

Automated Wine Bottling System



We are excited to introduce the VIN-OH! Automated Wine Bottling System (AWBS) to help your winery become more efficient, and more profitable! Are you bottling by hand a few times a month? Is it a hassle to find and train reliable people, when your bottling needs to be done in a timely fashion for optimal quality? The AWBS was developed with the small and medium sized wineries in mind. Even smaller wineries can potentially share a system with other nearby wineries.

The 2nd generation system being offered is a skid mounted system that can travel relatively easily from winery to winery, as well as used by mobile bottlers.

Clients may have existing equipment such as a semi-automatic corker, heat tunnel, and labeler. These machines may possibly be integrated into the system to save cost for the winery.

Automated Wine Bottle Filling

SYSTEM SPECIFICATIONS

Fill 6 to 8, 750ml bottles, at a time
up to 900 - 1000 Bottles per hour
Bottle Sizes Currently acceptable – 3" and 3.25" diameter
Shrink capsule sizes currently acceptable – 31mm

Filling Station

- Large 304 stainless steel tank of approximately 125 Liters, includes high and low level sensors
- Stainless steel manifold with quick connect couplings for easy cleaning.
- 6 or 8 spout gravity filling nozzles. Filling nozzles with auto shutoff, fills every bottle to same height. Easily adjustable fill / fluid level
- Automatic bottle location (optional tooling for alternative bottle sizes)
- Automatic lowering/raising of fill nozzles
- Powered plastic link belt conveyor in stainless steel construction.

Station 1 – Corking Indexer

- Powered indexer wheel – indexes approx. 4 sec. per bottle
- Corking Station – Customer Option
(Integrated pneumatic corker, or we can integrate an available customer semi-auto corker).
- Nitrogen purge.
- Automatic missing-cork detector.

Station 2 – Capsule and Labeler Indexer

- Cap magazine and automatic dispenser
- Automatic capsule shrink station
(optional inclusion of heater or existing customer unit can possibly be incorporated).
- Automatic labeler – options to be chosen based on needs.

Pneumatics and Controls

- 24VDC controls
- PLC control
- Touchscreen controls for alarms, adjustments
can optionally be mounted in separate operator panel.
- Emergency Stop Relay/ power controls.
- SMC pneumatic valves – others optional
- Bimba or similar cylinders

Other Options

- Loading and Unloading Turntables

VIN-OH!

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