



ODEN MACHINERY
www.odenmachinery.com

TECH SPECS

Pro/Fill 1000

FULLY AUTOMATIC LIQUID FILLING SYSTEMS

Improve Your Filling Line Productivity with a PRO/FILL® 1000

- Increase your uptime.
- Fill free flowing to low viscosity and hot products on the same machine.
- Fill wide range of container shapes in volumes from 5 mL to 5 liters on the same machine.
- Fill at speeds up to 300. containers per minute .

Buy an Oden Liquid Filler “Risk Free”

For added value Oden takes the 'risk' out of buying a liquid filler. You will receive written performance guarantees for each product submitted for free product testing.

Guarantees incorporate speed, accuracy and no-drip machine performance.

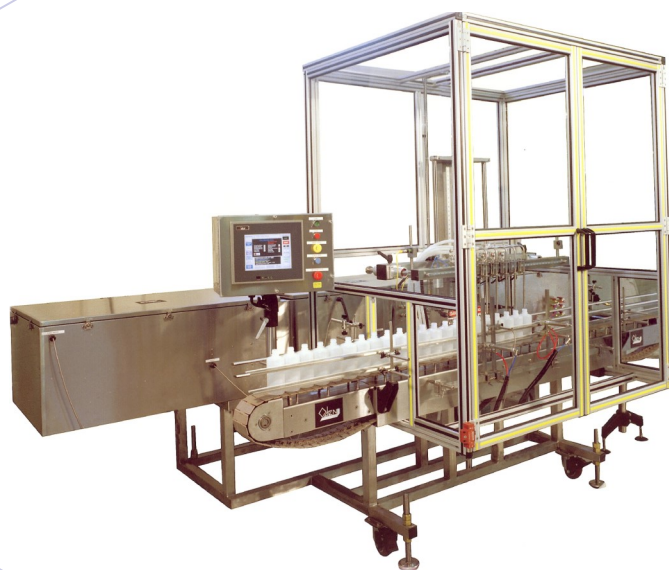
Send us your products and containers and take advantage of this free service.

Call today to make arrangements.

Phone: 800-658-3622

Phone: 716-874-3000

Email: sales@odenmachinery.com



STANDARD FEATURES:

- Operator interface housed in sealed NEMA 4 stainless steel enclosure. Programmable Logic Controllers available in your choice of several major manufacturers including Allen-Bradley.
- Operator interface available in your choice of four line x 20 back lit LCD display, 7.5" color VGA touchscreen or PC based industrial work station with 15" active matrix touch screen display.
- Easy operator interface access to every filler control function including pump speed, volume, and cut-off adjustment (COA) for electronic control of no-drip fill cut-off.
- Indexing system includes permanent reference scales for easy and repeatable set-up.
- Non-volatile memory storage of all machine set-up data, with one-key "recipe" loading.
- Machine base frame is fabricated from sanitary welded 2" x 2" square 304 stainless steel tube. It supports the stainless steel NEMA 4 pump drive/PLC enclosure, the diving nozzle system, conveyor, indexing hardware and system operator interface. The machine base frame is mounted on casters for movement and stainless steel leveling feet for final placement.
- Bottom-up filling system features no-tool set-up, 14" adjustable dive distance and nozzle kickout safety system. Permanently attached reference scales for easy, repeatable set-up.
- Sanitary (solid top, 1-1/2" raised chain bed) stainless steel conveyor 10' long with 4-1/2" Delrin chain and variable speed DC motor drive. Includes four stainless steel guiderails with no-tool adjustment hardware.
- Fluid flow pathway consisting of a stainless steel reservoir with stand, cover and ultrasonic level control system; 316L stainless steel precision positive displacement gear pump and non-invasive pinch valve cut-off system. Each fill position has its own pump and nozzle and is of no-thread autoclavable design.



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FULLY AUTOMATIC LIQUID FILLING SYSTEMS

**Increase your
filling line
productivity –
call us today!**

**We want to work with you
to increase your filling line
productivity.**

Our innovations in liquid filling and blending technologies will help:

- Increase your uptime.
- Reduce labor costs.
- Prepare for future needs.

Oden Machinery

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Tonawanda, NY 14150
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AIR AND ELECTRICAL REQUIREMENTS:

Air Requirements: 80 PSI @ 3 SCFM

Electrical Requirements: 115–120 VAC 50–60 Hz.

OPTIONAL FEATURES:

- Extensive custom automation functions and controls for solutions to unique liquid filling problems.
- High speed, parallel processing, multiple lane configurations.
- Net/Mass® net weight filling capability. By addition of Coriolis mass flow meters, system can be operated in a net weight mode.
- Explosion-proof (hazardous location) construction to Class 1, Division 1, Group D standards using the X-purge method.
- Automatic nitrogen purge to reduce or eliminate entry of oxygen into product during filling.
- Air pulse assisted product cut-off system.
- Vacuum aspiration for no-drip subsurface filling.
- Sanitary and non-sanitary precision, stainless steel gear pumps with flow rates from 0.2 to 3.0 GPM.
- Peristaltic pumps from all major manufacturers with flow rates from 0.2 to 7.0 GPM.
- Stainless steel product reservoirs up to 58 gallon capacity.
- Stainless steel sanitary conveyors in any length and in widths up to 12".
- PLC controlled clean-in-place systems.
- Servo controlled timing screw system for difficult containers such as soft ovals.
- Fully enclosed turnkey hot product filling systems.
- Standard and customized fill area safety enclosures.
- Automatic conveyor chain washing systems.
- Built-in expansion capability.

Oden Machinery maintains a constant program of product improvement which may affect design and/or specifications. We reserve the right to make these changes without prior notice or liability.

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