



M3 (D1, D2, D1+2)

This microplate processor provides automated integration of up to 3 process functions in series. Different functions can be selected according to requirements. Three typical system configurations:

- **M3-D1:** with “Day 1” functions including precision filling, bubble detection, and ultrasonic fill verification
- **M3-D2:** with “Day 2” functions (3 manifold stations) including filling (washing or blocking) and aspiration
- **M3-D1+2:** with both “Day 1” and “Day 2” functions (2 manifold stations plus 1 precision fill station)

Manifold stations are interchangeable and can be swapped out and sequenced as needed for different process passes. There are manifolds for filling, aspirating, and combined filling and aspirating at one station (for multiple wash steps). Different nozzle sizes and arrays are available to accommodate different well geometries (flat, “C”, “U”, star, low volume, etc.) Manifolds are available for 96 well and 384 well plates (and can be made to order for different well arrays).

The robust system design provides the precision and reliability needed to efficiently produce a quality product. System speeds can range between 400 and 1200 plates per hour depending on configuration. Stacks for feeding and restacking have capacity for 30 plates. (Many more functions are available on our larger systems.)

Oyster Bay Pump Works specializes in the design and manufacture of integrated automation systems. Since 1979, we have been designing solutions and supplying cost-effective and reliable equipment to the diagnostics industry. Ask us about applying this experience to your needs.