



## Jet-A-Mark®

8000+ SERIES PRINTHEADS | Drop-on-Demand® Ink-Jet

Our new 8000+ Series Printhead is the most reliable drop-on-demand technologies in the industry, due to its unique design and impressive quality. The exclusive micro-valve technology provides for tremendous reliability, easy maintenance, and dramatically lower ink consumption, while maintaining impressive print quality and speed.

The 8000+ heads offer a choice of 7, 16, and 32 valves per head with three nozzle options: mini, midi, and maxi, to meet any large character marking requirements. Printheads can be stacked for printing large graphics. Flexible mounting over, under, or beside the production line allows for seamless integration. Precision jewels set in the 8000+ stainless steel faceplate provide dramatically lower ink consumption, for a lower cost per mark.



- 6 billion cycles before tuning, outlasting the competition
- Handles non-porous ink without typical clogging issues
- Performs well with inks formulated with aggressive fast-dry solvents
- Fast start-up without purging, and easy color change over
- Wide assortment of inks to match a variety of applications

## Matthews Marking

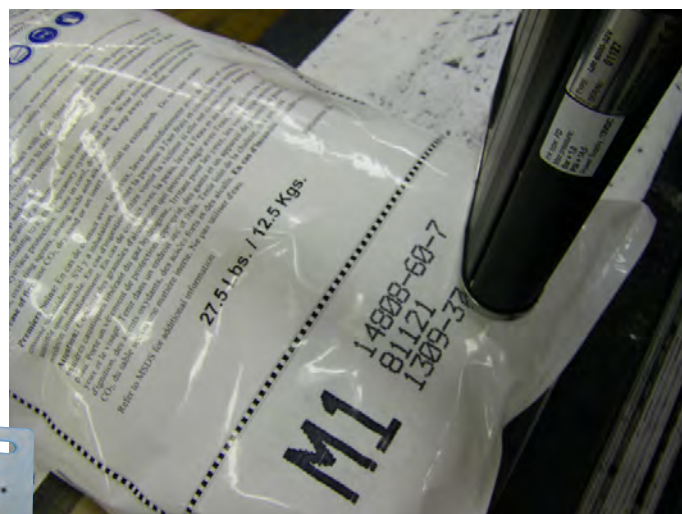
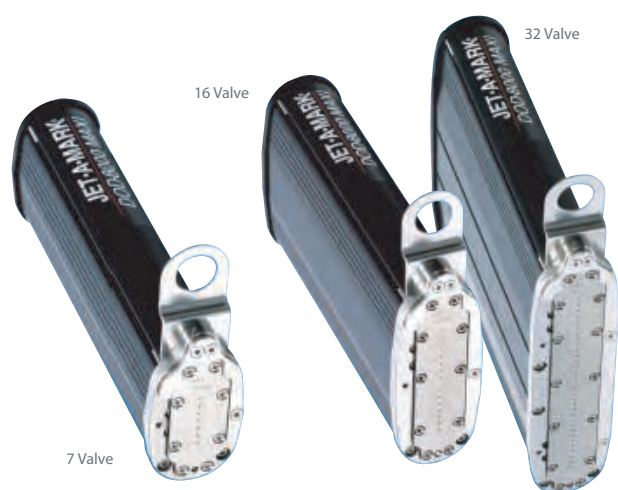
Systems

**& GEORGE R. DOUGLAS**  
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# Drop-On-Demand



Washdown (IP65 rated), 7 Valve

## 8000+ Series Printheads

|  | Printhead Type  | Min. Char. Size | Max. Char. Size   | Max. Speed <sup>(1)</sup>        | Max. Print Distance <sup>(3)</sup> | 3-Way Valve <sup>(5)</sup> | Dimensions                                     |
|--|---|-----------------|-------------------|----------------------------------|------------------------------------|----------------------------|--|
| 8000+ Maxi   | 7-Valve   | 1/4" (6.35 mm)  | 1 1/4" (31.75 mm) | 780 fpm <sup>(1)</sup> /3.96 mps | 1/2" (12.7mm)                      |                            | 7.52"L x 1.68"W x 4.84"H (191 x 42.7 x 123 mm) |
|  | 16-Valve  | 1/4" (6.35 mm)  | 2 1/2" (63.5 mm)  | 780 fpm <sup>(1)</sup> /3.96 mps | 1/2" (12.7mm)                      | Yes                        | 7.48"L x 1.73"W x 6.26"H (190 x 44 x 159 mm)   |
|  | 32-Valve  | 1/4" (6.35 mm)  | 5" (127 mm)       | 780 fpm <sup>(1)</sup> /3.96 mps | 1/2" (12.7mm)                      | Yes                        | 7.48"L x 1.73"W x 8.80"H (190 x 44 x 223.4 mm) |
| 8000+ Midi   | 7-Valve   | 3/16" (4.76 mm) | 1 1/4" (31.75 mm) | 400 fpm <sup>(2)</sup> /2.03 mps | 1/2" (12.7mm)                      |                            | 7.52"L x 1.68"W x 4.84"H (191 x 42.7 x 123 mm) |
|  | 16-Valve  | 3/16" (4.76 mm) | 2 1/2" (63.5 mm)  | 400 fpm <sup>(2)</sup> /2.03 mps | 1/2" (12.7mm)                      | Yes                        | 7.48"L x 1.73"W x 6.26"H (190 x 44 x 159 mm)   |
|  | 32-Valve  | 3/16" (4.76 mm) | 5" (127 mm)       | 400 fpm <sup>(2)</sup> /2.03 mps | 1/2" (12.7mm)                      | Yes                        | 7.48"L x 1.73"W x 8.80"H (190 x 44 x 223.4 mm) |
| 8000+ Mini<br>IP65 7-VALVE<br>PRINTHEAD (4)<br>AVAILABLE FOR<br>WASHDOWN<br>APPLICATIONS | 7-Valve   | 3/32" (2.38 mm) | 1 1/4" (31.75 mm) | 400 fpm <sup>(2)</sup> /2.03 mps | 1/4" (6.357mm)                     |                            | 7.52"L x 1.68"W x 4.84"H (191 x 42.7 x 123 mm) |
|  | 16-Valve  | 3/32" (2.38 mm) | 2 1/2" (63.5 mm)  | 400 fpm <sup>(2)</sup> /2.03 mps | 1/4" (6.357mm)                     | Yes                        | 7.48"L x 1.73"W x 6.26"H (190 x 44 x 159 mm)   |
|  | 32-Valve  | 3/32" (2.38 mm) | 5" (127 mm)       | 400 fpm <sup>(2)</sup> /2.03 mps | 1/4" (6.357mm)                     | Yes                        | 7.48"L x 1.73"W x 8.80"H (190 x 44 x 223.4 mm) |
| Controllers  | 8400e, R44e, SX32e, V84e, V84i  |                 |                   |                                  |                                    |                            |  |
| Inks   | Water Based, Water Fast, Alcohol (n-propylene, isopropylene, ethanol), Ethyl Acetate, MEK, Acetone, Pigmented |                 |                   |                                  |                                    |                            |  |

(1) At 1.8 mm spacing (2) At 1.0 mm spacing (3) At <200 fpm (4) IP65 3.4" Dia. x 5.2" L (87.5 x 132.0 mm)

(5) Unique 3-way valve enables you to quickly purge solvent, minimizing maintenance and downtime



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