OPTMM1075V

Alternate nosepiece/stylus

Wider / shallower tip angle, longer reach versions available

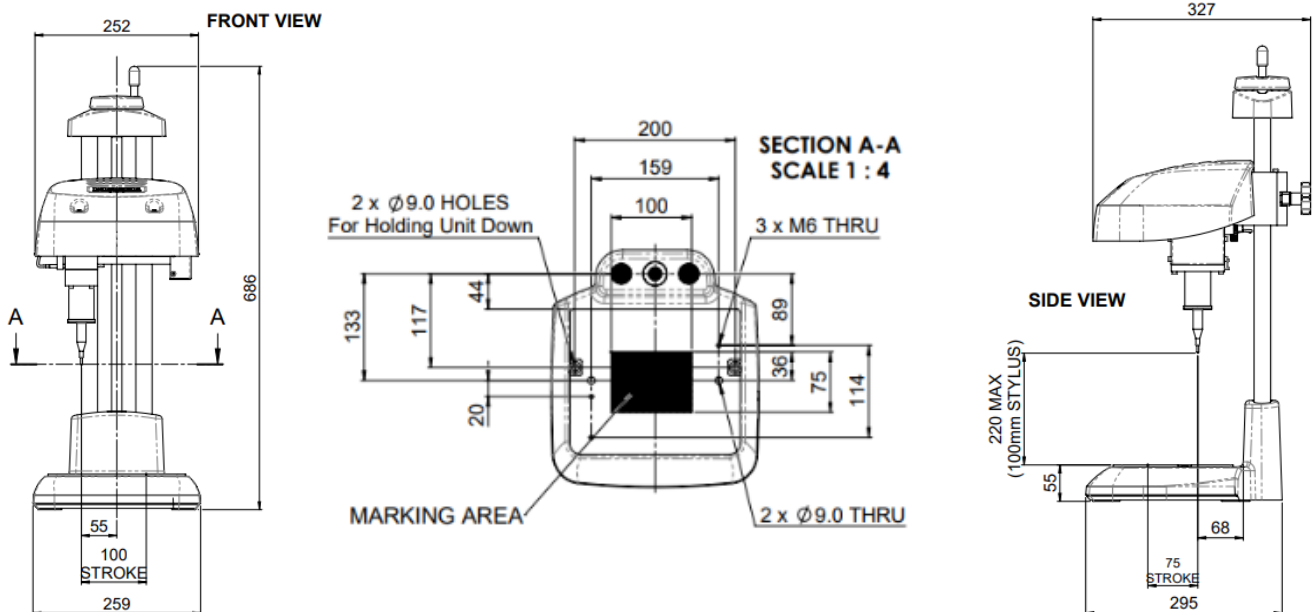
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Column extension

410mm max component height instead of standard 200mm

OPTMM1075CE

| TECHNICAL DATA                 |   | ● Standard<br>○ Optional   | Product /<br>Option Code  |  |
|--------------------------------|---|--|---------------------------|--|
| Marking area                   | 100mm x 75mm; 200mm max component height<br>100mm x 75mm; 410mm max component height                    | ●<br>○   | MCYMM1075E<br>OPTMM1075CE |  |
| Weight                         | MarkMate = 13kg; with 4000 controller = 18kg<br>MarkMate = 13kg; with USB controller = 15.5kg           | ●<br>○   | MCYMM1075E<br>OPTMM1075U  |  |
| Dimensions                     | W: 259mm, H: 686mm, D: 327mm  | ●  | -                         |  |
| Nosepiece and stylus           | Electric solenoid – 100mm long, 4mm diameter, 90° stylus tip, carbide<br>Various alternatives available | ●<br>○   | -                         |  |
| Controller/supply requirements | <b>Controller</b><br>4000<br>USB-PC<br>Additional air for Pneumatic<br>Additional air for Vibro peen    | <b>Supply requirements</b><br>230V 50Hz / 110V 60Hz<br>230V 50Hz / 110V 60Hz<br>6 bar (87psi) non-lubricated, dry<br>6 bar (87psi) non-lubricated, dry | ●<br>○<br>○<br>○          | MCYMM1075E<br>OPTMM1075U<br>OPTMM1075P<br>OPTMM1075V |
| Construction                   | Aluminium base and column, metal internals, plastic cover   | ●  | -                         |  |
| Operating temperature          | 0°C - 80°C (32°F - 176°F)   | ●  | -                         |  |
| Workpiece hardness             | Max. 62 HRC (800HV)   | ●  | -                         |  |
| Marking type                   | 5x7, 7x9, Varidot, HPGL, BMP Logos, True Type Fonts, Data Matrix  | ●  | -                         |  |
| Character sizes                | 0.18mm – 99.9mm in 0.18mm increments  | ●  | -                         |  |



| COMPATIBLE ACCESSORIES          | Description   | Product Code |
|---------------------------------|---|--------------|
| T-slotted base                  | For attaching fixtures to the base; extruded aluminium 45mm pitch         | ACCMM1075TB  |
| Single label fixture            | For right angled labels/parts 35-100mm x 20-75mm x 0.5-2.0mm              | ACCBDFX01    |
| Magnetic clamp                  | For flat parts. Area 184mm x 100mm. Holding force 80N/cm <sup>2</sup>     | ACCBDMC01    |
| Magnetic V shaped clamp         | Cylindrical parts diameters 5-70mm, includes machine base adaptor         | ACCBDMV01    |
| Circumferential axis - standard | Marking round circumference, part diameter up to 76mm, with homing sensor | ACCBDFC01    |
| Electric label feed             | For flat, burr free labels 25-110mm x 25-75mm x 0.8-3.0mm thick           | ACCBDLF01    |
| Barcode Reader                  | RS232 barcode scanner to select programme or input marking data           | VISBRRS01    |
| Foot Switch                     | Starts the marking cycle. Requires I/O card in the controller. LCD only   |              |
| USB keyboard                    |   |              |