



MWES Standard Vial Filling System

MWES provides cost-effective and efficient commercial and clinical standard vial filling automation machine for medical, pharmaceutical, biotechnology and chemical applications. Our standard machine is built with clean room grade materials including bowl feeders that allow for bulk handling of sanitized containers and closures without requiring structured consumable delivery or technician prep. The high-capacity feeders allow for filling automation to operate unattended for far longer amounts of time.

Robust programming and the flexibility to modify the machine's operation easily by non-specialized lab workers further increase the machine's performance without requiring highly skilled technicians to troubleshoot and change the system for different processes. Increasing product preparation and sample analysis throughput by reducing human intervention is key to our standard machine's performance.

STANDARD FEATURES

- Processes up to 17 parts per minute (1,028 parts per hour)
- Exposure time of 5 seconds between vial opening and securing the cap
- Configurable for vials, syringes, T-flasks, bottles or cell-culture dishes
- Handles press-fit, screw cap and crimp close containers
- Safe ISO-5 clean room rated 304 non-passivated stainless steel enclosure
- FANUC LR Mate 200iD/7LC 6-axis Robot with IP67 protection and force sensing gripper
- R-30iB Mate Plus Controller and teach pendant with E-stop
- Touch-screen color HMI with E-stop push button

MIDWEST ENGINEERED SYSTEMS INC.

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ADDITIONAL OPTIONS

- Print serialized samples and batch information directly onto the container as well as to apply information labeling and tamper-resistant materials. This machine-readable labeling allows samples to be easily transferred into other lab processes without human data logging.
- Alternative automated closure methods to seal the containers, all of which can happen within the controlled confines of the filling area to reduce exposure to possible contaminants. These closures can also be automatically analyzed for proper containment and seal before leaving the automation cell.
- Additional quality control operations can be integrated into the machine to ensure each vial meets industry standards. We offer high-precision aseptic filling systems and in-process control packages that determine if the process is within acceptable constraints and can record these values to illustrate trending individually or across batches.

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Fitting in a compact footprint, the MWES standard vial filling machine is comprised of a ISO-5 rated enclosure.



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